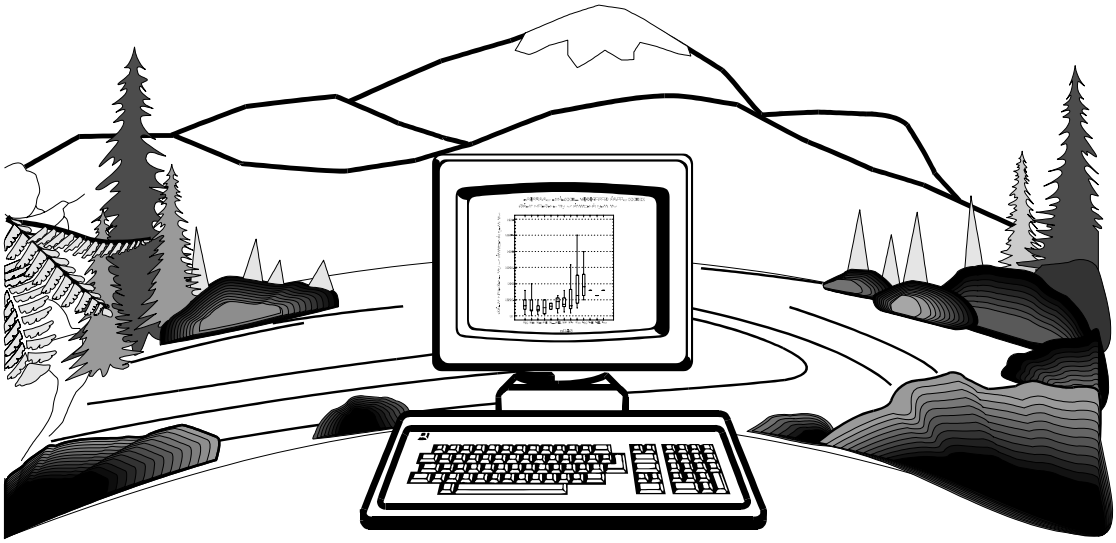
Baseline Water Quality Data

Inventory and Analysis

Valley Forge National Historical Park



Water Resources Division and Servicewide Inventory and Monitoring Program

National Park Service - Department of the Interior
Fort Collins - Denver - Washington

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

VALLEY FORGE
NATIONAL HISTORICAL PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-2001/286

FEBRUARY 2003

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Valley Forge National Historical Park (VAFO) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Water Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's (NPS) Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze surface water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing period of record, annual, and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located 38 industrial/municipal dischargers; five drinking water intakes; 12 active or inactive U.S. Geological Survey (USGS) water gages (including stream, well, and climate); and five water impoundments. The results of the STORET retrieval for the study area yielded 60,356 observations for 875 separate parameters collected by the NPS, USGS, EPA, Pennsylvania Department of Environmental Protection, and the City of Philadelphia Water Department at 461 monitoring stations from 1926 through 1998. Approximately 51 percent of the 60,356 observations within the study area were entered by the NPS from data collected from 1969 through 1998. Of the 461 monitoring stations, 72 stations were located within the park boundary (see Station Period of Record Tabulation). Twenty-one stations within the study area (three within the park boundary) were established but contained no data. One station within the study area was established but contained no data appropriate for statistical analysis.

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Fifty-four stations within the study area (17 within the park boundary) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longest-term records within the park boundary are: (1) Valley Creek at the Wilson Road Bridge (VAFO 0045); (2) Valley Creek at the Wilson Road Bridge near Valley Forge (VAFO 0050); (3) Valley Creek at the State Route 23 Bridge (VAFO 0074); (4) Lamb Run (VAFO 0016); and (5) Valley Creek at the State Route 23 Bridge (VAFO 0073). The stations yielding the longest-term records within the study area, but outside of the park boundary, are: (1) French Creek 0.25 miles upstream from Wilsons Corner (VAFO 0434); (2) French Creek near Phoenixville (VAFO 0433); (3) Skippack Creek 20 yards downstream from the old abutment at the Arcola Road Bridge (VAFO 0031); (4) Stony Run near Spring City (VAFO 0420); and (5) Pickering Creek near Chester Springs (VAFO 0450)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the VAFO water quality criteria screen found 23 groups of

[†]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, chlorine, cadmium, copper, lead, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Nitrate, nitrite, nitrite plus nitrate, chloride, sulfate, fluoride, cadmium, lead, nickel, 1,1-dichloroethylene, 1,1,1-trichloroethane, methylene chloride, tetrachloroethylene, trans-1,2-dichloroethene, and trichloroethylene exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively.

Dissolved oxygen concentrations were measured 2,991 times at 245 monitoring stations from 1968 through 1998. Seventy-three concentrations at 35 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1988 through 1998. Approximately 89 percent of the observations exceeding the criteria were reported at 27 stations in Valley Creek near the Morehall Road Bridge from 1995 through 1998.

The pH was measured 2,559 times at 286 monitoring stations from 1950 through 1998. One-hundred-seventy-two observations at 55 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1950 through 1998. One-hundred-fifty-one observations were less than or equal to pH 6.5 and 21 observations were greater than or equal to pH 9.0. The lowest pH of 3.0 SU was reported within the park boundary in Valley Creek at the Wilson Road Bridge (VAFO 0050) in February and March 1970. The highest pH of 11.5 SU was reported within the park boundary, also in Valley Creek at the Wilson Road Bridge (VAFO 0050), in July 1973.

Turbidity was measured 842 times at 100 monitoring stations from 1969 through 1998. Fifteen observations at 11 stations exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1969 through 1994. The highest concentration of 1,200 JTU was reported within the park boundary in Valley Creek at the Wilson Road Bridge (VAFO 0050) in July 1969.

Total coliform concentrations were measured 212 times at 33 monitoring stations from 1969 through 1995. Of the 211 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 154 concentrations at 31 stations equaled or exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1969 through 1991. The highest concentration of 1,000,000 CFU/100 ml was reported in Pickering Creek near Horseshoe Trail Road (VAFO 0444) in August 1982. Fecal coliform concentrations were measured 924 times at 151 monitoring stations from 1971 through 1998. Of the 923 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 484 observations at 92 stations equaled or exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1971 through 1996. The highest concentration of 1,000,000 CFU/100 ml was reported four times at four stations, within the park boundary in Valley Creek at the State Route 23 Bridge (VAFO 0074) and outside the park boundary in Valley Creek at the Mill Road Bridge (VAFO 0106), Little Valley Creek at the Mill Road Bridge (VAFO 0100), and Little Valley Creek at the Morehall Road Bridge (VAFO 220), in August 1990.

Chloride concentrations (including dissolved and total) were measured 1,715 times at 222 stations from 1926 through 1998. Eleven total concentrations, ranging from 253 mg/L to 5,050 mg/L at seven stations, within the park boundary at Varnum's Spring (VAFO 0030) and in Valley Creek, at the Wilson Road Bridge (VAFO 0050) and at the State Route 23 Bridge (VAFO 0073), and outside the park boundary in Skippack Creek twenty yards downstream from the old abutment at the Arcola Road Bridge (VAFO 0031) and Little Valley Creek (VAFO 0160, VAFO 0167, VAFO 0201), exceeded the drinking water criterion of 250 mg/L from 1973 through 1998. Two of these 11 concentrations, 5,050 mg/L reported in Skippack Creek 20 yards downstream from the old abutment at the Arcola Road Bridge (VAFO 0031) and 970 mg/L within the park boundary in Valley Creek at the Wilson Road Bridge (VAFO 0050), also exceeded the acute freshwater criterion of 860 mg/L in August 1987 and July 1973, respectively.

Total residual chlorine concentrations were measured 271 times at 50 monitoring stations from 1982 through 1998. One-hundred-fifty-six concentrations at 34 stations exceeded the acute freshwater criterion of 0.019 mg/L from 1987 through 1998. Approximately 85 percent of the observations exceeding the criterion were reported at 23 stations within the park boundary from 1989 through 1998, including the highest concentration of 3 mg/L in Fawn Run (VAFO 0035) in April 1993.

Fluoride concentrations (including dissolved and total) were measured 617 times at 48 monitoring stations from 1950 through 1998. One concentration of 4.8 mg/L in Skippack Creek near Collegeville (VAFO 0019) exceeded the drinking water criterion of 4 mg/L in November 1969.

Sulfate concentrations (including dissolved and total) were measured 1,348 times at 163 monitoring stations from 1926 through 1998. Six total concentrations, ranging from 260 mg/L to 850 mg/L at three stations, within the park boundary in Valley Creek at the Wilson Road Bridge (VAFO 0050) and outside the park boundary in Skippack Creek 20 yards downstream from the old abutment at the Arcola Road Bridge (VAFO 0031) and French Creek near Phoenixville (VAFO 0433), exceeded the drinking water criterion of 250 mg/L from 1956 through 1980. Four of the six concentrations exceeding the criterion were reported within the park boundary in Valley Creek at the Wilson Road Bridge (VAFO 0050) from 1970 through 1972, including the highest concentration of 850 mg/L in February 1972.

Nitrate concentrations (including dissolved and total as N and dissolved and total as NO_3) were measured 1,227 times at 215 monitoring stations from 1926 through 1998. Six concentrations at four stations, within the park boundary in Valley Creek at the Wilson Road Bridge (VAFO 0045) and outside the park boundary, in French Creek at a railroad bridge in Phoenixville (VAFO 0155) and Little Valley Creek near the State Route 401 Bridge (VAFO 0303, VAFO 0304), exceeded the drinking water criteria of 10 mg/L NO_3-N or 44 mg/L NO_3-NO_3 from 1969 through 1984. Five NO_3-N concentrations, ranging from 11 mg/L to 30 mg/L at the four stations, exceeded the drinking water criterion of 10 mg/L NO_3-N. One dissolved NO_3-NO_3 concentration of 62 mg/L in French Creek at a railroad bridge in Phoenixville (VAFO 0155) exceeded the drinking water criterion of 44 mg/L for NO_3-NO_3 in October 1981.

Nitrite concentrations (including dissolved and total as N and dissolved and total as NO_2) were measured 1,650 times at 210 monitoring stations from 1970 through 1998. Two-hundred-twenty concentrations at 41 stations exceeded the drinking water criteria of 1.0 mg/L NO_2-N or 3.3 mg/L NO_2-NO_2 from 1970 through 1998. Two-hundred-eighteen total NO_2-NO_2 concentrations at 39 stations exceeded the drinking water criterion of 3.3 mg/L NO_2-NO_2 from 1989 through 1998. Two total NO_2-N concentrations at two stations, 1.3 mg/L in Pickering Creek upstream of the pumping plant (VAFO 0133) and 1.15 mg/L in Pickering Creek downstream of the pumping plant (VAFO 0132), exceeded the drinking water criterion of 1.0 mg/L NO_2-N in August 1990 and May 1970, respectively. Approximately 77 percent of the concentrations exceeding the criteria were recorded within the park boundary at 26 stations from 1989 through 1998, including the highest concentration of 347 mg/L NO_2-NO_2 in Fawn Run (VAFO 0035) in August 1996.

Nitrite plus nitrate concentrations (including dissolved and total as N) were measured 711 times at 52 stations from 1970 through 1998. Nine concentrations, ranging from 11.3 mg/L to 15.76 mg/L at eight stations, in French Creek at a railroad bridge in Phoenixville (VAFO 0155), Trout Creek just north of the Interstate 76 Bridge (VAFO 0011), Little Valley Creek at the Mill Road Bridge (VAFO 0100), Valley Creek at the Mill Road Bridge (VAFO 106), Pickering Creek upstream of the pumping plant (VAFO 0133), Little Valley Creek at the Morehall Road Bridge (VAFO 0220), Valley Creek at the Morehall Road Bridge (VAFO 0278), and Pickering Creek near Horseshoe Trail Road (VAFO 0444), exceeded the drinking water criterion of 10 mg/L from 1970 through 1986. The highest concentration of 15.76 mg/L was reported in Valley Creek at the Morehall Road Bridge (VAFO 0278) in December 1986.

Cadmium concentrations (including dissolved, suspended, and total) were measured 1,078 times at 142 monitoring stations from 1971 through 1998. Of the 665 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 22 concentrations at 18 stations exceeded the acute freshwater criterion of 3.9 micrograms per liter (µg/L) from 1973 through 1996.

Eighteen of these 22 concentrations also equaled or exceeded the drinking water criterion of 5 µg/L. The highest concentration of 700 µg/L was reported in Pickering Creek near Horseshoe Trail Road (VAFO 0444) in September 1996.

Copper concentrations (including dissolved, suspended, total, and total recoverable) were measured 763 times at 139 monitoring stations from 1970 through 1998. One-hundred-six concentrations at 55 stations equaled or exceeded the acute freshwater criterion of 18 µg/L from 1971 through 1998. The highest concentration of 1,100 µg/L was reported in Valley Creek near the Church Road Bridge (VAFO 0193) in October 1983.

Lead concentrations (including dissolved, suspended, and total) were measured 721 times at 139 monitoring stations from 1971 through 1998. Seventy-five concentrations at 24 stations exceeded the drinking water criterion of 15 µg/L from 1976 through 1996. Sixteen of these 75 concentrations also exceeded the acute freshwater criterion of 82 µg/L from 1976 through 1983. The highest concentration of 500 µg/L was reported in Valley Creek near the Church Road Bridge (VAFO 0193) in October 1983.

Nickel concentrations (including dissolved, suspended, total, and total recoverable) were measured 714 times at 131 monitoring stations from 1970 through 1998. Five total concentrations, ranging from 100 µg/L to 1,000 µg/L at five stations, within the park boundary in Valley Creek, at the Wilson Road Bridge (VAFO 0050) and near Washington's Headquarters (VAFO 0076), and outside the park boundary in Little Valley Creek, near Mill Road (VAFO 0096) and near the Church Road Bridge (VAFO 0144), and Valley Creek near the Church Road Bridge (VAFO 0193), equaled or exceeded the drinking water criterion of 100 µg/L from 1973 through 1983. The highest concentration of 1,000 µg/L was reported in Little Valley Creek near the Church Road Bridge (VAFO 0144) in June 1975.

Zinc concentrations (including dissolved, suspended, total, and total recoverable) were measured 1,141 times at 142 monitoring stations from 1970 through 1998. Thirty-seven concentrations at 16 stations equaled or exceeded the acute freshwater criterion of 120 µg/L from 1972 through 1994. The highest concentration of 450 µg/L was reported in French Creek at a railroad bridge in Phoenixville (VAFO 0155) in November 1980.

Total 1,1-dichloroethylene concentrations were measured 39 times at 30 monitoring stations from 1981 through 1994. One concentration of 12.4 µg/L at a spring near Little Valley Creek (VAFO 0211) exceeded the drinking water criterion of 7 µg/L in April 1994.

Total 1,1,1-trichloroethane concentrations were measured 88 times at 65 monitoring stations from 1981 through 1994. One concentration of 300 µg/L at Catanach Quarry North (VAFO 0323) exceeded the drinking water criterion of 200 µg/L in July 1985.

Total methylene chloride concentrations were measured 67 times 51 monitoring stations from 1981 through 1994. Two concentrations, 34 µg/L in the Schuylkill River at the State Route 113 Bridge (VAFO 0159) and 6.7 µg/L in Valley Creek near the U.S. Route 202 Bridge (VAFO 0331), exceeded the drinking water criterion of 5 µg/L in April 1981 and July 1993, respectively.

Total tetrachloroethylene concentrations were measured 104 times at 81 monitoring stations from 1981 through 1998. Ten concentrations, ranging from 5 µg/L to 25 µg/L at eight stations, in Valley Creek near the Mill Lane Bridge (VAFO 0353, VAFO 0356, VAFO 0365), at springs near Valley Creek and the Mill Lane Bridge (VAFO 0362, VAFO 0367, VAFO 0369), a spring near Little Valley Creek (VAFO 0211), and Catanach Quarry North (VAFO 0323), equaled or exceeded the drinking water criterion of 5 µg/L from 1985 through 1998. Eight of these ten concentrations were reported at six stations in or near Valley Creek and the Mill Lane Bridge (VAFO 0353, VAFO 0356, VAFO 0362, VAFO 0365, VAFO 0367, VAFO 0369) from 1993 through 1998. The highest concentration of 25 µg/L was reported in Catanach Quarry North (VAFO 0323) in July 1985.

Total trans-1,2-dichloroethene concentrations were measured 18 times at 16 monitoring stations from 1981 through 1994. One concentration of 140 µg/L at Catanach Quarry North (VAFO 0323) exceeded the drinking water criterion of 100 µg/L in July 1985.

Whole water trichloroethylene concentrations were measured 108 times at 82 monitoring stations from 1981 through 1998. Fifty-two concentrations at 36 stations equaled or exceeded the drinking water criterion of 5 µg/L from 1984 through 1998. The highest concentration of 200 µg/L was reported at Catanach Quarry North (VAFO 0323) in July 1985.

The IDEA conducted for VAFO indicates that STORET data exist for 12 of the 13 Level I parameter groups in the study area. No STORET data exist for the parameter group Chlorophyll. Overall, approximately 62 percent of the observations for Level I parameter groups were recorded since 1985. Data for six groups (Flow, Clarity/Turbidity, Phosphate/Phosphorus, Sulfates/Total Dissolved Solids/Hardness, Bacteria, and Toxic Elements) were recorded at less than half of the 440 monitoring stations with data. Relative to other parameter groups with data, data were limited for the group Clarity/Turbidity. Results for 120 of the 126 EPA priority toxic pollutants (consisting of organic and inorganic parameters, metals, pesticides, and PCB's) were retrieved from STORET.

Surface water resources in the VAFO study area include the Schuylkill River; Valley, Little Valley, French, Pickering, Trout, and numerous other creeks and runs; Pickering Creek Reservoir and many other impoundments; some lakes and ponds; and Colonial, Varnum's, Walnut Hill, and numerous other springs and seeps. The data inventories and analyses contained in this report indicate that surface waters within the study area appear to have been impacted by human activities. Potential anthropogenic sources of contaminants include industrial and municipal wastewater discharges; commercial and residential development; stormwater runoff; EPA listed Superfund sites; landfill operations; quarrying and mining activities; agricultural operations; recreational use; and atmospheric deposition.

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INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;

2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;

4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;

5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and

6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+[1] format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses[2] and with the Servicewide Inventory and

[1]The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

[2]The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Mike Matz coordinated and managed the team which prepared all components of the report.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Amy Benton, Josh Johnson, Padraigh Gallagher, and Scott Ratchford helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Scott Ratchford, Valdete Celaj, Sonny Emmert, Nils Babel, Greg Johnson, Karyn Boldys, and Karin Howland provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, Chris Echohawk, Adam Henson, Ryan Shy, Adriane Petersen, Aria Brissette, Eric Lord, Ronda Burns, Melanie Schnier, and Clint Bassett uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Vequist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STOrage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

(1) Reformat the data into DBASE III+ format and other database structures;
(2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
(3) Display on a map the location of water quality monitoring stations and other water resources themes;
(4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
(5) Generate descriptive period-of-record water quality statistics in a tabular format;
(6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
(7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
(8) Compare the water quality data against relevant EPA national criteria; and

(9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

(A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.

(B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.

(C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.

(D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.

(E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.

(F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.

(G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied*. Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):

Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval
(a) STREAM
(b) CANAL
(c) LAKE
(d) RESERV (Reservoir)
(e) SPRING
(f) FWTLND (Fresh Water Wetland)
(g) SWTLND (Salt Water Wetland)
(h) ESTURY (Estuary)
(i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

Code	STORET Administrative Parameter Description
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

Media Screen	Description
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:
Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:

Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:
Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	**Description of STORET Remark Code**
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes

Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	**STORET Parameter Description**
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

Time Series: To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations. Annual Analysis: To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive. Seasonal Analysis: To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

Annual Analysis: For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive. Seasonal Analysis: For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

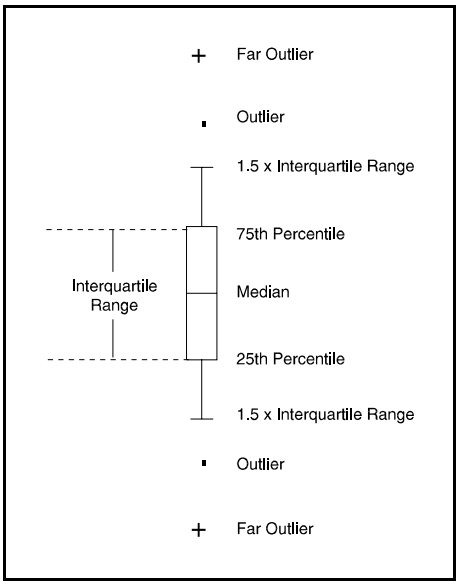
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

(1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

(2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.

(3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from μeq/l H^+; and (3) μeq/l H^+. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to μeq/l H^+ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as μeq/l H^+, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, μeq/l H^+ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, μeq/l H^+ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program
Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

Required Parameter Groups:
(1) Alkalinity
(2) pH
(3) Conductivity
(4) Dissolved Oxygen
(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)
(6) Temperature
(7) Flow

Case-By-Case Parameters Groups:
(8) Toxic Elements
(9) Clarity/Turbidity
(10) Nitrate/Nitrogen
(11) Phosphate/Phosphorus
(12) Chlorophyll
(13) Sulfates
(14) Bacteria

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR VAFO

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	Study Area	Park
GIS Estimated Acreage:	89751	3483
# STORET Stations:	461	72
# Stations With No Data:	21	3
# Stations With No Stat. Analysis:	1	0
# Longer Term Stations:	54	17
Date of STORET Retrieval:	12/21/99	12/21/99
Period of Record:	09/25/26-12/30/98	09/25/26-12/03/98
# Parameters Measured:	875	636
# Water Quality Observations:	60356	14574
# Industrial/Municipal Facilities:	38	0
# Drinking Water Intakes:	5	0
# Water Gages:	12	0
# Water Impoundments:	5	0
# Total Plots:	139	83
# Time Series:	56	32
# Annual:	69	51
# Seasonal:	14	0

Hydrologic Definition of Seasons:

1. September 1 - January 14
2. January 15 - April 10
3. April 11 - August 31

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 12 years and at least 56 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 4 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

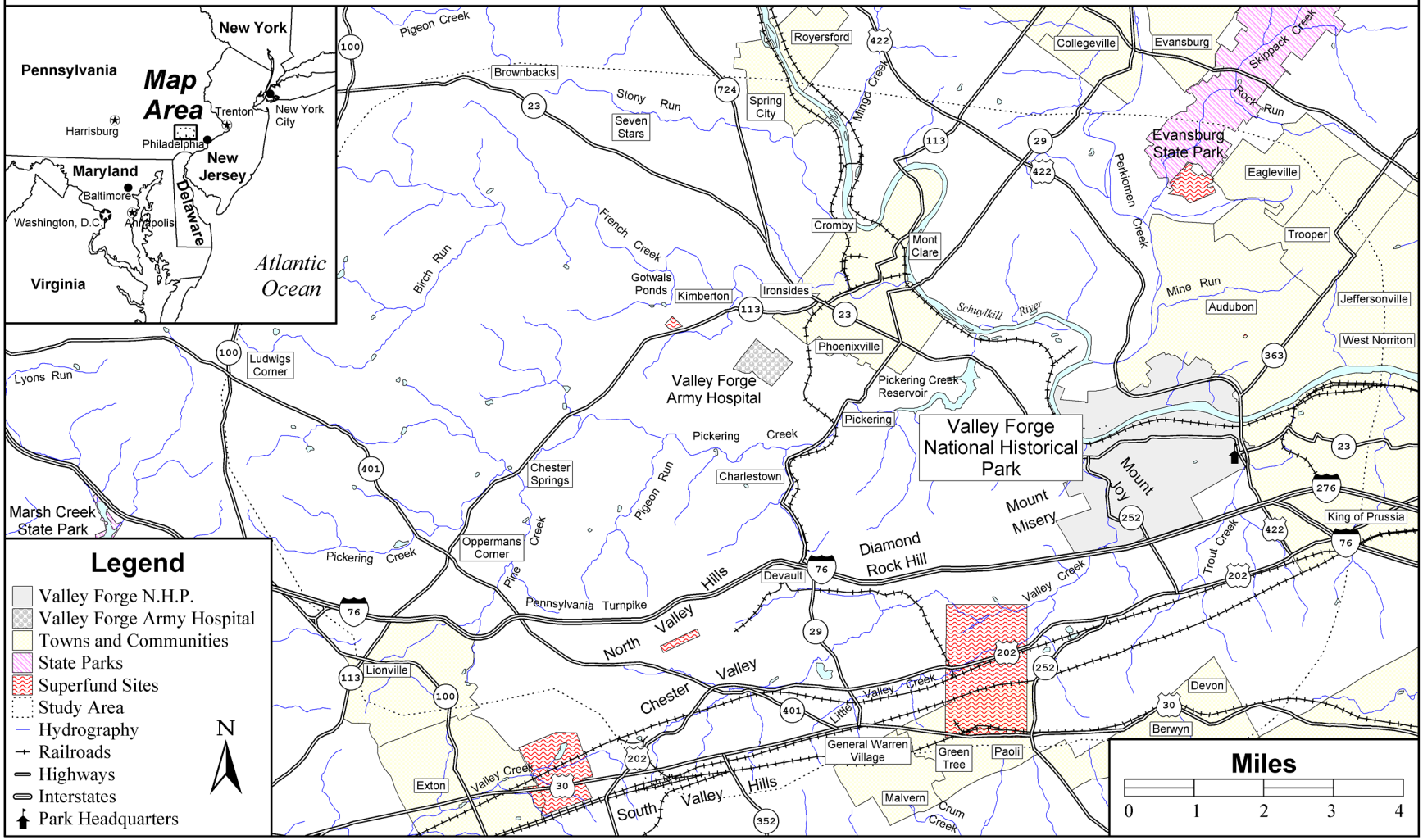
Seasonal Analysis Criteria:

To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 30 years and observations in at least 4 of the 30 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

Valley Forge National Historical Park

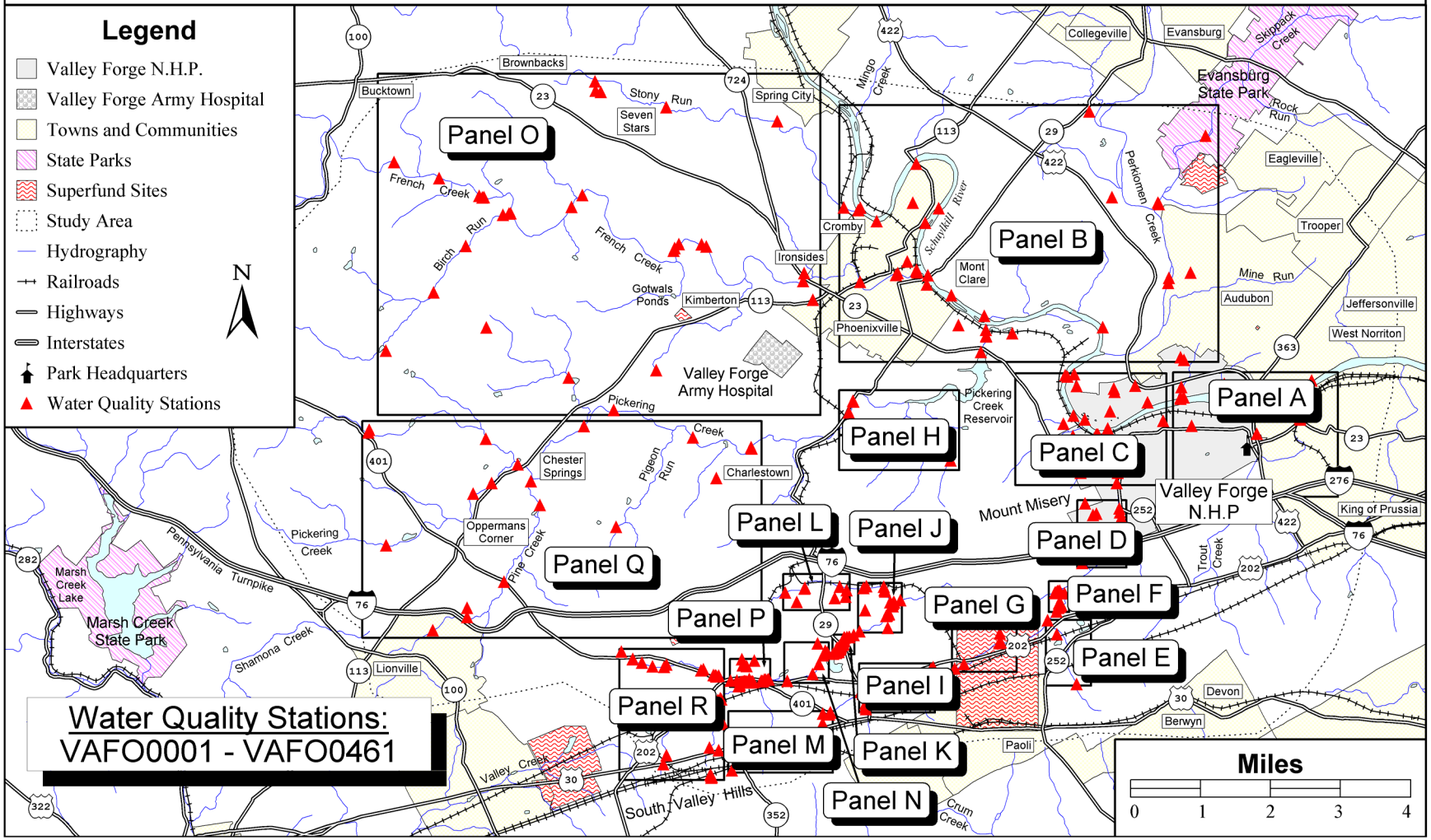
Regional Location Map



Valley Forge National Historical Park

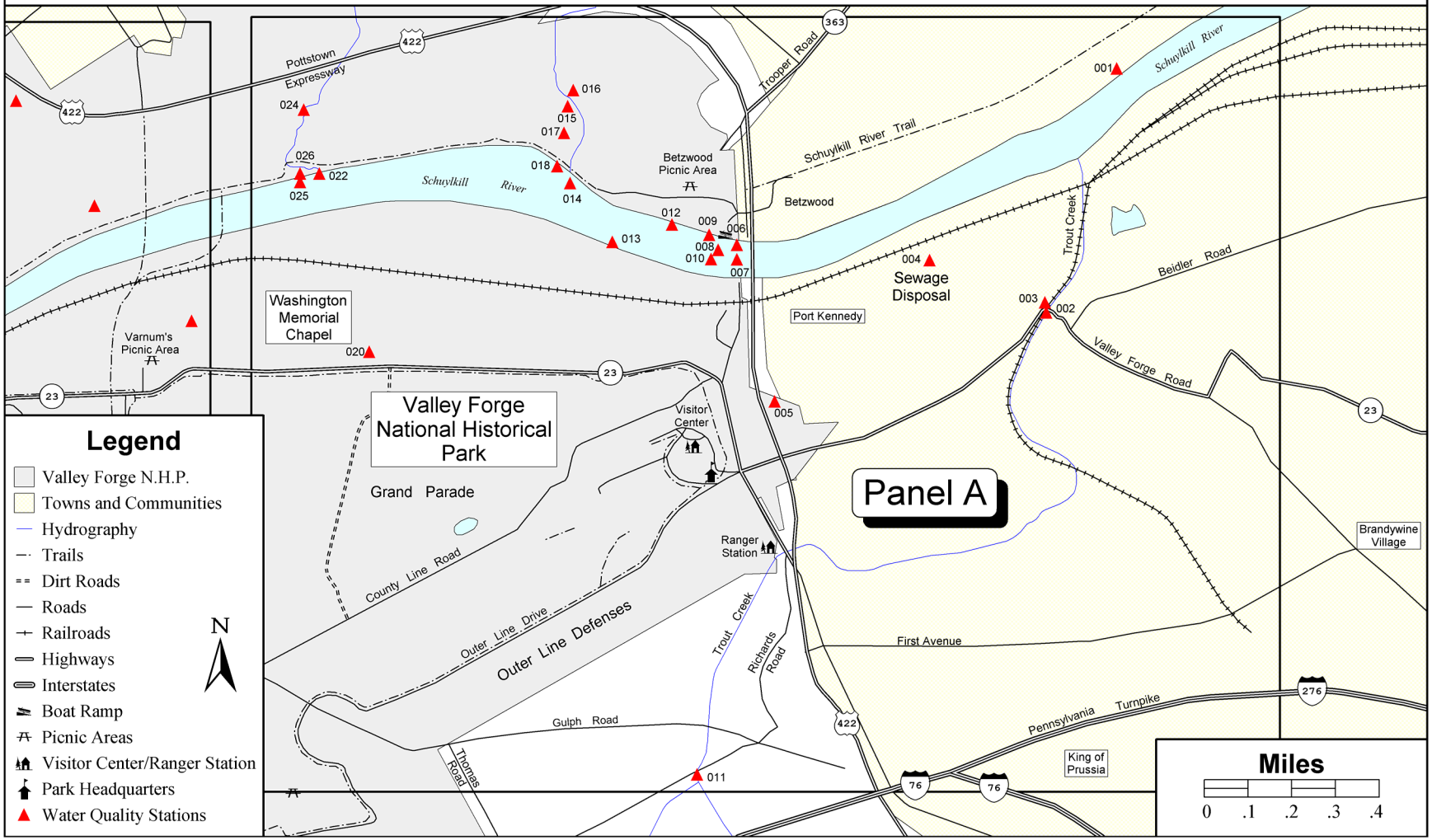
Water Quality Monitoring Locations

Graphic Panel Index



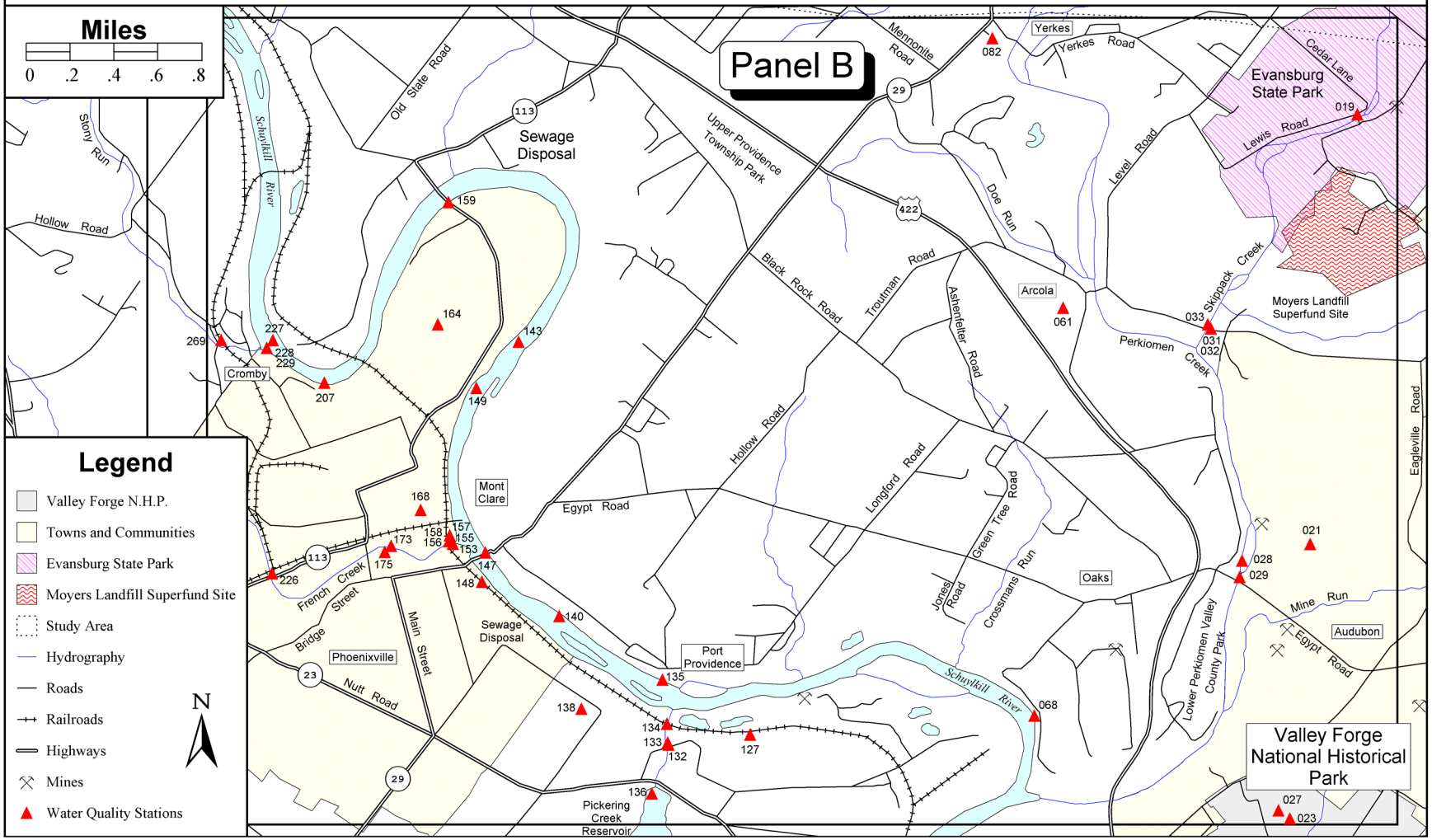
Valley Forge National Historical Park

Water Quality Monitoring Locations



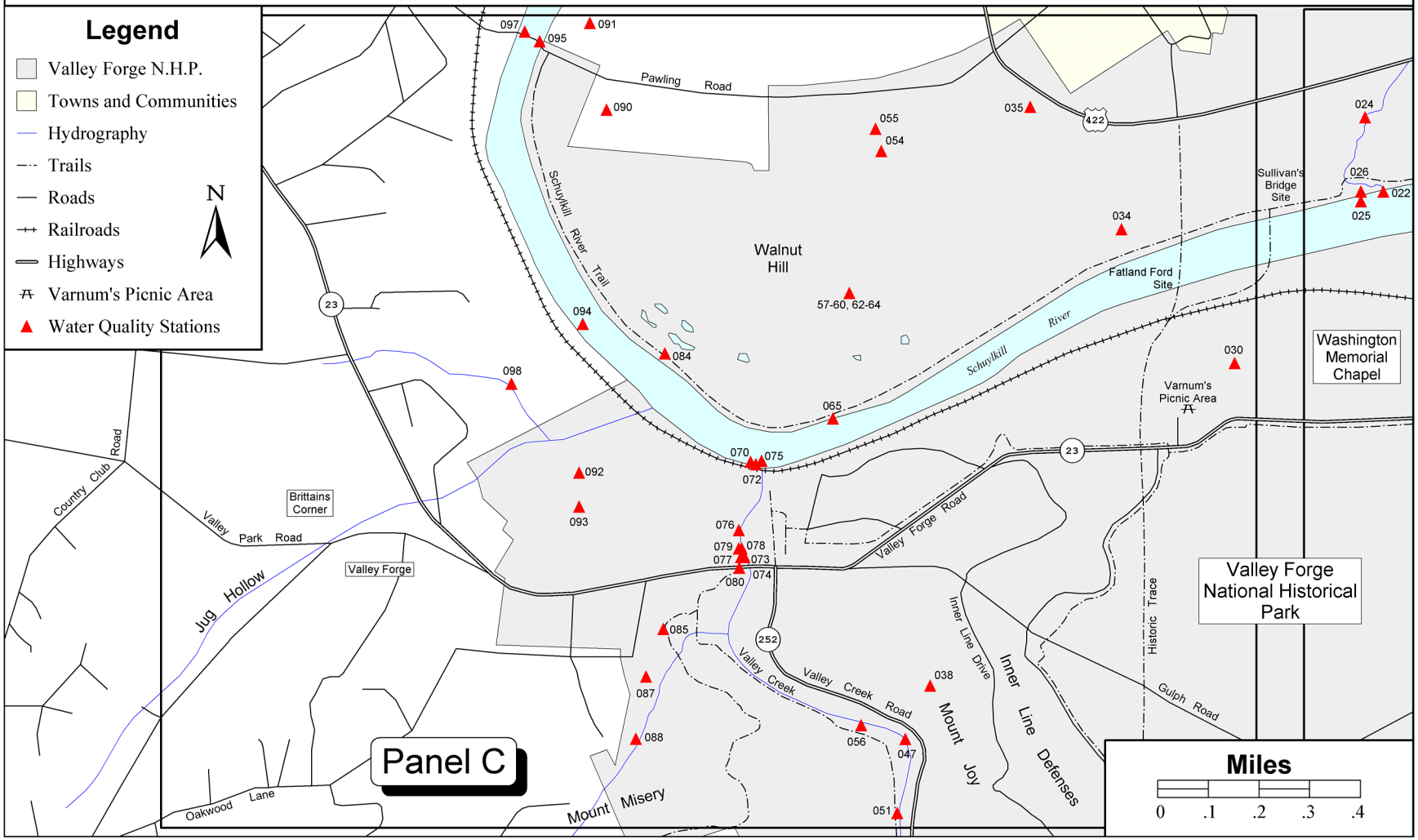
Valley Forge National Historical Park

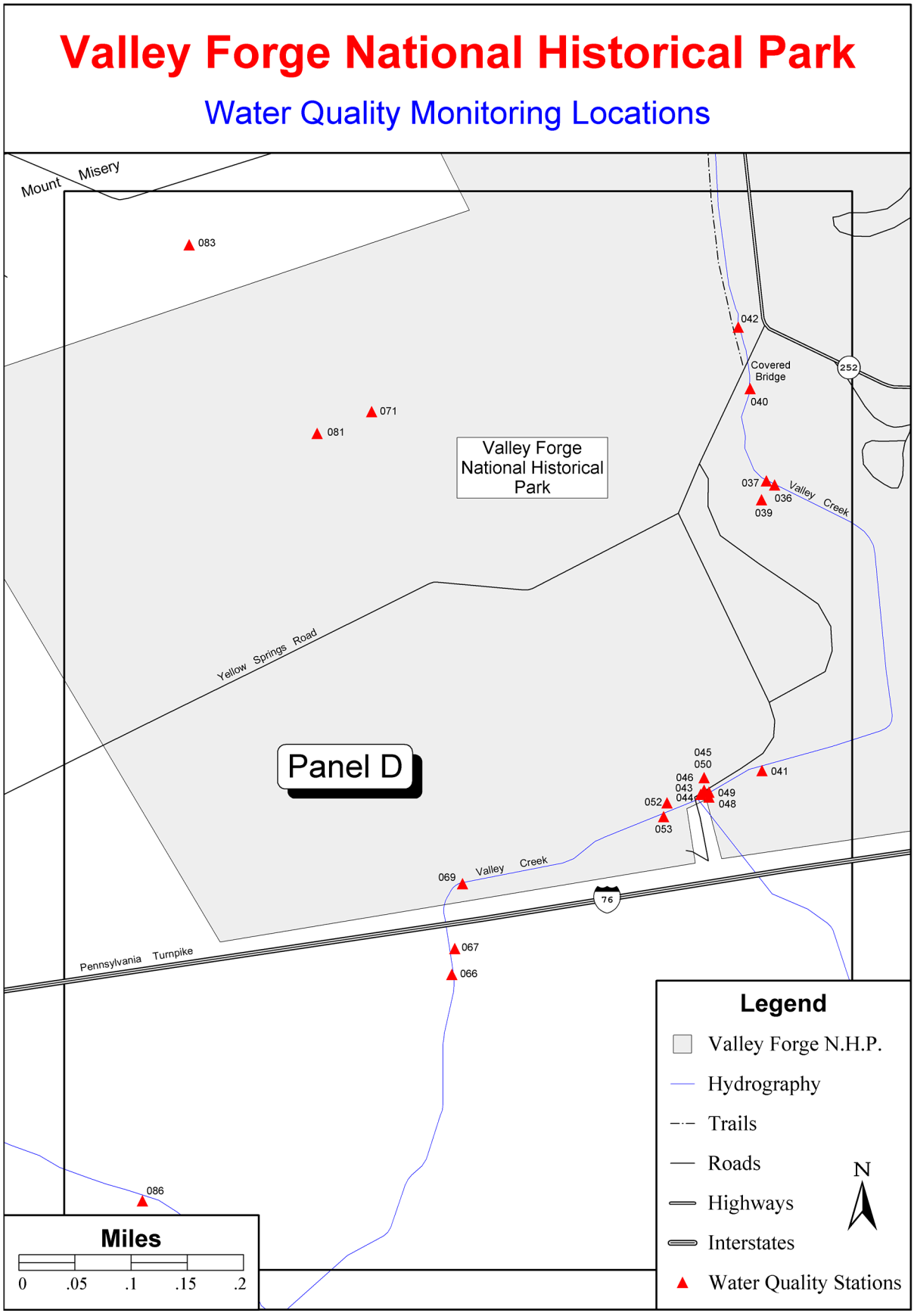
Water Quality Monitoring Locations



Valley Forge National Historical Park

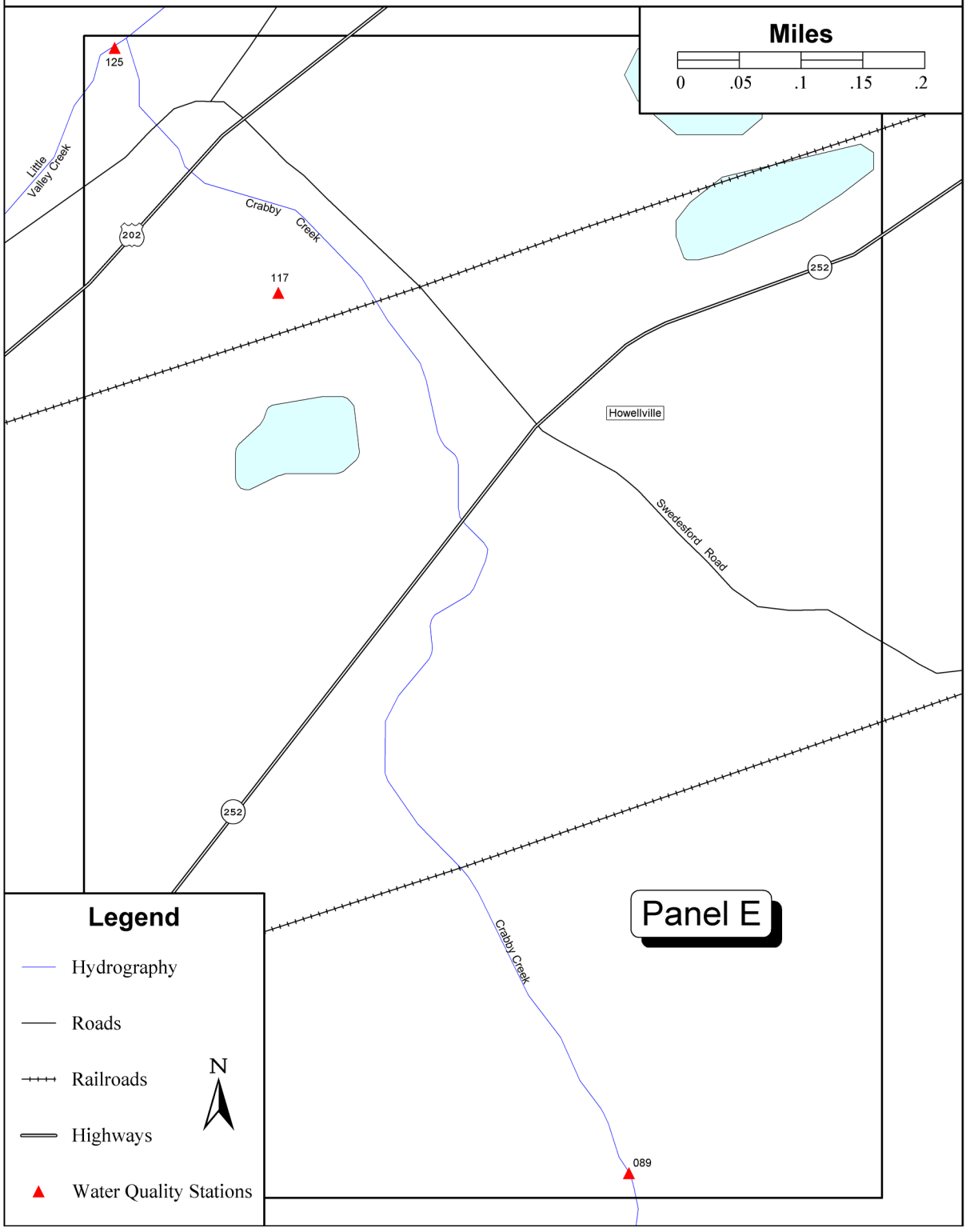
Water Quality Monitoring Locations




Valley Forge National Historical Park
Water Quality Monitoring Locations
Mount Misery
083
071
081
042
Covered Bridge
252
040
Valley Forge National Historical Park
037
036
039
Valley Creek
Yellow Springs Road
Panel D
045
050
046
043
044
049
048
041
052
053
069
Valley Creek
76
Pennsylvania Turnpike
067
066
086
Legend
Valley Forge N.H.P.
Hydrography
Trails
Roads
Highways
Interstates
Water Quality Stations
N
Miles
0 .05 .1 .15 .2

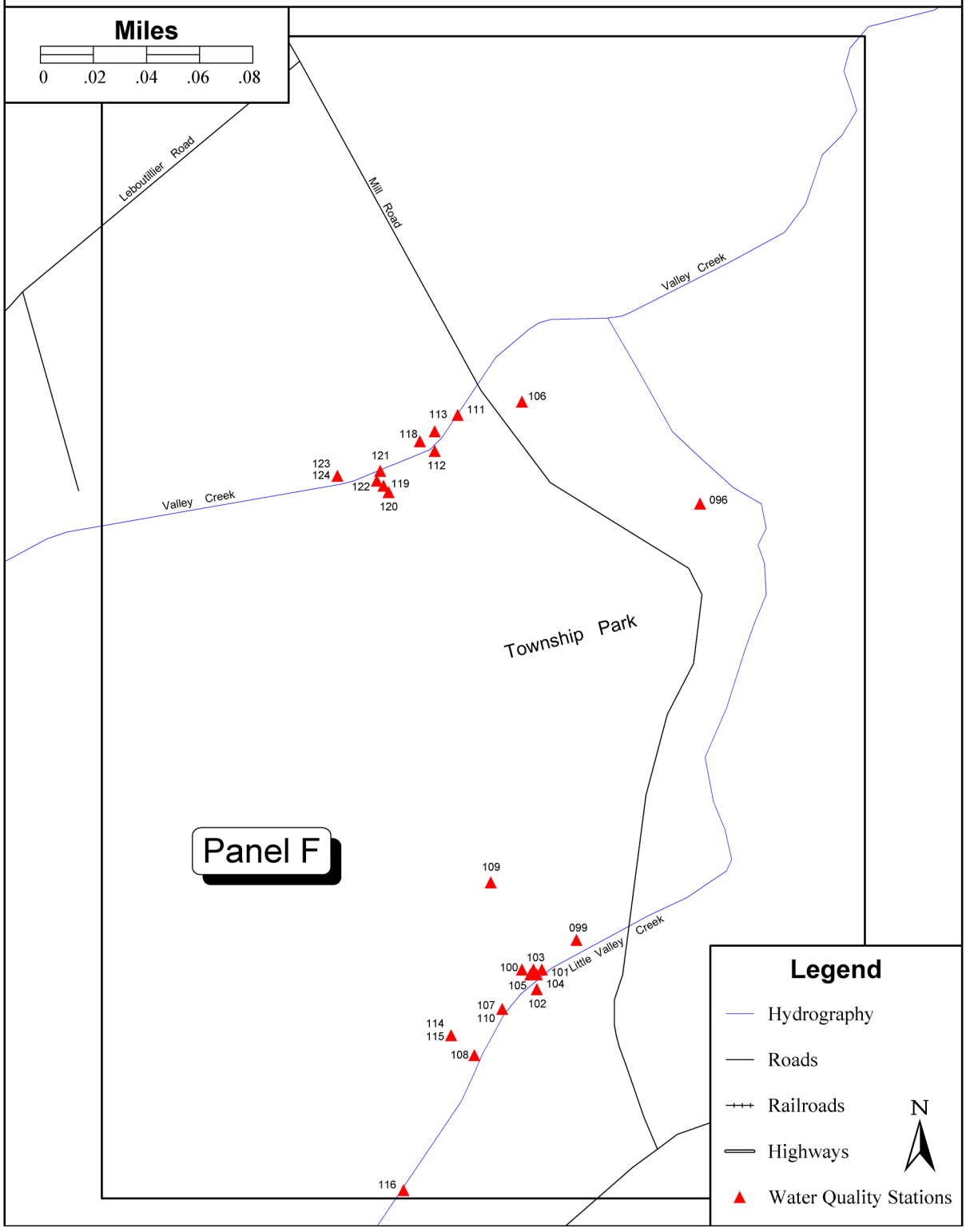
Valley Forge National Historical Park

Water Quality Monitoring Locations



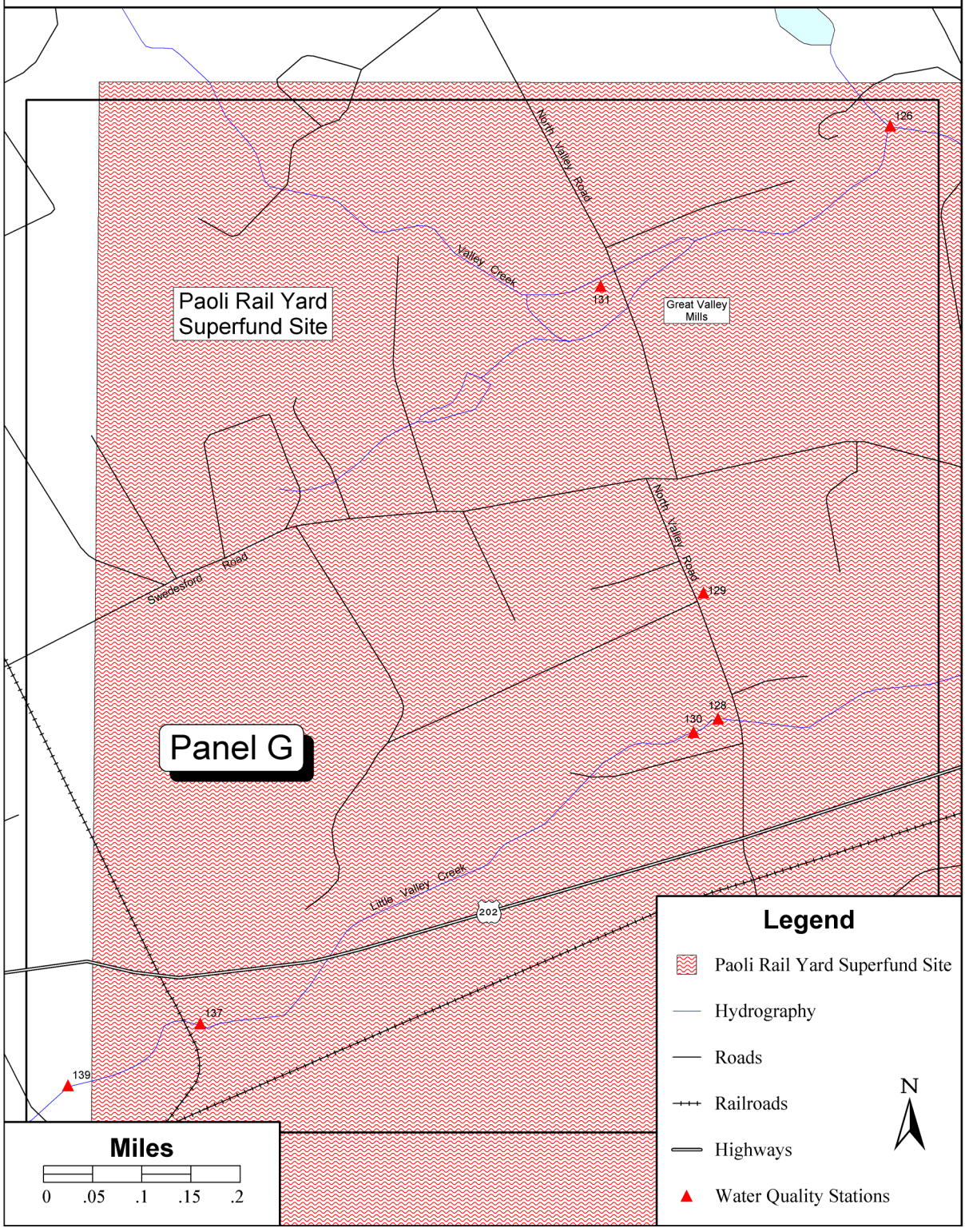
Valley Forge National Historical Park

Water Quality Monitoring Locations



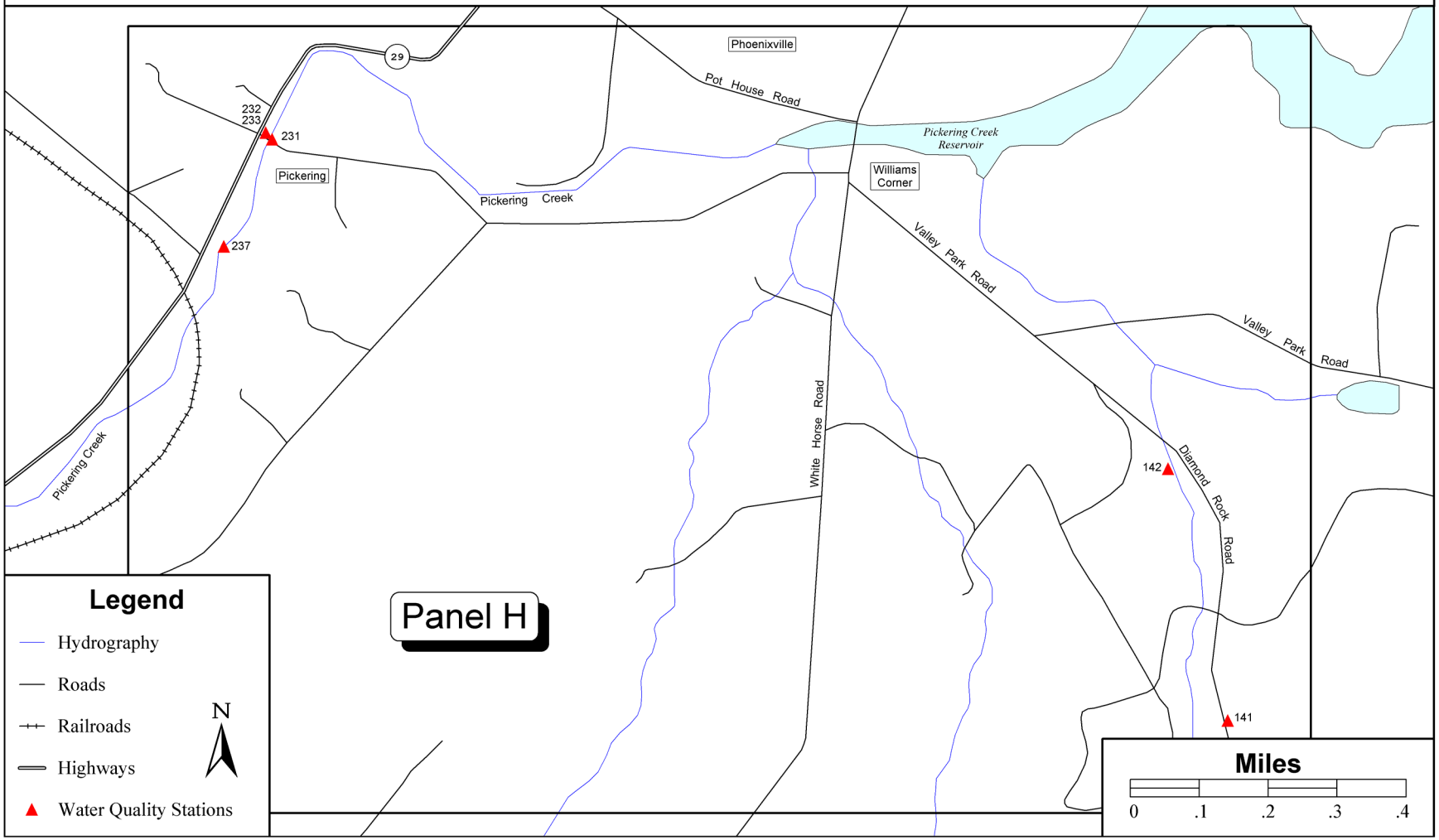
Valley Forge National Historical Park

Water Quality Monitoring Locations



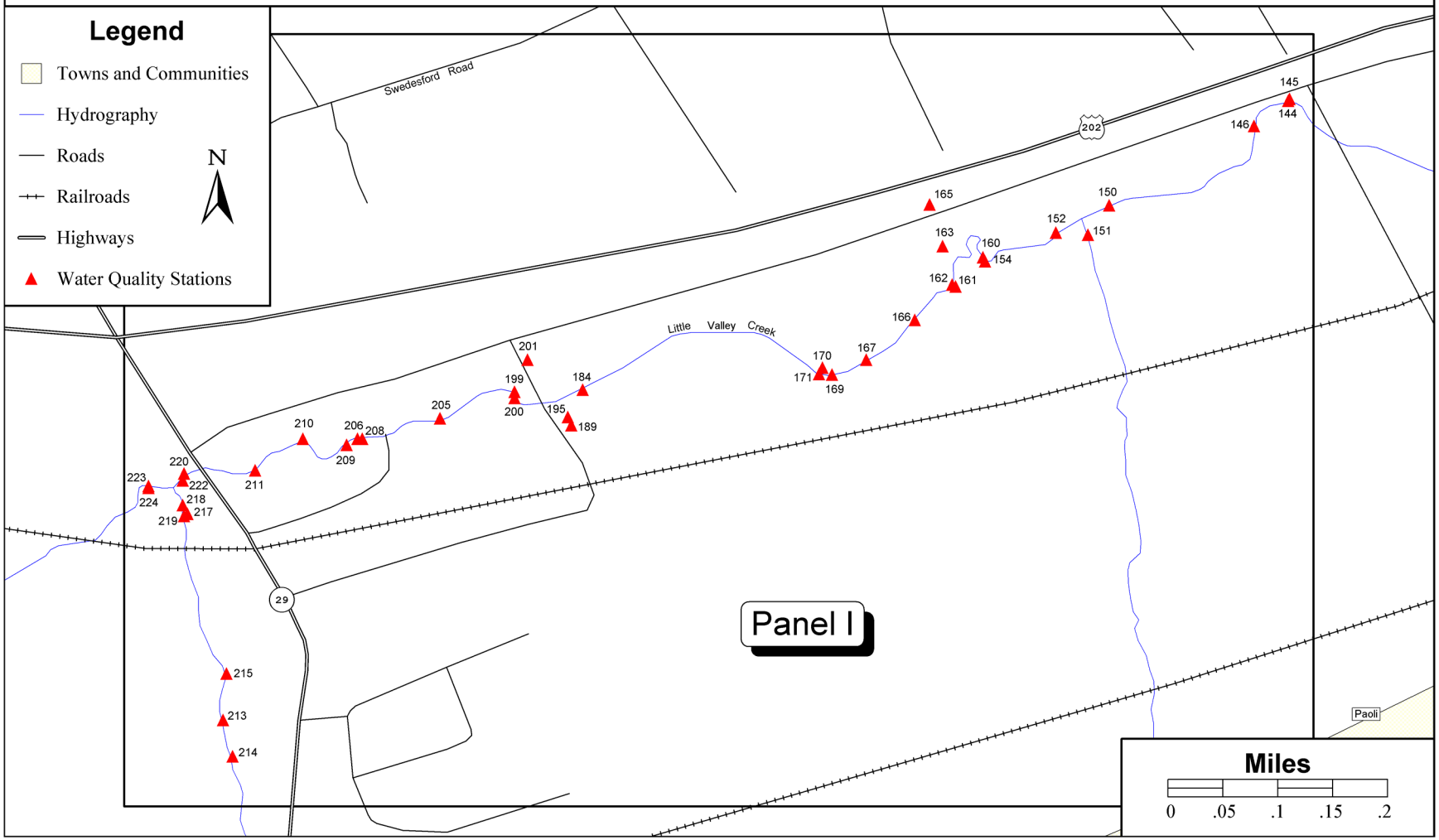
Valley Forge National Historical Park

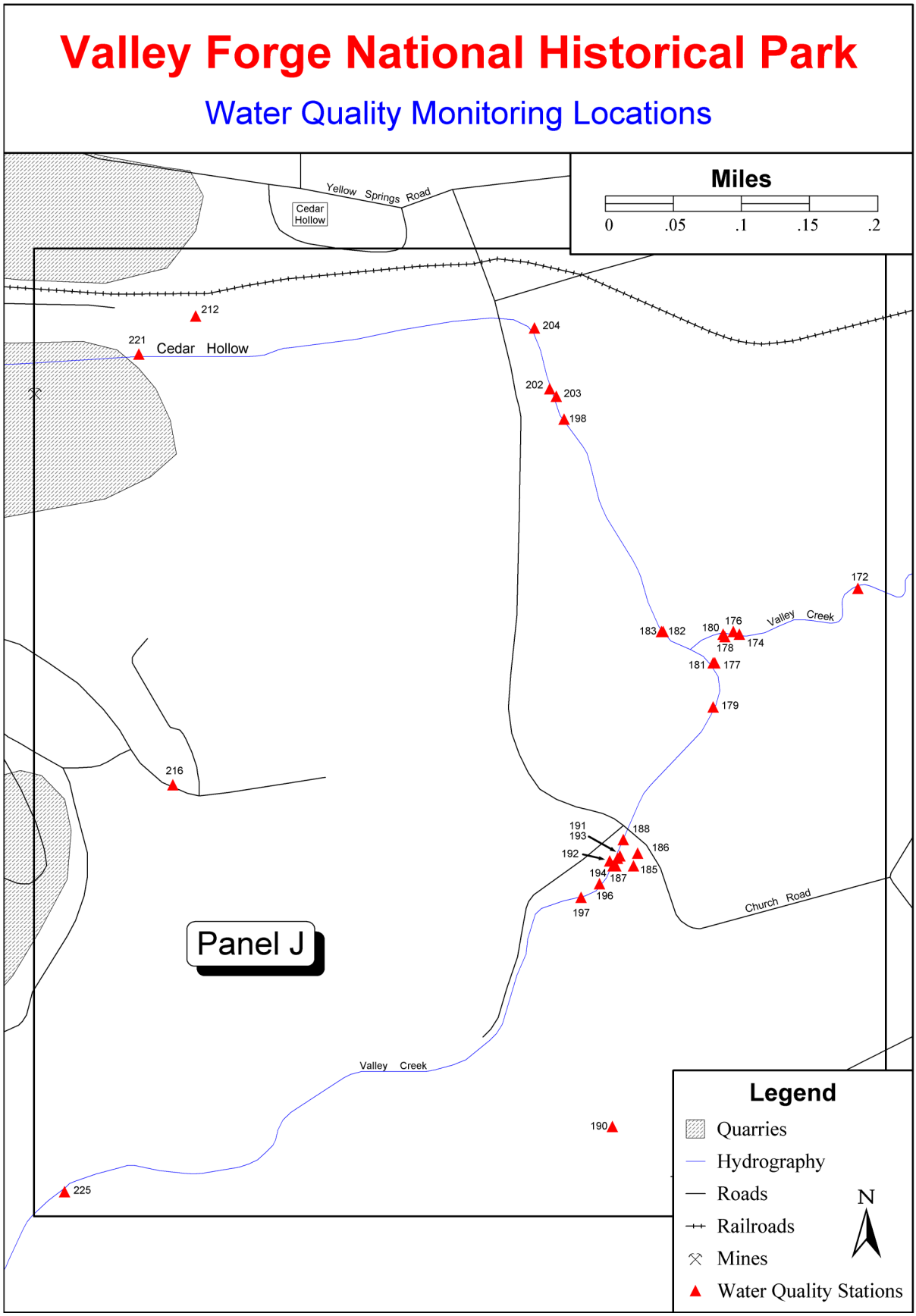
Water Quality Monitoring Locations



Valley Forge National Historical Park

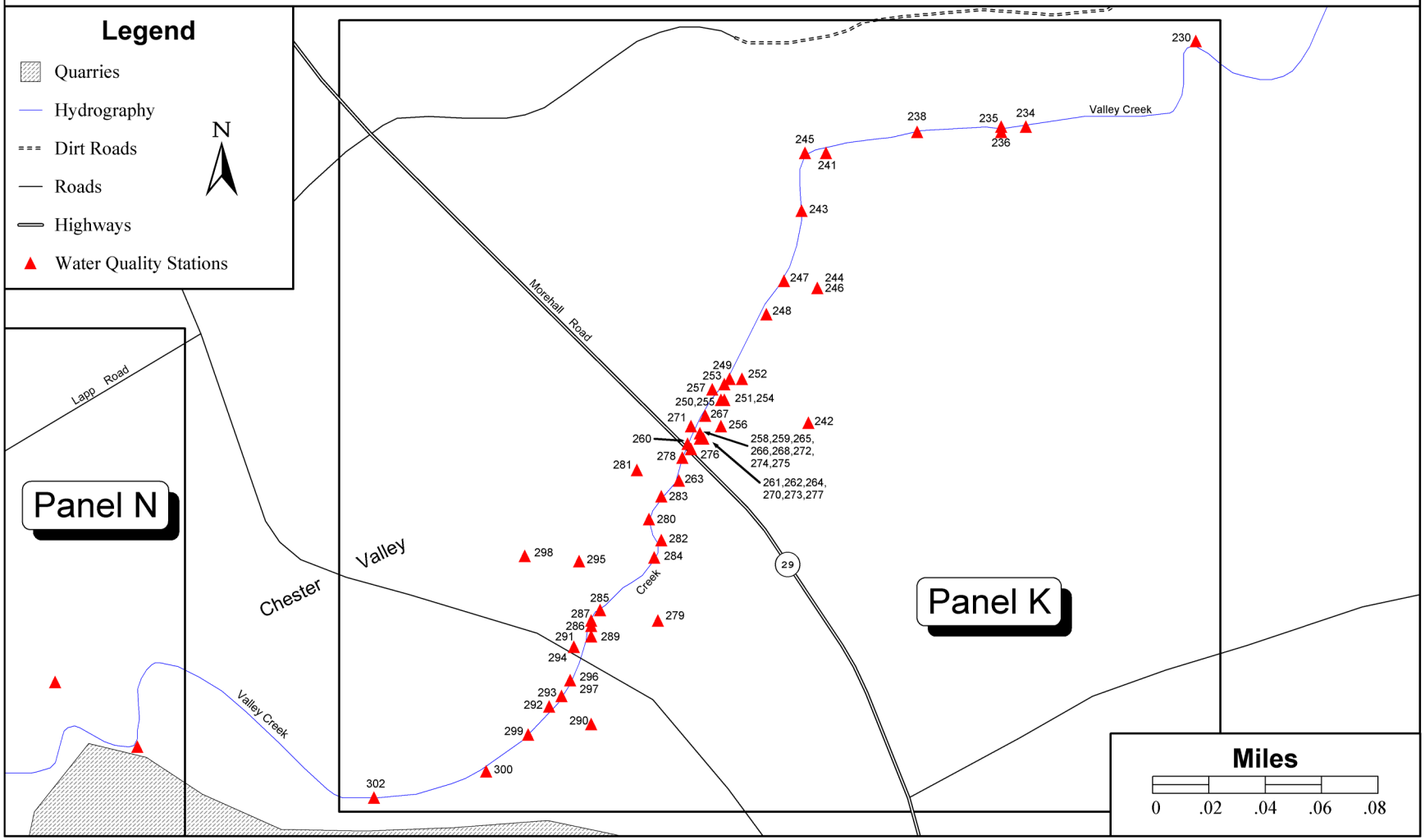
Water Quality Monitoring Locations




Valley Forge National Historical Park
Water Quality Monitoring Locations
Miles
0
.05
.1
.15
.2
Yellow Springs Road
Cedar Hollow
Cedar Hollow
Valley Creek
Church Road
Valley Creek
Panel J
212
221
204
202
203
198
172
183
182
180
176
174
178
181
177
179
216
191
193
192
194
188
186
185
187
196
197
190
225
Legend
Quarries
Hydrography
Roads
Railroads
Mines
Water Quality Stations
N

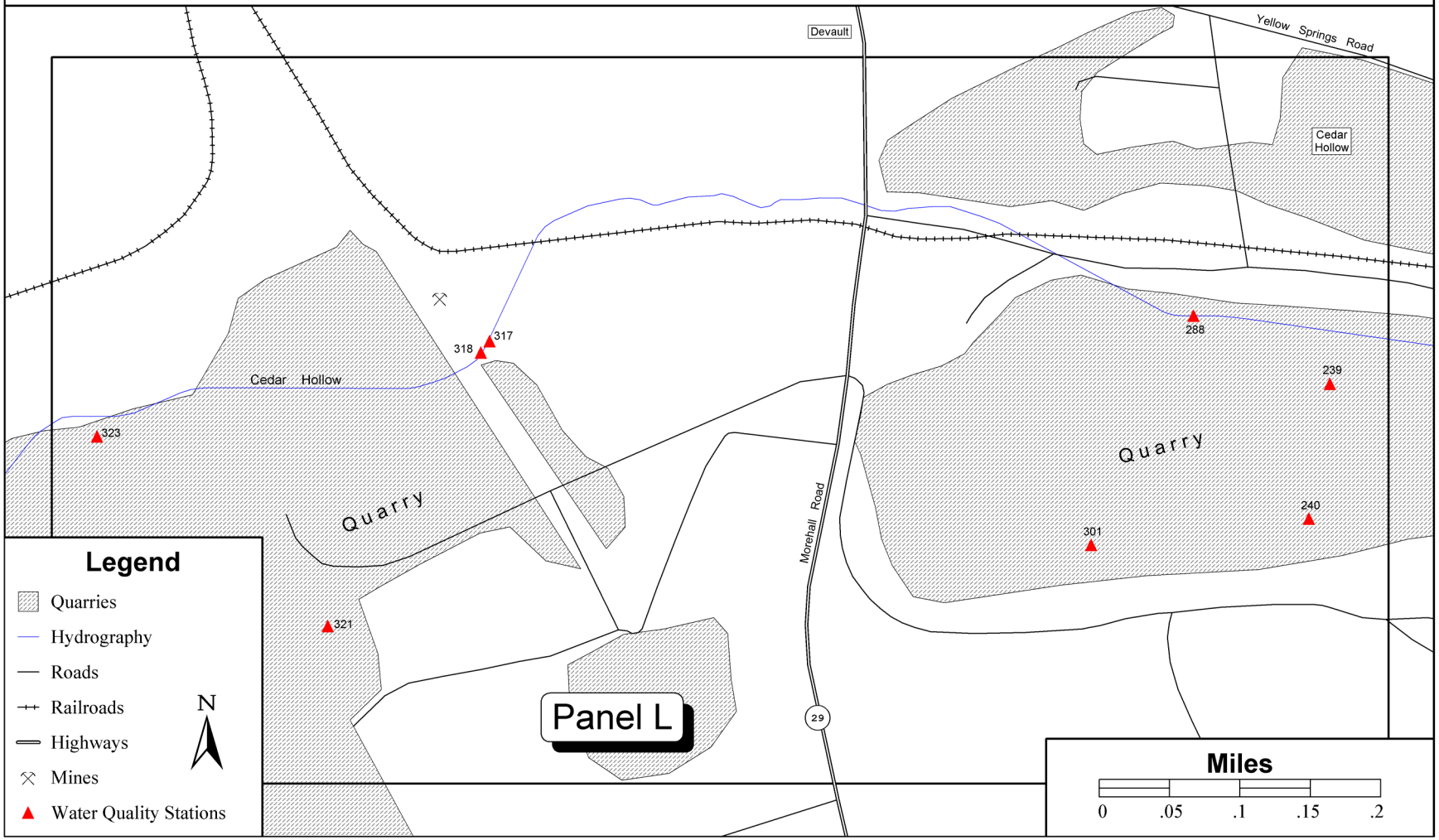
Valley Forge National Historical Park

Water Quality Monitoring Locations



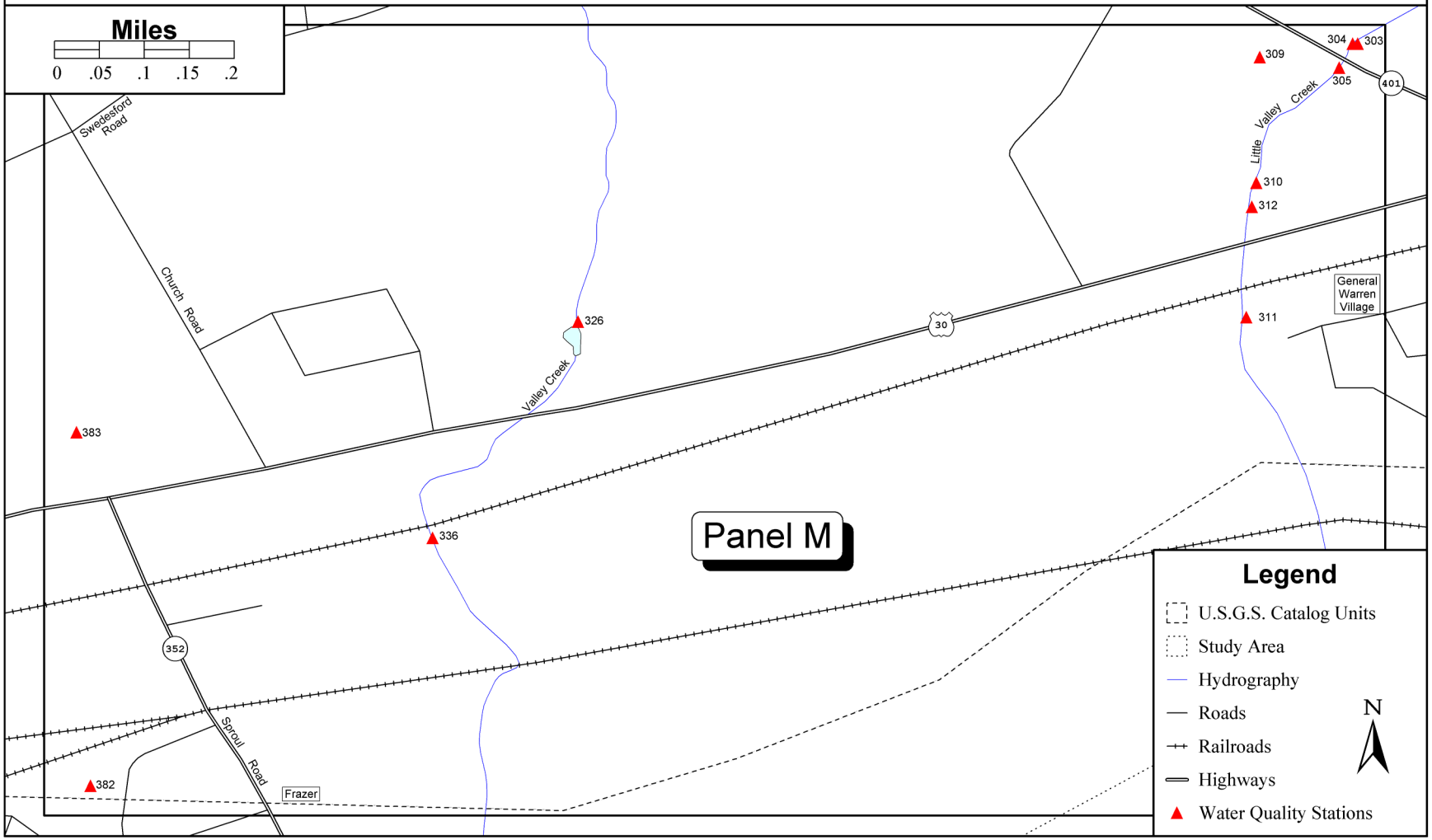
Valley Forge National Historical Park

Water Quality Monitoring Locations



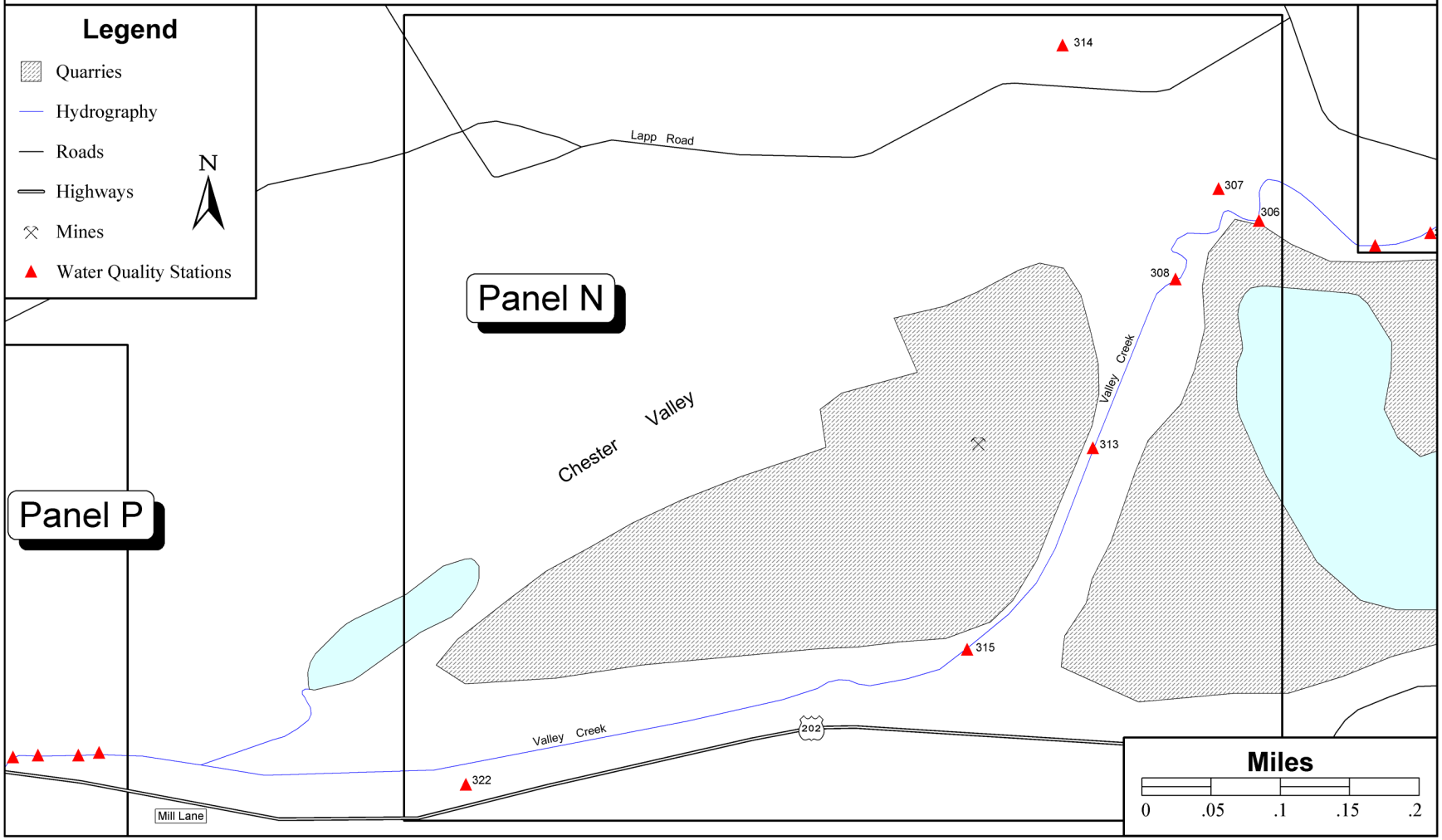
Valley Forge National Historical Park

Water Quality Monitoring Locations



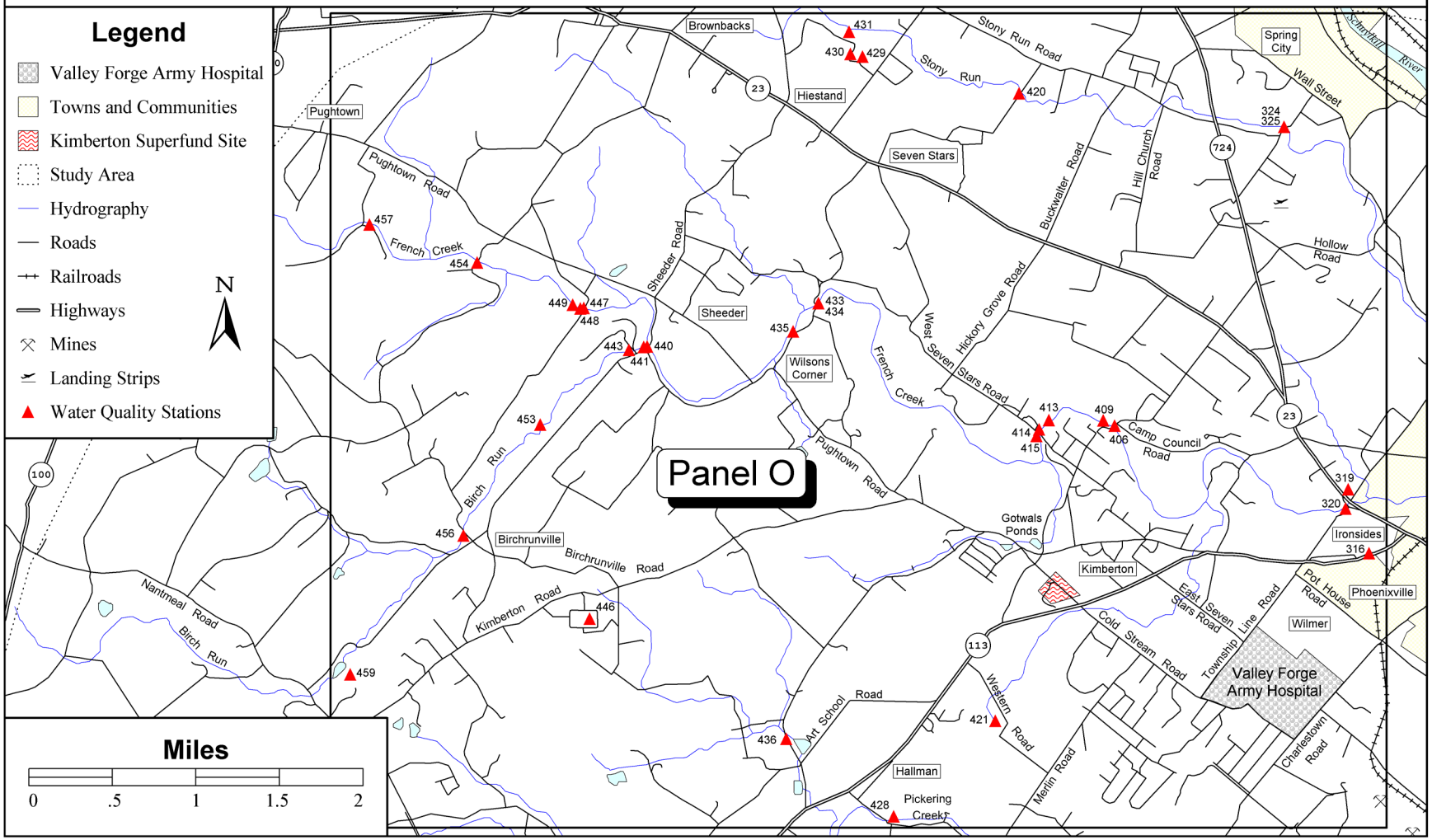
Valley Forge National Historical Park

Water Quality Monitoring Locations



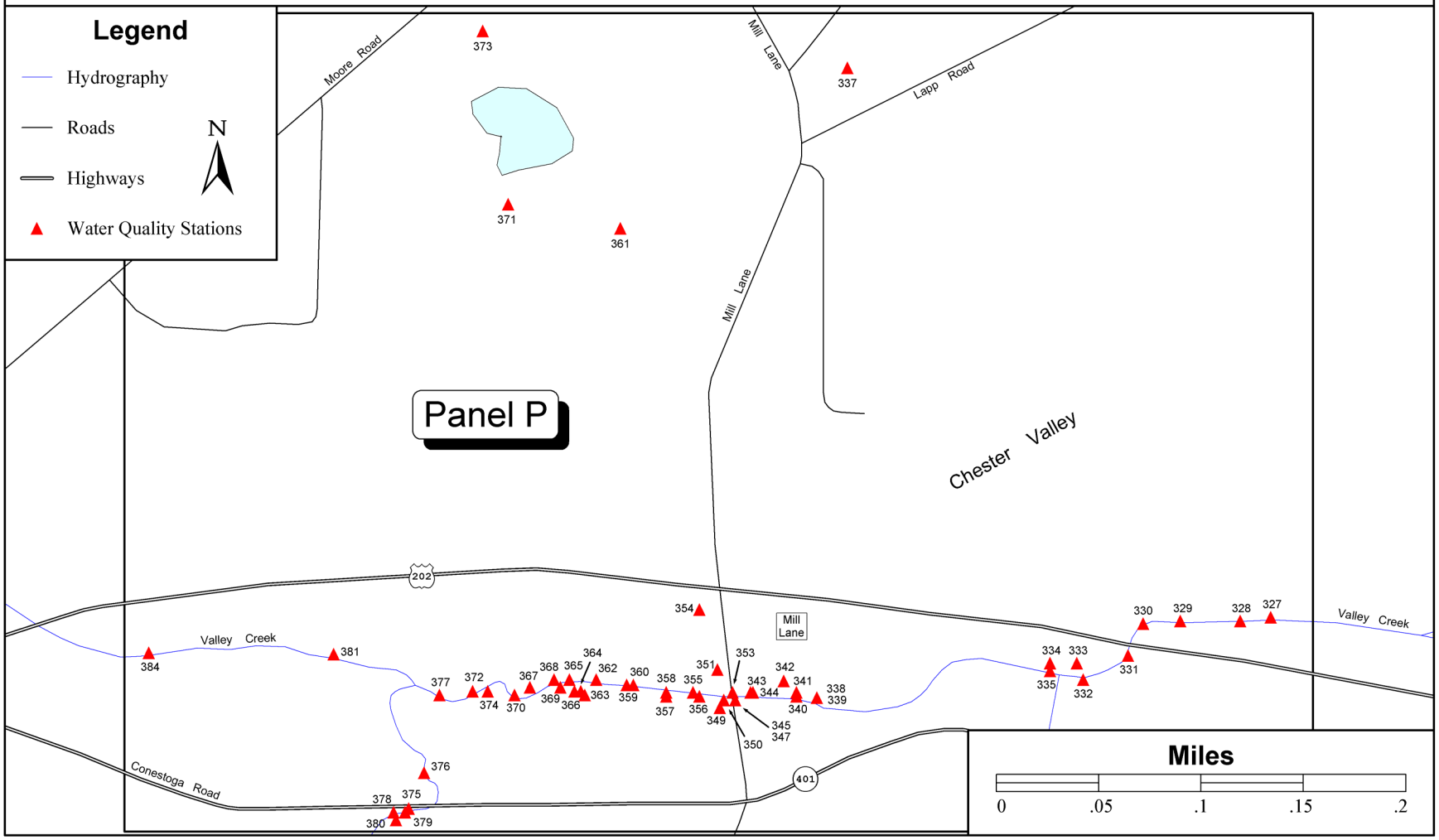
Valley Forge National Historical Park

Water Quality Monitoring Locations



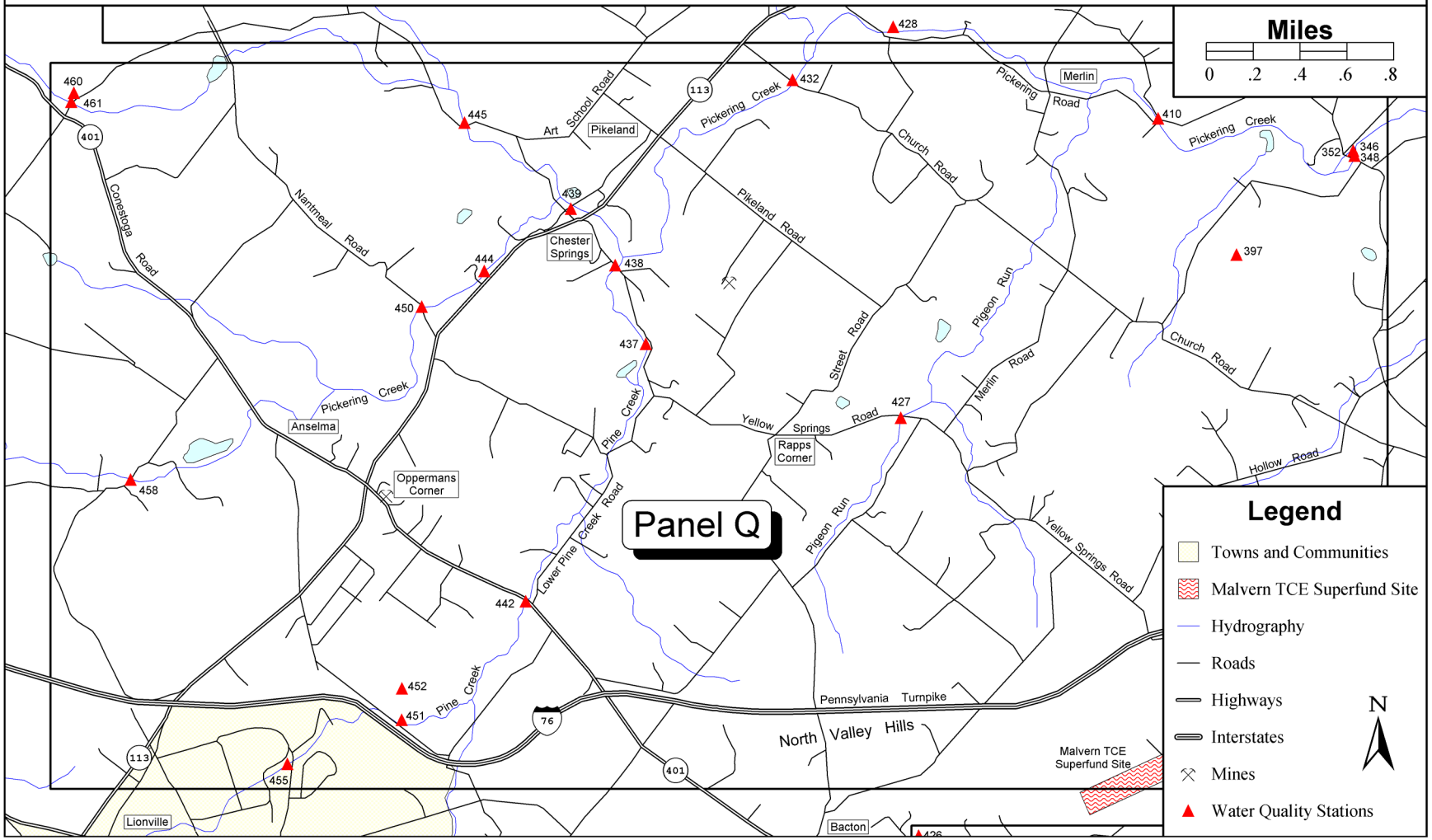
Valley Forge National Historical Park

Water Quality Monitoring Locations



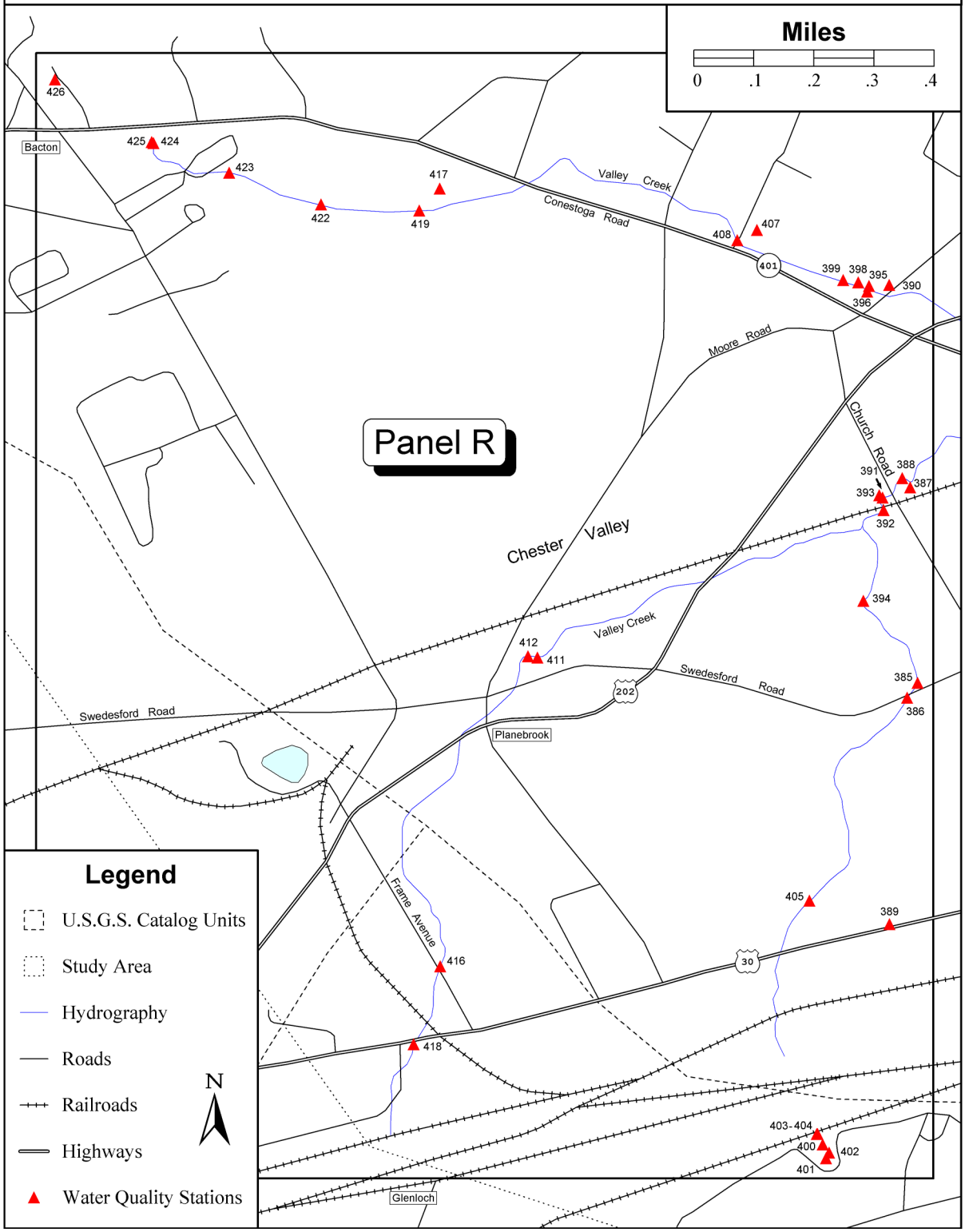
Valley Forge National Historical Park

Water Quality Monitoring Locations



Valley Forge National Historical Park

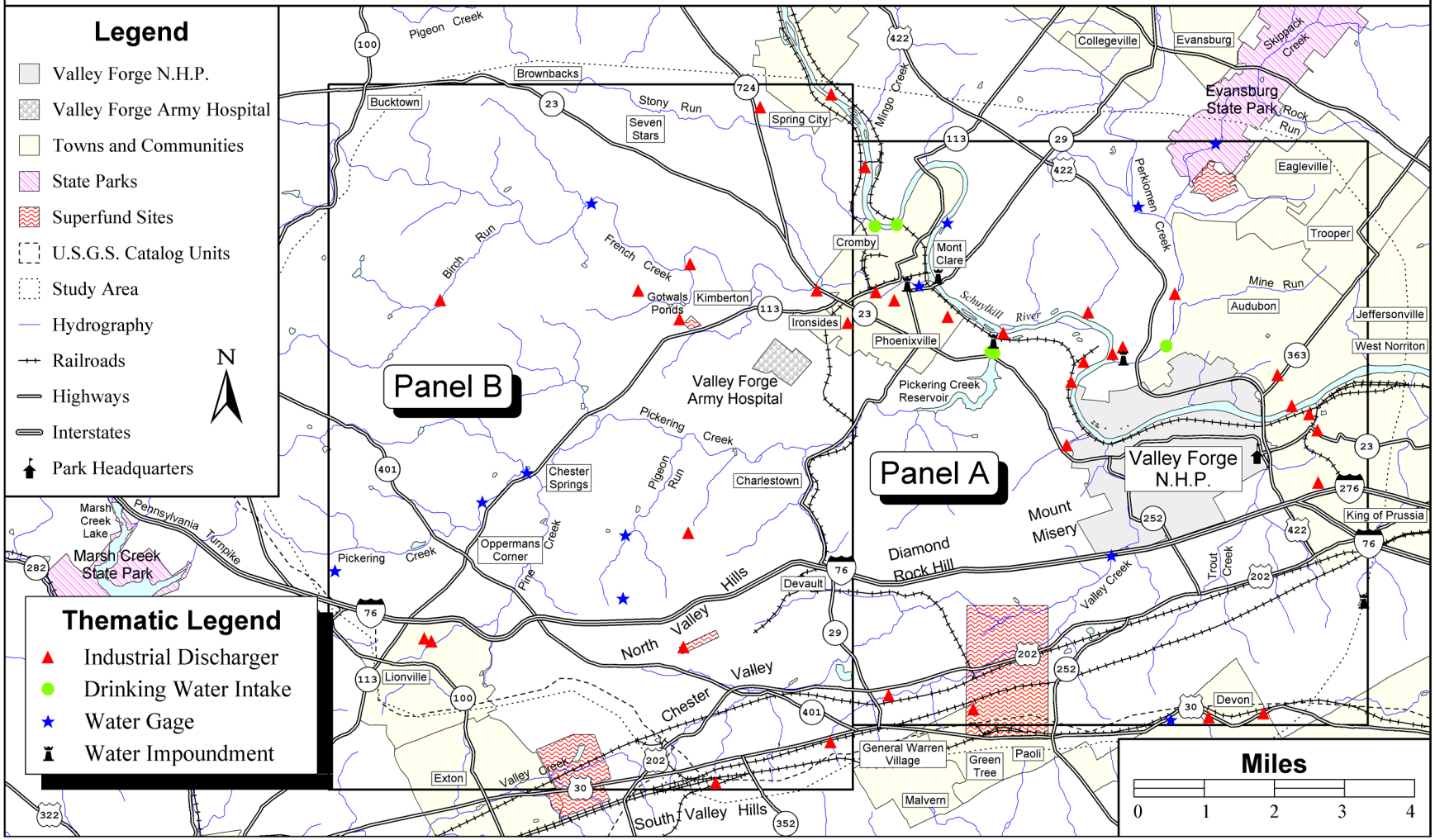
Water Quality Monitoring Locations



Valley Forge National Historical Park

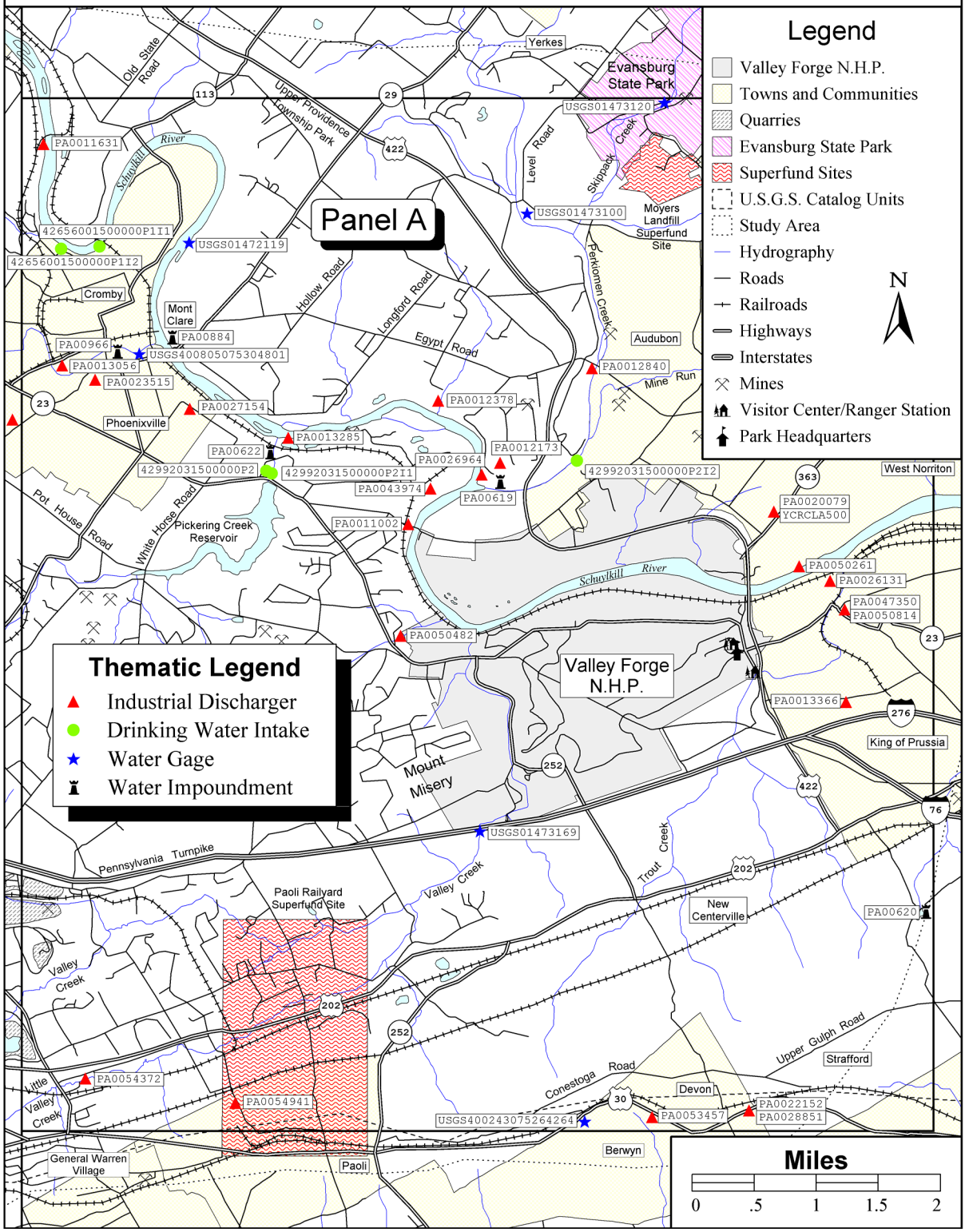
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



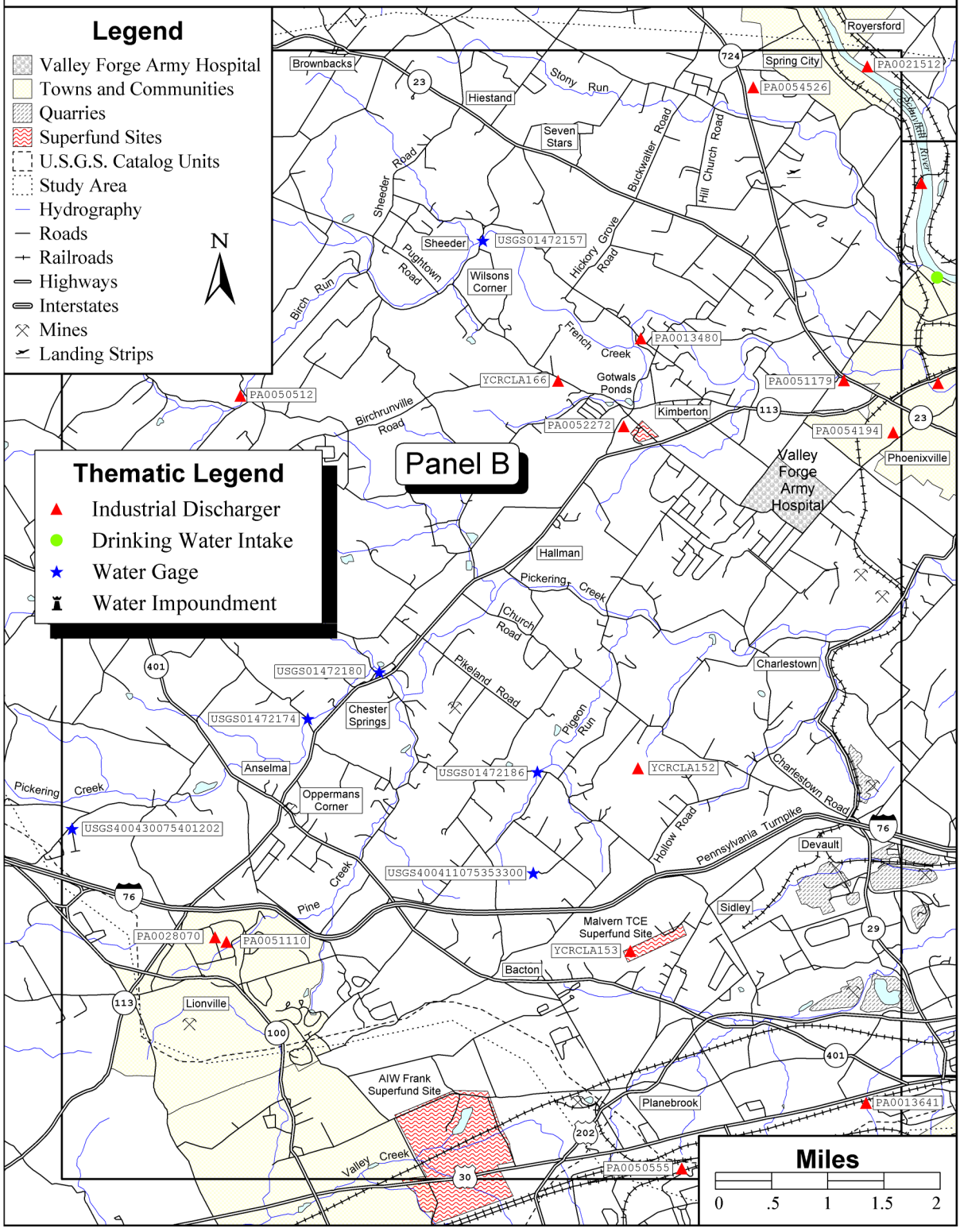
Valley Forge National Historical Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Valley Forge National Historical Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the VAFO Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
PA0011002	AMERICAN LACQUER SOLVENTS CO	P O BOX 271	VALLEY FORGE	SCHUYLKILL RVR
PA0011631	PHILA ELEC CROMBY	CROMBY GENERATING STATION	PHOENIXVILLE	SCHUYLKILL RVR
PA0012173	PENCO PROD INC	BROWER AVE	OAKS	SCHUYLKILL R
PA0012378	SYNTHANE TAYLOR CORP OAKS	HIGHLAND AVENUE	OAKS	CROSSMANS RUN
PA0012840	B F GOODRICH CO OAKS	.....	OAKS	PERKIOMEN CREEK
PA0013056	PSC PARTNERSHIP, L.P.	121 BRIDGE STREET	PHOENIXVILLE	FRENCH CK
PA0013285	PHILADELPHIA SUBURBAN WATER CO	762 LANCASTER AVE	BRYN MAWR	SCHUYLKILL RVR
PA0013366	G E VALLEY FORGE SPACE CTR 100	P.O. BOX 8555	PHILADELPHIA	NONE
PA0013480	ROBERTS PACKING COMPANY	.....	KIMBERTON	TR TO FRENCH C
PA0013641	BISHOP TUBE CO DIVISION	RT 30 & MALIN RD	FRAZER	LITTLE VALLEY CK.
PA0020079	ICI AMERICA INC VALLEY FORGE P	VALLEY FORGE INDUS PARK	LOWER PROVIDENCE TWP	TR TO SCHUYLKILL R
PA0021512	ROYERSFORD BORO	300 MAIN ST	ROYERSFORD	SCHUYLKILL RIVER
PA0022152	EASTTOWN MUNICIPAL AUTHORITY	.....	DEVON	TR TO DERIM C
PA0023515	VALLEY FORGE SEWER AUTHORITY V	.....	PHOENIXVILLE BORO	TR TO SCHUYLKILL R
PA0026131	UPPER MERION TWP. AUTH TROUT R	175 WEST VALLEY FORGE RD	KING OF PRUSSIA	TROUT CREEK
PA0026964	MONTGOMERY COUNTY SEWER AUTHOR	OAKS STP	NORRISTOWN	SCHUYLKILL R
PA0027154	PHOENIXVILLE BOROUGH STP	140 CHURCH ST	PHOENIXVILLE BORO	SCHUYLKILL R
PA0028070	UWCHLAN SANITATION DEPT. UWCHL	20 RUTGERS DR	LIONVILLE	TR OF VALLEY C
PA0028851	LADDERBACK ROAD(TEMPORARY) STP	.....	DEVON	TR TO SCHUYLKILL R
PA0043974	VALLEY FORGE SEWER AUTHORITY	READING RR & PAWLING RD	PHOENIXVILLE BORO	SCHUYLKILL R
PA0047350	ABRAMS DIESEL & CAR REPAIR SHO	850 W HENDERSON ROAD	KING OF PRUSSIA	CROW CREEK
PA0050261	SYNTHANE TAYLOR CORPORATION	.....	WEST NORRITON TWP	SCHUYLKILL R
PA0050482	FREEDOMS FOUNDATION AT VALLEY	RT 23	VALLEY FORGE	JUG HOLLOW C
PA0050512	BIRCHRUNVILLE GENERAL STORE	HOLLOW RD & FLOWING SPRIN	BIRCHRUNVILLE	BIRCH RN
PA0050555	IMMACULATA COLLEGE	.....	IMMACULATA	L VALLEY C
PA0050814	GENERAL ELECTRIC CO SPACE DIVI	.....	KING OF PRUSSIA	TROUT C
PA0051110	NETZSCH INC	119 PICKERING WAY	LIONVILLE	PINE C
PA0051179	JOHN R.HOLLINGSWORTH COMPANY	.....	SCHUYLKILL TWP	TR OF FRENCH C
PA0052272	MONSEY PRODUCTS COMPANY	P. O. BOX 368	KIMBERTON	UNN TRIB OF FRENCH CR
PA0053457	SUN REFINING & MARKETING COMPA	SUNOCO SERVICE STATION, R	BERWYN	UNT TO DARBY CREEK
PA0054194	WEST COMPANY, THE	WEST BRIDGE STREET	PHOENIXVILLE	
PA0054372	NATIONAL ROLLING MILLS, INC.	P.O. BOX 622	PAOLI	
PA0054526	INTERSTATE NUCLEAR SERVICES CO	NORTH THIRD STREET	ROYERSFORD	SCHUYLKILL RIVER
PA0054941	FORMAL AFFAIRS			UNT LITTLE VALLEY CREEK
YCRCLA152	STANLEY KESSLER		KING OF PRUSSIA	
YCRCLA153	MALVERN TCE SITE		MALVERN	
YCRCLA166	KIMBERTON		BOROUGH OF KIMBERTON	
YCRCLA500	HENDERSON ROAD SITE	372 S HENDERSON RD	UPPER MERION	

Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the VAFO Study Area

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
42656001500000P1I1	SCHUYLKILL RIVE	PHOENIXVILLE	20000	0000.00
42656001500000P1I2	SCHUYLKILL RIVER	PHOENIXVILLE	20000	0000.00
42992031500000P2	PICKERING CK TRT PT	BRYN MAWR	900000	0.00
42992031500000P2I1	PICKERING CREEK RES	BRYN MAWR	900000	0.00
42992031500000P2I2	PERKIOMEN CREEK	BRYN MAWR	900000	0.00

Water Gages

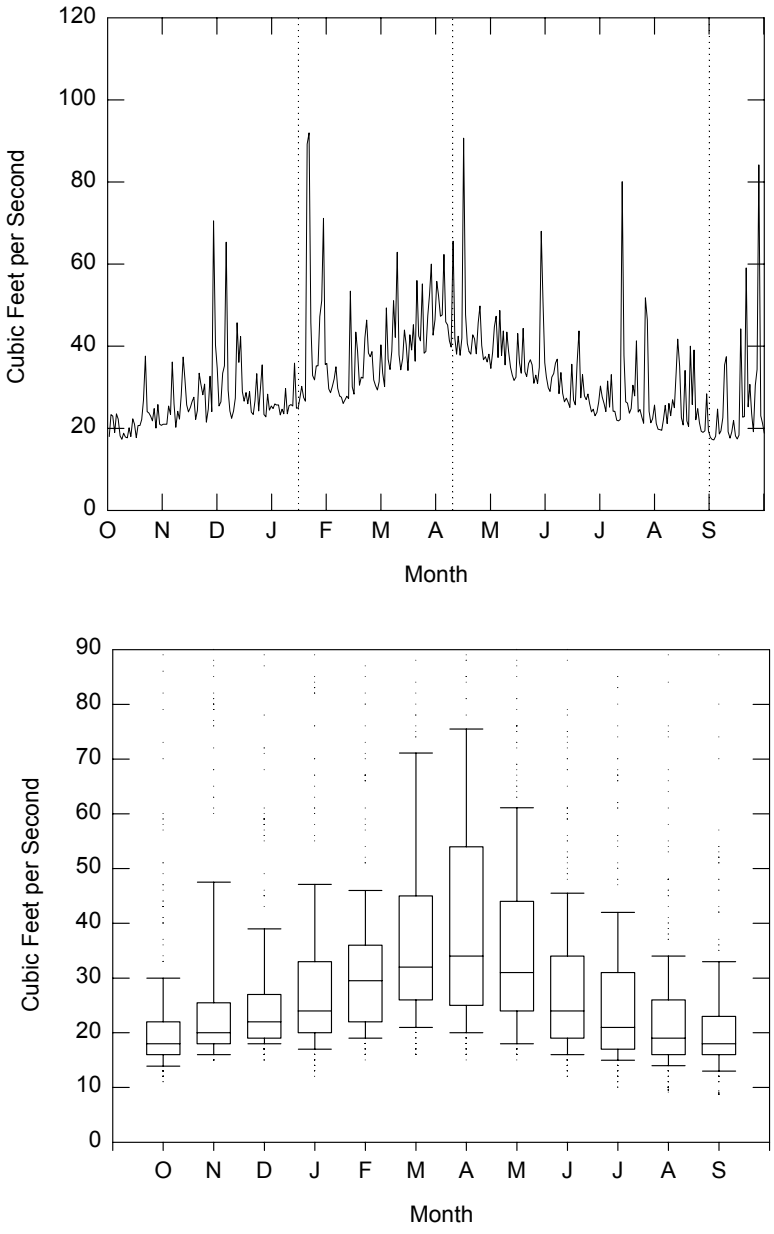
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS01472157	FRENCH CREEK NEAR PHOENIXVILLE, PA.	Stream	59.10	1968	2002
USGS01472174	PICKERING CREEK NEAR CHESTER SPRINGS, PA.	Stream	5.98	1967	1995
USGS01472180	PICKERING CREEK AT C	Stream	1110.00	1968	1968
USGS01472186	PIGEON RUN AT RAPPS CORNER, PA	Stream	1.06	1974	1978
USGS01473100	ZACHARIAS CREEK NEAR	Stream	7.27	1960	1980
USGS01473120	SKIPPACK CREEK NEAR COLLEGEVILLE, PA.	Stream	53.70	1966	1994
USGS01472119	SCHUYLKILL RIVER AT BLACK ROCK DAM AT MONT CLARE	Stream			
USGS01473169	VALLEY CREEK AT PA TURNPIKE BR NEAR VALLEY FORGE	Stream	20.80	1982	2002
USGS400805075304801	152	Well		1956	1982
USGS400243075264264	BERWYN FIRE CO RAIN GAGE, DARBY CREEK	Climate			
USGS400411075353300	ARMSTRONG, RAPPS CORNER, PA RG	Climate			
USGS400430075401202	DEWEES RAIN GAGE, PICKERING CREEK	Climate			

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
PA00619	OAKS DAM	B F GOODRICH	Supply	Gravity	Low	1950
PA00620	MARTINS DAM	MARTINS DAM CLUB	Rec.	Gravity	High	1886
PA00622	PICKERING CREEK DAM	PHILA SUBURBAN WATER CO	Supply	Buttress	High	1928
PA00884	BLACK ROCK RUN DAM	PHILADELPHIA ELECTRIC CO	Supply	Gravity	Low	1913
PA00966	PHOENIXVILLE DAM	PHOENIX IRON CO	Supply	Gravity	Significant	1917

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

VALLEY FORGE NATIONAL HISTORICAL PARK
Valley Creek at PA Turnpike, near Valley Forge, PA
01473169, 14 year record



Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Valley Forge National Historical Park are: Sep. 1 to Jan. 14, Jan. 15 to Apr. 10, and Apr. 11 to Aug. 31.

CONTACTS FOR AGENCY CODES RETRIEVED FOR VAFO

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
21PA	WENGERT, CARRIE	PENNSYLVANIA DPT ENV PROT	(717)772-5164	
11BIOACC	KRONER, STEVE	U.S. EPA MDSD	(202)260-4761	
21PENN	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
* DATA FOR 21PENN HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.				
11131DWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
11121XWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
PHILWDPT	AHARONI, AL	PHILADELPHIA WATER DEPT	(215)685-1423	
21PAFISH	WENGERT, CARRIE	PENNSYLVANIA DPT ENV PROT	(717)772-5164	

QUANTITY OF DATA RETRIEVED FOR VAFO BY AGENCY CODE

WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK

Agency	Organization	Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	/ Park Only	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park
11NPSWRD	NATIONAL PARK SERVICE	03/31/69-12/30/98	06/25/69-08/07/98	347	55	35	15	0	0	31030	7143	280	137
112WRD	US GEOLOGICAL SURVEY	09/25/26-11/06/96	09/25/26-05/09/95	69	11	16	1	3	0	18159	2336	309	209
21PA	PENNSYLVANIA DPT ENV PROT	11/21/72-12/03/98	11/21/72-12/03/98	16	2	3	1	4	0	9568	4704	206	163
11BIOACC	U.S. EPA MDSD	11/18/86-11/18/86	No Data in Park	1	0	0	0	0	0	63	0	63	0
21PENN	USEPA HQ	No Data in S.A.	No Data in Park	11	3	0	0	11	3	0	0	0	0
11131DWQ	USEPA REGION 3	06/07/72-04/23/81	06/07/72-04/23/81	11	1	0	0	1	0	1176	391	397	388
11121XWQ	USEPA REGION 3	06/11/86-06/11/86	No Data in Park	2	0	0	0	0	0	338	0	111	0
PHILWDPT	PHILADELPHIA WATER DEPT	No Data in S.A.	No Data in Park	2	0	0	0	2	0	0	0	0	0
21PAFISH	PENNSYLVANIA DPT ENV PROT	11/05/76-05/31/77	No Data in Park	2	0	0	0	0	0	22	0	8	0
Totals		09/25/26-12/30/98	09/25/26-12/03/98	461	72	54	17	21	3	60356	14574	875	636

[1]Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0001	SCHUYLKILL R AT TROUT CR NR VALLEY FORGE PA	No	31	0	31	0
VAFO0002	TROUT CREEK AT RT. 23 BRIDGE	No	6	6	0	0
VAFO0003	TROUT CR NR VALLEY FORGE PA	No	29	0	29	0
VAFO0004	TROOPER RD BRIDGE-OLD-BETZWOOD	No	0	0	0	0
VAFO0005	SCHUYLKILL R RTE 363 BR BETZWOOD	Yes	391	0	381	10
VAFO0006	BR L.R. 46064 NEAR VALLEY FORGE	Yes	0	0	0	0
VAFO0007	SCHUYLKILL RIVER AT PORT KENNEDY, PA	Yes	623	0	623	0
VAFO0008[1]	PORT KENNEDY RUN	Yes	151	151	0	0
VAFO0009	SCHUYLKILL RIVER AT BETZWOOD BOAT RAMP	Yes	49	49	0	0
VAFO0010	SCHUYLKILL RVR-NORRISTOWN POOL (BETZWOOD)	Yes	84	84	0	0
VAFO0011[1]	STATION 420 AT TROUT CREEK JUST NORTH OF I76	No	1005	786	219	0
VAFO0012	SCHUYLKILL R AT BETZWOOD UPSTREAM OF BOAT RAMP	Yes	49	49	0	0
VAFO0013	SCOTT'S SPRING	Yes	10	10	0	0
VAFO0014	SCHUYLKILL RIVER BELOW LAMB RUN	Yes	49	49	0	0
VAFO0015	LAMB RUN AT LOW WATER BRIDGE	Yes	5	5	0	0
VAFO0016[1]	LAMB RUN	Yes	215	215	0	0
VAFO0017	LAMB RUN AT VALLEY FORGE	Yes	92	92	0	0
VAFO0018	SCHUYLKILL RIVER ABOVE LAMB RUN	Yes	49	49	0	0
VAFO0019[1]	SKIPPACK CREEK NEAR COLLEGEVILLE, PA.	No	1272	0	360	912
VAFO0020	HUNTINGDON'S SPRING	Yes	48	48	0	0
VAFO0021	PERKIOMEN CR EGYPT RD BR AUDUBN	No	10	0	0	10
VAFO0022	SCHUYLKILL RIVER BELOW MYERS RUN AT VALLEY FORGE	Yes	94	94	0	0
VAFO0023	FATLANDS POND	Yes	18	18	0	0
VAFO0024[1]	MYERS RUN	Yes	117	117	0	0
VAFO0025	SCHUYLKILL RIVER ABOVE MYERS RUN AT VALLEY FORGE	Yes	93	93	0	0
VAFO0026	MYERS RUN AT VALLEY FORGE	Yes	97	97	0	0
VAFO0027[1]	FATLANDS SPRING	Yes	47	47	0	0
VAFO0028	PERKIOMEN CR AT OAKS, PA.	No	80	0	80	0
VAFO0029	AT BR ON EGYPT RD NEAR THE CONFL	No	0	0	0	0
VAFO0030	VARNUM'S SPRING	Yes	39	39	0	0
VAFO0031[1]	SKIPPACK CRK-20YDS DWN OLD ABUTMENT	No	1326	340	883	103
VAFO0032[1]	SKIPPACK CREEK AT ARCOLA, PA.	No	453	0	189	264
VAFO0033	SKIPPACK CREEK NEAR MOUTH (ARCOLA RD)	No	34	34	0	0
VAFO0034	WETLAND BELOW ST GABES AT VALLEY FORGE	Yes	91	91	0	0
VAFO0035[1]	FAWN RUN	Yes	148	148	0	0
VAFO0036	VALLEY CREEK AT MAXWELLS QTRS	Yes	1	1	0	0
VAFO0037	VALLEY CREEK BEHIND MAXWELL'S	Yes	62	62	0	0
VAFO0038	WASHINGTON'S SPRING	Yes	9	9	0	0
VAFO0039	MAXWELL'S SPRING	Yes	64	64	0	0
VAFO0040	VALLEY CREEK US FROM COVERED BRIDGE	Yes	22	22	0	0
VAFO0041	VALLEY CREEK DS FROM WILSON RD BRIDGE	Yes	5	5	0	0
VAFO0042	STATION 9 AT VALLEY CREEK	Yes	19	0	0	19
VAFO0043	VALLEY CREEK AT WILSON ROAD BRIDGE	Yes	13	13	0	0
VAFO0044	STATION 5 AT VALLEY CREEK	Yes	32	0	32	0
VAFO0045[1]	VALLEY CREEK AT WILSON ROAD BRIDGE	Yes	4620	3565	866	189
VAFO0046	STATION 9 AT VALLEY CREEK	Yes	29	0	29	0
VAFO0047	VALLEY FORGE NHP STREAM GAGE	Yes	349	349	0	0
VAFO0048	WQN 154 AT WILSON ROAD	Yes	253	253	0	0
VAFO0049	VALLEY CREEK NEAR LAFAYETTE'S QUARTERS	Yes	18	18	0	0
VAFO0050[1]	VALLEY CRK AT WILSON ROAD NEAR VALLEY FORGE, PA	Yes	881	0	389	492
VAFO0051	VALLEY CREEK AT FOOTBRIDGE ALONG RT. 252	Yes	13	13	0	0
VAFO0052	BR ON WILSON RD DWNSTM FR CONFLU	Yes	0	0	0	0
VAFO0053	VALLEY CREEK US FROM WILSON RD. BRIDGE	Yes	10	10	0	0
VAFO0054[1]	WALNUT HILL RUN	Yes	111	111	0	0
VAFO0055	WALNUT HILL SPRING	Yes	38	38	0	0
VAFO0056	VALLEY CREEK 200 M ABOVE THE HISTORICAL MILL DAM	Yes	6	6	0	0
VAFO0057	7TH POND IN BASIN AREA	Yes	7	7	0	0
VAFO0058	1ST POND IN BASIN AREA	Yes	7	7	0	0
VAFO0059	5TH POND IN BASIN AREA	Yes	7	7	0	0
VAFO0060	4TH POND IN BASIN AREA	Yes	7	7	0	0
VAFO0061	PAMN516R	No	13	0	13	0
VAFO0062	8TH POND IN BASIN AREA	Yes	7	7	0	0
VAFO0063	3RD POND IN BASIN AREA	Yes	7	7	0	0
VAFO0064	2ND POND IN BASIN AREA	Yes	7	7	0	0
VAFO0065	WASHINGTON'S HEADQUARTERS SPRING	Yes	65	65	0	0
VAFO0066	VALLEY CREEK UPSTREAM FROM TURNPIKE BRIDGE	No	24	24	0	0
VAFO0067	VALLEY CREEK AT PA TURNPIKE BR NEAR VALLEY FORGE	No	11	0	11	0
VAFO0068	SCHUYLKILL R AT OAKS PA	No	31	0	31	0
VAFO0069[1]	VALLEY CREEK DOWNSTREAM FROM TURNPIKE BRIDGE	Yes	208	208	0	0
VAFO0070	SCHUYLKILL R AT VALLEY FORGE PA	Yes	31	0	31	0
VAFO0071[1]	STIRLINGS SPRING	Yes	48	48	0	0

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0072	SCHUYLKILL RIVER UPSTREAM FROM VALLEY CREEK	Yes	2485	2485	0	0
VAFO0073[1]	VALLEY CREEK AT ROUTE 23 BRIDGE	Yes	233	233	0	0
VAFO0074[1]	STATION 437 AT VALLEY CREEK AT ROUTE 23	Yes	1063	757	306	0
VAFO0075	VALLEY CREEK DS FROM RT 23 BRIDGE	Yes	31	31	0	0
VAFO0076	VALLEY CREEK AT WASHINGTON'S HEADQUARTERS	Yes	134	66	44	24
VAFO0077	VALLEY CREEK 300 M ABOVE THE MOUTH	Yes	13	13	0	0
VAFO0078	AT CONFLUENCE W/ SCHUYLKILL RIVE	Yes	0	0	0	0
VAFO0079	VALLEY CR AT VALLEY FORGE, PA.	Yes	56	0	56	0
VAFO0080	STATION 11 AT VALLEY CREEK	Yes	19	0	0	19
VAFO0081[1]	STIRLINGS RUN	Yes	134	134	0	0
VAFO0082	AT BR ON L.R.46067 UPSTM FR CONF	No	0	0	0	0
VAFO0083	UPPER STIRLINGS SPRING	No	37	37	0	0
VAFO0084	SCHUYLKILL IMPOUNDING BASIN NO. 21	Yes	93	93	0	0
VAFO0085[1]	FISHERS RUN	Yes	148	148	0	0
VAFO0086	BR ON MILL RD UPSTM FR CONFLU W/	No	0	0	0	0
VAFO0087[1]	COLONIAL SPRING	Yes	85	85	0	0
VAFO0088	COLONIAL SPRINGS	Yes	222	222	0	0
VAFO0089	CRABBY CREEK AT WALNUT LANE	No	682	682	0	0
VAFO0090	SCHUYLKILL R PAWLING RD BR	No	10	0	0	10
VAFO0091	MEADOW GROVE SPRING	No	10	10	0	0
VAFO0092[1]	SMIC RUN	Yes	29	29	0	0
VAFO0093[1]	VALLEY FORGE VILLAGE RUN	Yes	129	129	0	0
VAFO0094	SCHUYLKILL RIVER AT NORRISTOWN POOL	No	228	228	0	0
VAFO0095	SCHUYLKILL RIVER AT PAWLINGS RD AT VALLEY FORGE	Yes	185	185	0	0
VAFO0096	LITTLE VALLEY CREEK NEAR MILL ROAD	No	132	66	42	24
VAFO0097	SCHUYLKILL R NEAR VALLEY FORGE, PA.	No	51	0	51	0
VAFO0098[1]	WELCH RUN	No	130	130	0	0
VAFO0099	LITTLE VALLEY CREEK STATION 7 (TOWNSHIP PARK)	No	4	4	0	0
VAFO0100[1]	STATION 446 AT LITTLE VALLEY CK AT MILL ROAD	No	828	725	55	48
VAFO0101	STATION 9 AT LITTLE VALLEY CREEK	No	22	0	0	22
VAFO0102	STATION 4D AT LITTLE VALLEY CREEK	No	32	0	32	0
VAFO0103	STATION 8 AT LITTLE VALLEY CREEK	No	19	0	0	19
VAFO0104	STATION 5 AT LITTLE VALLEY CREEK	No	28	0	28	0
VAFO0105	STATION 8 AT LITTLE VALLEY CREEK	No	29	0	29	0
VAFO0106[1]	STATION 434 AT VALLEY CREEK AT MILL ROAD BRIDGE	No	1126	758	305	63
VAFO0107	LITTLE VALLEY CREEK AT MILL ROAD BRIDGE	No	13	13	0	0
VAFO0108	LITTLE VALLEY CREEK UPSTREAM FROM MILL ROAD	No	1	1	0	0
VAFO0109	LITTLE VALLEY CREEK AT MILL ROAD	No	186	171	15	0
VAFO0110	STATION 5 AT LITTLE VALLEY CK AT MILL ROAD	No	80	0	80	0
VAFO0111[1]	VALLEY CREEK AT MILL ROAD BRIDGE	No	122	122	0	0
VAFO0112	VALLEY CREEK AT MILL ROAD BRIDGE	No	13	13	0	0
VAFO0113	VALLEY CREEK AT MILL ROAD	No	156	156	0	0
VAFO0114	LITTLE VALLEY CREEK AT HOWELLVILLE; PA	No	51	0	51	0
VAFO0115[1]	LITTLE VALLEY CREEK AT HOWELLVILLE, PA.	No	1084	383	553	148
VAFO0116[1]	LITTLE VALLEY CK AT MILL RD TOWNSHIP PARK	No	112	112	0	0
VAFO0117	LITTLE VALLEY CREEK @ PAOLI	No	63	63	0	0
VAFO0118	VALLEY CREEK UPSTREAM FROM MILL ROAD BRIDGE	No	1	1	0	0
VAFO0119	STATION 4 AT VALLEY CREEK	No	32	0	32	0
VAFO0120	STATION 5 AT VALLEY CREEK	No	19	0	0	19
VAFO0121	STATION 4 AT VALLEY CREEK	No	30	0	30	0
VAFO0122	STATION 10 AT VALLEY CREEK	No	22	0	0	22
VAFO0123[1]	VALLEY CREEK NEAR VALLEY FORGE, PA.	No	928	417	361	150
VAFO0124	VALLEY CREEK NEAR VALLEY FORGE; PA	No	70	0	70	0
VAFO0125	LITTLE VALLEY CK US FROM CRABBY CK	No	8	8	0	0
VAFO0126	SPRING AT LEBOUTILLIER ROAD	No	682	682	0	0
VAFO0127	PHILA SUBURB WATER/PICKER CR STATION/SPRING S	No	0	0	0	0
VAFO0128	LITTLE VALLEY CREEK STATION 6 (N. VALLEY RD)	No	4	4	0	0
VAFO0129	LITTLE VALLEY CK AT WESSEL'S PROPERTY	No	7	7	0	0
VAFO0130	LITTLE VALLEY CK US OF N. VALLEY RD.	No	46	46	0	0
VAFO0131	VALLEY CREEK AT NORTH VALLEY ROAD	No	21	0	21	0
VAFO0132[1]	STATION 396 AT PICKERING CK BELOW PUMPING PLANT	No	1223	741	238	244
VAFO0133[1]	STATION 402 AT PICKERING CK ABOVE PUMPING PLANT	No	1020	782	238	0
VAFO0134	DWNSTM FM PICKERING CREEK RESERV	No	0	0	0	0
VAFO0135	SCHUYLKILL R AT PT PROVIDENCE NR PHOENIXVILLE PA	No	31	0	31	0
VAFO0136	PICKERING CR RTE 23 BR PHNXVILLE	No	0	0	0	0
VAFO0137	STATION 4C AT LITTLE VALLEY CREEK	No	32	0	32	0
VAFO0138	SCHUYLKILL RIVER BELOW PHOENIXVILLE	No	13	0	13	0
VAFO0139	LITTLE VALLEY CREEK STATION 5 (CEDAR HOLLOW RD)	No	4	4	0	0
VAFO0140	PHOENIXVILLE STP 12	No	10	0	0	10
VAFO0141	16	No	52	0	0	52
VAFO0142	JAMES H SIMON JR	No	60	60	0	0

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0143	SCHUYLKILL RIVER AT BLACK ROCK POOL	No	9	0	9	0
VAFO0144	STATION 4 AT LITTLE VALLEY CREEK	No	29	0	29	0
VAFO0145	STATION 7 AT LITTLE VALLEY CREEK	No	29	0	29	0
VAFO0146	STATION 12 AT LITTLE VALLEY CREEK	No	14	14	0	0
VAFO0147	SCHUYLKILL R RTE 29 BR PHOENIXVL	No	10	0	0	10
VAFO0148	RT 29 BR AT PHOENIXVILLE, SCHUYL	No	0	0	0	0
VAFO0149	SCHUYLKILL R AT BL ROCK POOL NR PHOENIXVILLE PA.	No	80	0	80	0
VAFO0150	STATION 7 AT LITTLE VALLEY CREEK	No	19	0	0	19
VAFO0151	STATION 11 AT UNNAMED TRIBUTARY	No	14	14	0	0
VAFO0152	STATION 10 AT LITTLE VALLEY CREEK	No	20	20	0	0
VAFO0153	FRENCH CR BR NEAR CONFL W/ SCHUY	No	10	0	0	10
VAFO0154	STATION 14 AT LITTLE VALLEY CREEK	No	20	20	0	0
VAFO0155[1]	FRENCH CREEK AT RAILROAD BRIDGE AT PHOENIXVILLE,	No	1034	396	421	217
VAFO0156	FRENCH CREEK AT RR TRESTLE IN PHOENIXVILLE	No	34	34	0	0
VAFO0157	FRENCH CREEK AT MOUTH (TRIB. TO SCHUYLKILL R)	No	33	33	0	0
VAFO0158	SCHUYLKILL RIVER AT PHOENIXVILLE, PA	No	38	0	38	0
VAFO0159	SCHUYLKILL R. AT RT 113 ABOVE PHOENIXVILLE	No	379	0	379	0
VAFO0160	STATION 9 AT LITTLE VALLEY CREEK	No	50	50	0	0
VAFO0161	STATION 6 AT LITTLE VALLEY CREEK	No	20	20	0	0
VAFO0162	STATION 13 AT SPRING TO LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0163	STATION 7 AT SPRING TO LITTLE VALLEY CREEK	No	57	57	0	0
VAFO0164	RT-113 BRIDGE-PHOENIXVILLE	No	0	0	0	0
VAFO0165	STATION 8 AT LITTLE VALLEY CREEK TRIBUTARY	No	20	20	0	0
VAFO0166	LITTLE VALLEY CREEK STATION 4	No	4	4	0	0
VAFO0167	STATION 5 AT LITTLE VALLEY CREEK	No	87	87	0	0
VAFO0168	FRENCH CREEK AT MAIN STREET ROAD CROSSING	No	16	16	0	0
VAFO0169	LITTLE VALLEY CK AT NATIONAL ROLLING MILLS	No	50	50	0	0
VAFO0170	STATION 12 AT LITTLE VALLEY CREEK	No	40	40	0	0
VAFO0171	STATION 4B AT LITTLE VALLEY CREEK	No	32	0	32	0
VAFO0172	BIG VALLEY CREEK	No	155	155	0	0
VAFO0173	FRENCH CK 100 FT DOWNSTREAM OF RTE 29 BRIDGE	No	63	0	0	63
VAFO0174	1000 FT DS OF WARNER COMPANY DISCHARGE STREAM	No	43	0	43	0
VAFO0175	FRENCH CR AT MAIN ST. BRDG. AT PHOENIXVILLE, PA.	No	323	0	323	0
VAFO0176	STATION 3 AT VALLEY CREEK	No	28	0	28	0
VAFO0177	VALLEY CREEK UPSTREAM OF WARNER CO. DISCHARGE	No	16	16	0	0
VAFO0178	VALLEY CREEK UPSTREAM OF CEDAR HOLLOW CREEK	No	120	120	0	0
VAFO0179	VALLEY CREEK US OF CEDAR HOLLOW CREEK	No	3	3	0	0
VAFO0180	VALLEY CREEK DOWNSTREAM OF WARNER CO. DISCHARGE	No	16	16	0	0
VAFO0181	VALLEY CREEK DOWNSTREAM FROM CEDAR HOLLOW CREEK	No	119	119	0	0
VAFO0182	CEDAR HOLLOW CREEK	No	120	120	0	0
VAFO0183	MOUTH OF WARNER COMPANY DISCHARGE	No	16	16	0	0
VAFO0184	STATION 11 AT LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0185	VALLEY CREEK AT CHURCH ROAD BRIDGE	No	13	0	13	0
VAFO0186	VALLEY CREEK AT CHURCH ROAD	No	6	6	0	0
VAFO0187	WARNER COMPANY DISCHARGE AT CHURCH ROAD	No	148	148	0	0
VAFO0188	(01473161) VALLEY CR AT CHURCH RD; CEDAR HOLLOW	No	11	11	0	0
VAFO0189	STATION 3 AT UNNAMED TRIBUTARY	No	37	37	0	0
VAFO0190	VALLEY CREEK AT CHURCH ROAD	No	38	0	38	0
VAFO0191	VALLEY CREEK AT CHURCH ROAD	No	3	3	0	0
VAFO0192	VALLEY CREEK AT CHURCH ROAD	No	1	1	0	0
VAFO0193	VALLEY CREEK NEAR CHURCH ROAD	No	139	65	46	28
VAFO0194	VALLEY CREEK AT CHURCH ROAD	No	5	0	5	0
VAFO0195	STATION 10 AT LITTLE VALLEY CREEK	No	20	20	0	0
VAFO0196	VALLEY CREEK AT CHURCH ROAD	No	21	0	21	0
VAFO0197[1]	VALLEY CREEK AT CHURCH ROAD	No	122	122	0	0
VAFO0198	DISCHARGE BELOW WARNER COMPANY SETTLING POND	No	16	16	0	0
VAFO0199	STATION 9 AT LITTLE VALLEY CREEK	No	20	20	0	0
VAFO0200	STATION 2 AT LITTLE VALLEY CREEK	No	37	37	0	0
VAFO0201	STATION 4 AT LITTLE VALLEY CREEK	No	27	27	0	0
VAFO0202	TRIBUTARY TO VALLEY CREEK	No	53	28	25	0
VAFO0203	WARNER QUARRY BELOW SETTLING POND	No	60	36	24	0
VAFO0204	CEDAR HOLLOW CREEK	No	48	5	43	0
VAFO0205	STATION 1 AT LITTLE VALLEY CREEK	No	14	14	0	0
VAFO0206	LITTLE VALLEY CREEK STATION 3 (AT 84 LUMBER)	No	4	4	0	0
VAFO0207	SCHUYLKILL R. AT PHOENIXVILLE WATER PLANT	No	129	0	129	0
VAFO0208	SOUTH SPRING UPSTREAM OF 84 LUMBER DRIVEWAY	No	96	96	0	0
VAFO0209	STATION 4A AT LITTLE VALLEY CREEK	No	32	0	32	0
VAFO0210	STATION 8 AT LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0211	STATION 7 AT SPRING TO LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0212	WARNER QUARRY DISCHARGE	No	38	38	0	0
VAFO0213	STATION 2 AT MOUTH OF SPRING SEEP	No	37	37	0	0

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0214	STATION 1 ON UNNAMED TRIB TO LITTLE VALLEY CREEK	No	37	37	0	0
VAFO0215	STATION 3 ON UNNAMED TRIB TO LITTLE VALLEY CREEK	No	37	37	0	0
VAFO0216	LITTLE VALLEY CREEK AT STATE ROUTE 29	No	38	0	38	0
VAFO0217	UNNAMED TRIBUTARY STATION 2 (US OF RT 29)	No	4	4	0	0
VAFO0218	STATION 5 AT UNNAMED TRIBUTARY	No	28	0	28	0
VAFO0219	STATION 6 AT LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0220[1]	STATION 440 AT LITTLE VALLEY CK AT MOREHALL RD	No	1089	783	306	0
VAFO0221	CEDAR HOLLOW QUARRY DISCHARGE	No	28	28	0	0
VAFO0222	STATION 6 AT LITTLE VALLEY CREEK	No	29	0	29	0
VAFO0223	LITTLE VALLEY CREEK STATION 1 (US OF RT 29)	No	4	4	0	0
VAFO0224	STATION 5 AT LITTLE VALLEY CREEK	No	20	20	0	0
VAFO0225	VALLEY CK APPROX 1961 FT DS OF THE RT 29 BRIDGE	No	53	53	0	0
VAFO0226	AT CONFLU W/ SCHUYLKILL RIVER	No	0	0	0	0
VAFO0227	SCHUYLKILL RIVER IN BLACK ROCK POOL	No	102	102	0	0
VAFO0228	RT 113 DWNSTM FM CROMBY, SCHUYL	No	0	0	0	0
VAFO0229	SCHUYLKILL R AT RT 113 DS FR CROMBY, SCHUYLKILL	No	217	0	0	217
VAFO0230	VALLEY CK APPROX 1451 FT DS OF THE RT 29 BRIDGE	No	52	52	0	0
VAFO0231	AT YMCA CAMPGROUND OFF L.R.15035	No	0	0	0	0
VAFO0232[1]	PICKERING CREEK NEAR PHOENIXVILLE, PA.	No	941	322	355	264
VAFO0233	PICKERING CREEK NEAR PHOENIXVILLE; PA	No	162	0	43	119
VAFO0234	(01473160) VALLEY CREEK NEAR DEVAULT	No	11	11	0	0
VAFO0235	VALLEY CK APPROX 987 FT DS OF THE RT 29 BRIDGE	No	52	52	0	0
VAFO0236	SPRING FROM WETLAND DS OF RT 29 BRIDGE	No	3	3	0	0
VAFO0237	PICKERING CK ALONG RT 29 NEAR PICKERING HOUSE	No	67	67	0	0
VAFO0238	STATION 21 AT VALLEY CREEK	No	32	32	0	0
VAFO0239	WARNER QUARRY WATERFALL	No	38	38	0	0
VAFO0240	WARNER QUARRY FLOOR	No	38	38	0	0
VAFO0241	VALLEY CK APPROX 630 FT DS OF THE RT 29 BRIDGE	No	56	56	0	0
VAFO0242	STATION 20 AT SPRING TO VALLEY CREEK	No	33	33	0	0
VAFO0243[1]	VALLEY CREEK AT TOWNSHIP PARK	No	119	119	0	0
VAFO0244	(01473159) VALLEY CR BELOW RT 29 AT VALLEY STORE	No	38	38	0	0
VAFO0245	NORTH SPRING AT TOWNSHIP PARK	No	683	683	0	0
VAFO0246	GROUND WATER DISCHARGE TO VALLEY CR DS OF RT 29	No	9	9	0	0
VAFO0247	VALLEY CK APPROX 395 FT DS OF THE RT 29 BRIDGE	No	53	53	0	0
VAFO0248[1]	STATION 19 AT VALLEY CREEK	No	122	122	0	0
VAFO0249	VALLEY CREEK AT RT. 29 BRIDGE	No	19	19	0	0
VAFO0250	SOUTH SPRING AT TOWNSHIP PARK	No	96	96	0	0
VAFO0251	STATION 3 AT VALLEY CREEK	No	31	0	31	0
VAFO0252	VALLEY CREEK	No	3	0	3	0
VAFO0253	VALLEY CK APPROX 100 FT DOWNSTREAM OF ROUTE 29	No	81	81	0	0
VAFO0254	VALLEY CREEK PARK OFF PENNSYLVANIA ROUTE 29	No	43	0	43	0
VAFO0255[1]	STATION 18 AT VALLEY CREEK	No	189	189	0	0
VAFO0256	STATION 16 AT SPRING TO VALLEY CREEK	No	119	119	0	0
VAFO0257	STATION 3 AT VALLEY CREEK	No	30	0	30	0
VAFO0258	STATION 9 AT PIPED SPRING TO VALLEY CREEK	No	83	83	0	0
VAFO0259	STATION 12 AT PIPED SPRING TO VALLEY CREEK	No	136	136	0	0
VAFO0260	STATION 8 AT SPRING TO VALLEY CREEK	No	83	83	0	0
VAFO0261	VALLEY CK RT 29 LFT MID PIPE 6 FT AWAY FROM WALL	No	1	1	0	0
VAFO0262	VALLEY CK AT ROUTE 29 LEFTMOST UPSTREAM PIPE	No	1	1	0	0
VAFO0263	VALLEY CK APPROX 94 FT US OF THE ROUTE 29 BRIDGE	No	74	74	0	0
VAFO0264	VALLEY CK RT 29 LFT MIDDLE PIPE 8 INCHES AWAY	No	1	1	0	0
VAFO0265	STATION 10 AT PIPED SPRING TO VALLEY CREEK	No	206	206	0	0
VAFO0266	STATION 11 AT PIPED SPRING TO VALLEY CREEK	No	83	83	0	0
VAFO0267	STATION 17 AT VALLEY CREEK	No	151	151	0	0
VAFO0268	STATION 15 AT VALLEY CREEK	No	158	158	0	0
VAFO0269[1]	STATION 378 AT FRENCH CREEK	No	967	746	221	0
VAFO0270	VALLEY CK RT 29 LEFTMOST US PIPE 8 INCHES AWAY	No	1	1	0	0
VAFO0271	VALLEY CK APPROX 30 FT DS OF THE RT 29 BRIDGE	No	55	55	0	0
VAFO0272	VALLEY CK APPROX 1 FT DS OF RT 29 BOX CULVERT	No	57	57	0	0
VAFO0273	VALLEY CK AT RT 29 LEFTMOST US PIPE 6 FT AWAY	No	1	1	0	0
VAFO0274	STATION 14 AT PIPED SPRING TO VALLEY CREEK	No	83	83	0	0
VAFO0275[1]	STATION 13 AT PIPED SPRING TO VALLEY CREEK	No	151	151	0	0
VAFO0276	VALLEY CREEK AT PA RT 29 BRIDGE	No	3	0	3	0
VAFO0277	LEFT MIDDLE PIPE AT VALLEY CK AT RT 29 BRIDGE	No	1	1	0	0
VAFO0278[1]	STATION 431 AT VALLEY CREEK AT MOREHALL RD	No	1095	783	303	9
VAFO0279	STATION 4 AT SPRING TO VALLEY CREEK	No	31	31	0	0
VAFO0280[1]	VALLEY CREEK AT MOREHALL ROAD	No	126	126	0	0
VAFO0281	STATION 7 AT SPRING TO VALLEY CREEK	No	33	33	0	0
VAFO0282[1]	STATION 5 AT VALLEY CREEK	No	243	243	0	0
VAFO0283	VALLEY CK APPROX 160 FT US OF THE RT 29 BRIDGE	No	27	27	0	0
VAFO0284	(01473158) VALLEY CR ABOVE RT 29 AT VALLEY STORE	No	38	38	0	0

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0285	VALLEY CK APPROX 90 FT DS OF OLD MOREHALL BRIDGE	No	4	4	0	0
VAFO0286	SPRING ON LEFT DS OF OLD MOREHALL RD BRIDGE	No	4	4	0	0
VAFO0287	STATION 4A AT VALLEY CREEK	No	68	68	0	0
VAFO0288	CEDAR HOLLOW QUARRY NORTH	No	31	31	0	0
VAFO0289	VALLEY CK 5 FT DS OF OLD MOREHALL RD BRIDGE	No	12	12	0	0
VAFO0290	STATION 3 AT SPRING TO VALLEY CREEK	No	33	33	0	0
VAFO0291	VALLEY CREEK AT OLD MOREHALL ROAD BRIDGE	No	3	3	0	0
VAFO0292	VALLEY CREEK AT OLD MOREHALL RD.	No	19	19	0	0
VAFO0293	VALLEY CK APPROX 100 FT US OLD MOREHALL RD BRG	No	1	1	0	0
VAFO0294	VALLEY CREEK AT OLD MOREHALL ROAD BRIDGE	No	3	3	0	0
VAFO0295	STATION 6 AT SPRING TO VALLEY CREEK	No	32	32	0	0
VAFO0296	STATION 36 AT VALLEY CREEK	No	13	13	0	0
VAFO0297	VALLEY CK 20 FT US OF THE OLD MOREHALL RD BRIDGE	No	11	11	0	0
VAFO0298	(01473157) VALLEY CREEK AT VALLEY STORE	No	11	11	0	0
VAFO0299	VALLEY CK 200 FT US OF OLD MOREHALL RD BRIDGE	No	3	3	0	0
VAFO0300	STATION 2 AT VALLEY CREEK	No	28	0	28	0
VAFO0301	CEDAR HOLLOW QUARRY SOUTH	No	31	31	0	0
VAFO0302	VALLEY CK APPROX 500 FT US OF OLD MOREHALL BRG	No	4	4	0	0
VAFO0303	STATION 8 AT LITTLE VALLEY CREEK	No	23	0	0	23
VAFO0304	STATION 6 AT LITTLE VALLEY CREEK	No	19	0	0	19
VAFO0305	STATION 3 AT LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0306	STATION 2 AT VALLEY CREEK	No	33	33	0	0
VAFO0307	STATION 1 AT UNNAMED TRIBUTARY	No	33	33	0	0
VAFO0308	DOWNSTREAM FROM KNICKERBOCKER LANDFILL	No	29	5	9	15
VAFO0309	STATION 4 AT LITTLE VALLEY CREEK UNNAMED TRIB	No	10	10	0	0
VAFO0310	HEADWATER TRIB OF LITTLE VALLEY CREEK	No	36	0	13	23
VAFO0311	STATION 1 AT LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0312	STATION 2 AT LITTLE VALLEY CREEK	No	10	10	0	0
VAFO0313	STATION 35 AT VALLEY CREEK	No	13	13	0	0
VAFO0314	VALLEY CR NR DEVAULT PA	No	31	0	31	0
VAFO0315	UPSTREAM FROM KNICKERBOCKER LANDFILL	No	29	5	9	15
VAFO0316	UNNAMED TRIBUTARY TO FRENCH CK AT PA ROUTE 113	No	34	34	0	0
VAFO0317	CATANACH QUARRY DISCHARGE	No	28	28	0	0
VAFO0318	GLASGOW QUARRY #3	No	40	40	0	0
VAFO0319	FRENCH CR RTE 23 BR NEAR PHNXVIL	No	10	0	0	10
VAFO0320	FRENCH CR AT NUTT RD NR PHOENIXVILLE	No	29	0	29	0
VAFO0321	CATANACH QUARRY SOUTH	No	28	28	0	0
VAFO0322	(01473156) VALLEY CREEK NEAR VALLEY STORE	No	11	11	0	0
VAFO0323	CATANACH QUARRY NORTH	No	28	28	0	0
VAFO0324	STONY RUN AT SPRING CITY; PA	No	94	0	37	57
VAFO0325[1]	STONY RUN AT SPRING CITY, PA.	No	481	0	268	213
VAFO0326	STATION 9 AT VALLEY CREEK	No	13	13	0	0
VAFO0327	STATION 1 AT VALLEY CREEK	No	29	0	29	0
VAFO0328	(01473155) VALLEY CREEK AT RT 202 AT MILL LANE	No	11	11	0	0
VAFO0329	VALLEY CREEK AT RT 401	No	26	0	26	0
VAFO0330	U.S. ROUTE 202 BRIDGE	No	36	36	0	0
VAFO0331	STATION 34 AT VALLEY CREEK	No	39	39	0	0
VAFO0332	STATION 33 AT VALLEY CREEK	No	26	26	0	0
VAFO0333	MILL LANE BRIDGE OVER VALLEY CREEK	No	44	0	44	0
VAFO0334	STATION 2 AT VALLEY CREEK	No	32	0	32	0
VAFO0335	STATION 2 AT VALLEY CREEK	No	30	0	30	0
VAFO0336	STATION 8 AT VALLEY CREEK	No	13	13	0	0
VAFO0337	STATION 19 AT VALLEY CREEK UNNAMED TRIBUTARY	No	13	13	0	0
VAFO0338	(01473154) VALLEY CREEK AT MILL LANE	No	11	11	0	0
VAFO0339[1]	VALLEY CREEK AT MILL LANE	No	165	21	144	0
VAFO0340	STATION 4 AT VALLEY CREEK	No	24	0	0	24
VAFO0341	STATION 4 AT VALLEY CREEK	No	18	0	0	18
VAFO0342	VALLEY CREEK AT MILL LANE	No	10	10	0	0
VAFO0343	MILL LANE BRIDGE	No	73	73	0	0
VAFO0344	VALLEY CREEK JUST DOWNSTREAM OF MILL LANE	No	3	3	0	0
VAFO0345	VALLEY CREEK AT MILL LANE AT UPSTREAM FOOTBRIDGE	No	4	4	0	0
VAFO0346[1]	PICKERING CR AT CHARLESTOWN RD BR AT CHARLESTOWN	No	979	346	411	222
VAFO0347	VALLEY CREEK AT THE MILL LANE BRIDGE	No	6	6	0	0
VAFO0348	PICKERING CREEK AT CHARLESTOWN ROAD BRIDGE	No	34	0	33	1
VAFO0349	STATION 2 ON VALLEY CREEK	No	36	36	0	0
VAFO0350	STATION 32 AT VALLEY CREEK	No	30	30	0	0
VAFO0351	STATION 22 AT VALLEY CREEK	No	39	39	0	0
VAFO0352	PICKERING CREEK AT CHARLESTOWN ROAD	No	6	6	0	0
VAFO0353	STATION 32 AT VALLEY CREEK	No	39	39	0	0
VAFO0354	STATION 21 AT VALLEY CREEK	No	13	13	0	0
VAFO0355	VALLEY CREEK JUST UPSTREAM OF MILL LANE	No	3	3	0	0

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0356	STATION 31 AT VALLEY CREEK	No	39	39	0	0
VAFO0357	VALLEY CR ABOVE MILL LANE	No	9	9	0	0
VAFO0358	STATION 30 AT VALLEY CREEK	No	26	26	0	0
VAFO0359	STATION 29 AT VALLEY CREEK	No	13	13	0	0
VAFO0360	SEEP 2 NEAR VALLEY CREEK	No	36	36	0	0
VAFO0361	STATION 20 AT UNNAMED TRIB TO VALLEY CREEK	No	29	29	0	0
VAFO0362	STATION 28 AT VALLEY CREEK	No	26	26	0	0
VAFO0363	STATION 1 AT VALLEY CREEK	No	29	0	29	0
VAFO0364	STATION 3 AT VALLEY CREEK	No	17	0	0	17
VAFO0365	STATION 27 AT VALLEY CREEK	No	13	13	0	0
VAFO0366	STATION 1 AT VALLEY CREEK	No	32	0	32	0
VAFO0367	STATION 25 AT VALLEY CREEK	No	13	13	0	0
VAFO0368	STATION 26 AT VALLEY CREEK	No	26	26	0	0
VAFO0369	SEEP 1 NEAR VALLEY CREEK	No	36	36	0	0
VAFO0370	VALLEY CR BELOW CONFL WITH UNNAMED TRIB	No	9	9	0	0
VAFO0371	STATION 20 AT VALLEY CREEK UNNAMED TRIBUTARY	No	13	13	0	0
VAFO0372	STATION 24 AT VALLEY CREEK	No	13	13	0	0
VAFO0373	STATION 18 AT VALLEY CREEK UNNAMED TRIBUTARY	No	13	13	0	0
VAFO0374	STATION 1 ON VALLEY CREEK	No	36	36	0	0
VAFO0375	STATION 5 AT UNNAMED TRIBUTARY	No	24	0	0	24
VAFO0376	UNNAMED TRIB TO VALLEY CR BELOW RT 401	No	11	11	0	0
VAFO0377	STATION 23 AT VALLEY CREEK	No	13	13	0	0
VAFO0378	VALLEY CREEK TRIB AT RT 401	No	13	0	13	0
VAFO0379	STATION 2 AT UNNAMED TRIBUTARY	No	15	0	0	15
VAFO0380	STATION 17 AT VALLEY CREEK	No	13	13	0	0
VAFO0381	VALLEY CR BELOW RT 202 (LITHIUM SITE 1)	No	11	11	0	0
VAFO0382	STATION 5 AT VALLEY CREEK UNNAMED TRIBUTARY	No	26	26	0	0
VAFO0383	STATION 6 AT VALLEY CREEK UNNAMED TRIBUTARY	No	13	13	0	0
VAFO0384	STATION 16 AT VALLEY CREEK	No	13	13	0	0
VAFO0385	VALLEY CREEK TRIB AT CHES VAL GOLF COURSE	No	13	0	13	0
VAFO0386	STATION 7 AT UNNAMED TRIBUTARY	No	24	0	0	24
VAFO0387	(01473153) UNNAMED TRIB TO VALLEY CR NEAR FRAZER	No	11	11	0	0
VAFO0388	STATION 2 AT VALLEY CREEK AT CHURCH ROAD	No	37	37	0	0
VAFO0389	SP- 48	No	69	69	0	0
VAFO0390	STATION 15 AT VALLEY CREEK	No	13	13	0	0
VAFO0391	HEADWATER TRIB AT CHESTER VALLEY GOLF CLUB	No	36	0	13	23
VAFO0392	VALLEY CREEK TRIB AT CHURCH RD AND RR BRIDGE	No	11	0	11	0
VAFO0393	STATION 7 AT VALLEY CREEK	No	26	26	0	0
VAFO0394	STATION 6 AT UNNAMED TRIBUTARY	No	24	0	0	24
VAFO0395	STATION 3 AT UNNAMED TRIB TO VALLEY CREEK	No	37	37	0	0
VAFO0396	VALLEY CREEK AT MOORES ROAD	No	13	13	0	0
VAFO0397	PACH537R	No	12	0	12	0
VAFO0398	STATION 3 AT VALLEY CREEK	No	24	0	0	24
VAFO0399	STATION 14 AT VALLEY CREEK	No	13	13	0	0
VAFO0400	IMMACULATA COLLEGE STP DISCHARGE	No	17	17	0	0
VAFO0401	STATION 2 AT UNNAMED TRIBUTARY	No	18	18	0	0
VAFO0402	STATION 3 AT VALLEY CREEK UNNAMED TRIBUTARY	No	13	13	0	0
VAFO0403	STATION 1 AT UNNAMED TRIBUTARY	No	18	18	0	0
VAFO0404	IMMACULATA TRIBUTARY	No	680	680	0	0
VAFO0405	STATION 4 AT VALLEY CREEK	No	13	13	0	0
VAFO0406	FRENCH CREEK AT HARES HILL ROAD (SR1045)	No	34	34	0	0
VAFO0407	STATION 13 AT VALLEY CREEK	No	13	13	0	0
VAFO0408	STATION 12 AT VALLEY CREEK	No	13	13	0	0
VAFO0409	N. END OF KIMBERTON NEAR KIMBERTON FARM SCHOOL	No	82	82	0	0
VAFO0410	PICKERING CREEK AT CHARLESTOWN, PA.	No	0	0	0	0
VAFO0411	VALLEY CREEK NR SWEDESFORD ROAD	No	22	0	22	0
VAFO0412	STATION 1 AT VALLEY CREEK AT SWEDESFORD ROAD	No	37	37	0	0
VAFO0413	FRENCH CK AT KIMBERTON-WALDORF SCHOOL	No	33	33	0	0
VAFO0414	FRENCH CK 200 FT DWNSTRM SEVEN STARS RD BRIDGE	No	681	0	0	681
VAFO0415	FRENCH CREEK AT SEVEN STARS ROAD CROSSING	No	6	6	0	0
VAFO0416	STATION 2 AT VALLEY CREEK	No	13	13	0	0
VAFO0417	STATION 10 AT VALLEY CREEK	No	13	13	0	0
VAFO0418	VALLEY CREEK	No	3	0	3	0
VAFO0419	STATION 11 AT VALLEY CREEK	No	13	13	0	0
VAFO0420[1]	STONY RUN NEAR SPRING CITY, PA.	No	1039	366	462	211
VAFO0421	SCHUYLKILL RIVER AT NORRISTOWN	No	110	110	0	0
VAFO0422	STATION 2 AT VALLEY CREEK	No	24	0	0	24
VAFO0423	STATION 1 AT VALLEY CREEK	No	16	0	0	16
VAFO0424	UNNAMED TRIBUTARY TO VALLEY CREEK AT RT 401	No	96	96	0	0
VAFO0425	STATION 1 AT VALLEY CREEK	No	24	0	0	24
VAFO0426	6	No	31	0	0	31

Station Period of Record Tabulation
From 09/25/26 To 12/30/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75
VAFO0427	PIGEON RUN AT RAPPS CORNER, PA	No	0	0	0	0
VAFO0428[1]	PICKERING CREEK AT MERLIN, PA	No	972	289	413	270
VAFO0429	SUNNY SLOPE DAIRY/EAST VINCENT TWP./SPRING 1	No	0	0	0	0
VAFO0430	SUNNY SLOPE DAIRY/E VINCENT TWP/SPRING 2	No	0	0	0	0
VAFO0431	SUNNY SLOPE DAIRY/E VINCENT TWP/SPRING 3	No	0	0	0	0
VAFO0432	PICKERING CREEK AT PIKELAND, PA.	No	0	0	0	0
VAFO0433[1]	FRENCH CREEK NEAR PHOENIXVILLE, PA.	No	1901	351	446	1104
VAFO0434[1]	FRENCH CRK-.25MI UPSTRM FR WILSON CORNR	No	3028	922	1888	218
VAFO0435	PUGHTOWN ROAD AT WILSON'S CORNER	No	10	10	0	0
VAFO0436	PICKERING CREEK TRIB NR KIMBERTON, PA.	No	24	0	0	24
VAFO0437	PINE CREEK AT CHESTER SPRINGS, PA.	No	83	0	0	83
VAFO0438	YELLOW SPRINGS RD BRIDGE OVER PINE CREEK	No	19	19	0	0
VAFO0439	PICKERING CREEK AT CHESTER SPRINGS, PA	No	32	0	0	32
VAFO0440	BIRCH RUN AT HOLLOW AND FRENCH CK ROADS	No	34	34	0	0
VAFO0441	FRENCH CREEK AT HOLLOW/SHEEDER ROAD CROSSING	No	6	6	0	0
VAFO0442[1]	PINE CRK AT RT 401 JUST BEFORE LOWER PINE CRK RD	No	965	728	237	0
VAFO0443	BIRCH RUN CK AT SR 1033 AND 1028 INTERSECTION	No	32	32	0	0
VAFO0444[1]	STATION 393 PICKERING CK AT HORSESHOE TRAIL RD	No	1130	726	238	166
VAFO0445	PICKERING CR TRIB AT CHESTER SPRINGS, PA.	No	25	0	0	25
VAFO0446	PACH528R	No	12	0	12	0
VAFO0447	FRENCH CREEK AT SHEEDER MILL ROAD (T-491)	No	33	33	0	0
VAFO0448	FRENCH CREEK NEAR SHEEDER MILL ROAD	No	9	9	0	0
VAFO0449	FRENCH CK AT SHEEDER MILL ROAD BRIDGE	No	33	33	0	0
VAFO0450[1]	PICKERING CREEK NEAR CHESTER SPRINGS, PA.	No	1132	290	506	336
VAFO0451	PINE C NR LIONVILLE PA	No	16	0	0	16
VAFO0452	PETER T STINES	No	87	87	0	0
VAFO0453	HALFWAY BETWEEN 2 SITES AT BIRCH RUN	No	20	20	0	0
VAFO0454[1]	FRENCH CREEK NEAR PUGHTOWN, PA.	No	948	318	404	226
VAFO0455	PINE CR AT SHARP FARM NR LIONVILLE, PA.	No	211	0	0	211
VAFO0456	DOWNSTREAM OF BIRCHRUNVILLE ROAD	No	72	72	0	0
VAFO0457	CAMP INNABAH EAST OF HW 100	No	10	10	0	0
VAFO0458[1]	PICKERING CREEK NEAR EAGLE, PA.	No	657	292	148	217
VAFO0459	PACH527R	No	12	0	12	0
VAFO0460	PACH529R	No	12	0	12	0
VAFO0461	UNNAMED TRIB TO PICKERING CR NR CHESTER SPS, PA.	No	88	0	0	88

[1]Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	24	0	0	24	6	2
00004	STREAM WIDTH (FEET)	26	13	8	5	13	1
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	24	0	0	24	6	2
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	15	8	6	1	7	2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3587	2677	435	475	289	54
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	461	461	0	0	4	1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	651	340	136	175	32	3
00023	SAMPLE WEIGHT IN POUNDS	24	4	1	19	3	1
00024	SAMPLE LENGTH IN INCHES	25	4	2	19	4	1
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	460	154	166	140	46	9
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	500	154	234	112	56	11
00040	WIND DIRECTION, AZIMUTH	1	1	0	0	1	0
00041	WEATHER (WMO CODE 4501)	111	92	19	0	11	0
00055	VELOCITY, STREAM FT/SEC	29	13	11	5	13	1
00057	FLOW, INDICATES IT HAS BEEN CHECKED	78	64	14	0	1	1
00058	FLOW, RATE GALLONS/MIN	9	0	0	9	3	1
00060	FLOW, STREAM, MEAN DAILY CFS	332	69	49	214	14	1
00061	FLOW, STREAM, INSTANTANEOUS CFS	541	279	194	68	77	4
00064	DEPTH OF STREAM, MEAN (FT)	29	13	11	5	13	1
00065	STAGE, STREAM (FEET)	633	452	180	1	14	4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	75	0	36	39	6	2
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	40	0	23	17	40	3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	175	87	88	0	21	2
00080	COLOR (PLATINUM-COBALT UNITS)	80	0	2	78	14	1
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	7	0	0	7	2	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	737	493	214	30	108	5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1172	406	427	339	160	39
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	41	26	10	5	24	5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	1957	1918	21	18	163	35
00300	OXYGEN, DISSOLVED MG/L	1034	618	260	156	82	16
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	75	75	0	0	6	0
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	54	54	0	0	1	1
00310	BOD, 5 DAY, 20 DEG C MG/L	205	59	101	45	65	6
00312	BOD, 6 DAY, 20 DEG C MG/L	1	1	0	0	1	0
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	227	227	0	0	52	3
00335	COD, .025N K2CR2O7 MG/L	437	296	110	31	21	2
00340	COD, .25N K2CR2O7 MG/L	310	223	22	65	68	4
00400	PH (STANDARD UNITS)	837	243	261	333	72	10
00403	PH, LAB, STANDARD UNITS SU	1227	778	381	68	148	38
00405	CARBON DIOXIDE (MG/L AS CO2)	79	2	35	42	18	2
00406	PH, FIELD, STANDARD UNITS SU	495	447	32	16	143	9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1303	676	329	298	238	46
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	49	49	0	0	14	2
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	398	297	101	0	12	1
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	7	2	5	0	5	1
00435	ACIDITY, TOTAL (MG/L AS CACO3)	4	3	1	0	4	0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	61	0	30	31	6	2
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	69	0	37	32	6	2
00440	BICARBONATE ION (MG/L AS HCO3)	156	0	35	121	23	1
00445	CARBONATE ION (MG/L AS CO3)	123	0	31	92	22	1
00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	4	0	4	0	4	0
00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	4	0	4	0	4	0
00500	RESIDUE, TOTAL (MG/L)	249	174	49	26	103	7
00505	RESIDUE, TOTAL VOLATILE (MG/L)	20	0	0	20	14	2
00510	RESIDUE, TOTAL FIXED (MG/L)	13	0	0	13	12	2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	520	290	169	61	88	4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	339	227	86	26	117	8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	14	0	0	14	12	2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	14	0	0	14	12	2
00545	RESIDUE, SETTLEABLE (ML/L)	189	176	1	12	54	4
00546	RESIDUE, SETTLEABLE (MG/L)	44	31	3	10	34	0
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	4	0	0	4	2	0
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	64	62	2	0	10	1
00600	NITROGEN, TOTAL (MG/L AS N)	103	42	59	2	31	1
00602	NITROGEN, DISSOLVED (MG/L AS N)	42	9	33	0	15	0
00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	5	0	5	0	5	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	127	0	71	56	17	0
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	18	0	17	1	11	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	199	125	73	1	28	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1066	675	265	126	200	46
00612	AMMONIA, UNIONZED (MG/L AS N)	404	286	97	21	12	1

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Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	199	125	73	1	28	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	1050	611	318	121	145	9
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	54	0	31	23	20	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	753	328	267	158	157	11
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	126	79	46	1	16	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	18	9	9	0	11	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	765	570	165	30	85	5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	505	297	160	48	36	2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	206	125	80	1	28	0
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	7	0	7	0	5	0
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	10	10	0	0	10	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	46	8	9	29	24	6
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	73	16	18	39	30	4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	798	390	290	118	146	11
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	123	80	43	0	13	0
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	5	0	5	0	5	1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	686	474	170	42	44	3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	253	231	13	9	66	6
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	63	52	11	0	2	2
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	18	0	18	0	15	2
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	13	0	13	0	13	2
00690	CARBON, TOTAL (MG/L AS C)	7	0	0	7	7	1
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	38	20	18	0	33	13
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	14	14	0	0	10	1
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	16	11	4	1	13	3
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	3	0	3	0	3	1
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	8	0	8	0	7	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1150	603	356	191	156	10
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	6	0	6	0	5	0
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	161	0	39	122	27	1
00915	CALCIUM, DISSOLVED (MG/L AS CA)	411	97	145	169	45	2
00916	CALCIUM, TOTAL (MG/L AS CA)	480	300	134	46	101	4
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	6	0	0	6	2	0
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	6	0	0	6	2	0
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	6	0	0	6	2	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	409	97	145	167	45	2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	470	299	132	39	94	4
00929	SODIUM, TOTAL (MG/L AS NA)	499	340	97	62	55	1
00930	SODIUM, DISSOLVED (MG/L AS NA)	267	81	113	73	34	1
00931	SODIUM ADSORPTION RATIO	170	0	66	104	22	1
00932	SODIUM, PERCENT	159	0	66	93	17	1
00933	SODIUM,PLUS POTASSIUM (MG/L)	32	0	0	32	5	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	258	78	108	72	26	1
00937	POTASSIUM, TOTAL MG/L AS K)	470	312	97	61	35	1
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	6	0	0	6	2	0
00940	CHLORIDE,TOTAL IN WATER MG/L	1686	983	426	277	208	34
00941	CHLORIDE, DISSOLVED IN WATER MG/L	29	4	11	14	14	0
00945	SULFATE, TOTAL (MG/L AS SO4)	1324	677	399	248	154	9
00946	SULFATE, DISSOLVED (MG/L AS SO4)	24	2	8	14	9	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	189	34	82	73	26	1
00951	FLUORIDE, TOTAL (MG/L AS F)	428	298	130	0	25	3
00955	SILICA, DISSOLVED (MG/L AS SI02)	287	80	106	101	32	1
00956	SILICA, TOTAL (MG/L AS SI02)	5	5	0	0	2	0
00979	COBALT,TOTAL RECOVERABLE IN WATER AS CO UG/L	6	0	0	6	2	0
00980	IRON,TOTAL RECOVERABLE IN WATER AS FE UG/L	6	0	0	6	2	0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	120	76	35	9	23	1
01002	ARSENIC, TOTAL (UG/L AS AS)	106	76	27	3	27	2
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	44	22	22	0	36	14
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	8	6	2	0	5	2
01005	BARIUM, DISSOLVED (UG/L AS BA)	20	18	1	1	8	0
01007	BARIUM, TOTAL (UG/L AS BA)	19	17	0	2	14	0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	18	18	0	0	6	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	5	0	3	2	5	1
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	17	2	15	0	16	3
01020	BORON, DISSOLVED (UG/L AS B)	26	10	15	1	21	0
01022	BORON, TOTAL (UG/L AS B)	1	1	0	0	1	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	273	123	126	24	46	3
01026	CADMIUM, SUSPENDED (UG/L AS CD)	42	0	42	0	4	2
01027	CADMIUM, TOTAL (UG/L AS CD)	763	552	198	13	122	9
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	42	18	23	1	33	10
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	42	18	23	1	33	10

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Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	218	69	125	24	45	2
01031	CHROMIUM, SUSPEND (UG/L AS CR)	41	0	41	0	4	2
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	133	129	4	0	26	3
01034	CHROMIUM, TOTAL (UG/L AS CR)	407	256	105	46	118	8
01035	COBALT, DISSOLVED (UG/L AS CO)	109	18	68	23	21	0
01037	COBALT, TOTAL (UG/L AS CO)	38	0	0	38	14	0
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	1	0	1	0	1	0
01040	COPPER, DISSOLVED (UG/L AS CU)	284	126	134	24	46	3
01041	COPPER, SUSPENDED (UG/L AS CU)	50	0	50	0	4	2
01042	COPPER, TOTAL (UG/L AS CU)	422	266	117	39	123	12
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	40	16	23	1	32	10
01045	IRON, TOTAL (UG/L AS FE)	1035	610	290	135	142	10
01046	IRON, DISSOLVED (UG/L AS FE)	318	177	109	32	38	2
01049	LEAD, DISSOLVED (UG/L AS PB)	284	123	135	26	46	3
01050	LEAD, SUSPENDED (UG/L AS PB)	50	0	50	0	4	2
01051	LEAD, TOTAL (UG/L AS PB)	387	267	116	4	119	12
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	42	18	23	1	33	10
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	16	16	0	0	15	7
01055	MANGANESE, TOTAL (UG/L AS MN)	790	559	151	80	128	11
01056	MANGANESE, DISSOLVED (UG/L AS MN)	314	177	114	23	41	2
01059	THALLIUM, TOTAL (UG/L AS TL)	3	0	3	0	3	1
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	18	18	0	0	6	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	271	121	124	26	38	3
01066	NICKEL, SUSPENDED (UG/L AS NI)	42	0	42	0	4	2
01067	NICKEL, TOTAL (UG/L AS NI)	395	256	100	39	118	12
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	18	2	15	1	17	3
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	2	0	2	0	2	1
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	2	0	2	0	2	1
01074	NICKEL,TOTAL RECOVERABLE IN WATER AS NI UG/L	6	0	0	6	2	0
01075	SILVER, DISSOLVED (UG/L AS AG)	87	77	9	1	11	1
01077	SILVER, TOTAL (UG/L AS AG)	57	54	3	0	4	2
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	15	0	15	0	15	3
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	16	16	0	0	4	0
01085	VANADIUM, DISSOLVED (UG/L AS V)	21	16	5	0	9	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	278	126	127	25	46	3
01091	ZINC, SUSPENDED (UG/L ZN)	42	0	42	0	4	2
01092	ZINC, TOTAL (UG/L AS ZN)	814	553	201	60	126	9
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	40	16	23	1	32	10
01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	7	0	1	6	3	0
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	2	2	0	0	2	0
01097	ANTIMONY, TOTAL (UG/L AS SB)	3	0	3	0	3	1
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	16	0	15	1	16	3
01099	ANTIMONY,TISSUE,WET WEIGHT,MG/KG	2	0	2	0	2	1
01105	ALUMINUM, TOTAL (UG/L AS AL)	271	244	26	1	74	5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	214	176	36	2	35	1
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	7	0	1	6	3	0
01130	LITHIUM, DISSOLVED (UG/L AS LI)	62	28	33	1	25	0
01132	LITHIUM, TOTAL (UG/L AS LI)	84	50	0	34	41	0
01134	LITHIUM,TOTAL RECOVERABLE IN WATER AS LI UG/L	6	0	0	6	2	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	57	56	0	1	4	1
01147	SELENIUM, TOTAL (UG/L AS SE)	65	54	11	0	12	2
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	17	2	15	0	16	3
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	2	0	2	0	2	1
01152	TITANIUM, TOTAL (UG/L AS TI)	2	0	0	2	2	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	16	16	0	0	15	7
01330	ODOR, ATMOSPHERIC (SEVERITY)	89	0	69	20	6	2
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	58	0	0	58	6	2
03582	OIL AND GREASE, WATER, TOTAL MG/L	7	7	0	0	6	0
03910	INVALID PARAMETER	1	0	1	0	1	1
22703	URANIUM, NATURAL, DISSOLVED	7	2	5	0	7	0
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	1	1	0	0	1	0
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	1	1	0	0	1	0
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	1	1	0	0	1	0
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	1	1	0	0	1	0
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	1	1	0	0	1	0
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	1	1	0	0	1	0

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Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	1	1	0	0	1	0
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	1	1	0	0	1	0
30380	BUTACHLOR UG/KG	2	2	0	0	1	0
30381	CHLOROBENZILATE UG/KG	2	2	0	0	1	0
30382	TRIPHENYL PHOSPHATE UG/KG	2	2	0	0	1	0
30385	BUTACHLOR MG/KG	4	4	0	0	1	0
30386	CHLORBENZILATE MG/KG	4	4	0	0	1	0
30387	TRIPHENYL PHOSPHATE MG/KG	4	4	0	0	1	0
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	82	5	5	72	22	1
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	129	23	75	31	11	1
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	1	0	1	0	1	0
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	425	307	100	18	21	5
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	5	2	3	0	5	1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	224	68	117	39	25	1
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	452	307	114	31	24	6
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	5	2	3	0	5	1
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	77	5	0	72	19	0
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	18	13	5	0	16	1
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	18	13	5	0	16	1
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	10	6	4	0	9	1
32104	BROMOFORM,WHOLE WATER,UG/L	18	13	5	0	16	1
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	10	6	4	0	9	1
32106	CHLOROFORM,WHOLE WATER,UG/L	88	83	5	0	65	1
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	73	63	3	7	20	2
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	2	0	2	0	2	1
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10	6	4	0	9	1
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10	6	4	0	9	1
34200	ACENAPHTHYLENE TOTWUG/L	3	0	3	0	3	1
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34204	ACENAPHTHYLENE WET WGTTISMG/KG	2	0	2	0	2	1
34205	ACENAPHTHENE TOTWUG/L	3	0	3	0	3	1
34208	ACENAPHTHENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34209	ACENAPHTHENE WET WGTTISMG/KG	2	0	2	0	2	1
34210	ACROLEIN TOTWUG/L	3	0	3	0	3	1
34213	ACROLEIN DRY WGTBOTUG/KG	2	0	2	0	2	1
34214	ACROLEIN WET WGTTISMG/KG	2	0	2	0	2	1
34215	ACRYLONITRILE TOTWUG/L	3	0	3	0	3	1
34218	ACRYLONITRILE DRY WGTBOTUG/KG	2	0	2	0	2	1
34219	ACRYLONITRILE WET WGTTISMG/KG	2	0	2	0	2	1
34220	ANTHRACENE TOTWUG/L	3	0	3	0	3	1
34223	ANTHRACENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34224	ANTHRACENE WET WGTTISMG/KG	2	0	2	0	2	1
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	3	0	3	0	3	1
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	14	12	2	0	13	12
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	2	0	2	0	2	1
34237	BENZENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34238	BENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34241	BENZIDINE WET WGTTISMG/KG	2	0	2	0	2	1
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	3	0	3	0	3	1
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	14	12	2	0	13	12
34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	2	0	2	0	2	1
34247	BENZO-A-PYRENE TOTWUG/L	3	0	3	0	3	1
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34251	BENZO-A-PYRENE WET WGTTISMG/KG	2	0	2	0	2	1
34252	BERYLLIUM WET WGTTISMG/KG	6	4	2	0	3	1
34257	B-BHC-BETA DRY WGTBOTUG/KG	2	0	2	0	2	1
34258	B-BHC-BETA WET WGTTISMG/KG	2	0	2	0	2	1
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	3	0	3	0	3	1
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	2	0	2	0	2	1
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	3	0	3	0	3	1
34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	2	0	2	0	2	1
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	3	0	3	0	3	1
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	10	8	2	0	9	8
34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	2	0	2	0	2	1
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	3	0	3	0	3	1
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	10	8	2	0	9	8
34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	2	0	2	0	2	1
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	3	0	3	0	3	1
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	10	8	2	0	9	8

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	2	0	2	0	2	1
34290	BROMOFORM DRY WGTBOTUG/KG	2	0	2	0	2	1
34291	BROMOFORM WET WGTTISMG/KG	2	0	2	0	2	1
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	3	0	3	0	3	1
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	14	12	2	0	13	12
34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	2	0	2	0	2	1
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34300	CARBON TETRACHLORIDE WET WGTTISMG/KG	2	0	2	0	2	1
34301	CHLOROBENZENE TOTWUG/L	18	13	5	0	16	1
34304	CHLOROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34305	CHLOROBENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34306	CHLORODIBROMOMETHANE TOTWUG/L	8	7	1	0	7	0
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34311	CHLOROETHANE TOTWUG/L	16	12	4	0	15	1
34314	CHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34315	CHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34318	CHLOROFORM DRY WGTBOTUG/KG	2	0	2	0	2	1
34319	CHLOROFORM WET WGTTISMG/KG	2	0	2	0	2	1
34320	CHRYSENE TOTWUG/L	3	0	3	0	3	1
34323	CHRYSENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34324	CHRYSENE WET WGTTISMG/KG	2	0	2	0	2	1
34326	CYANIDE WET WGTTISMG/KG	2	0	2	0	2	1
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34331	DICHLOROBROMOMETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34336	DIETHYL PHTHALATE TOTWUG/L	3	0	3	0	3	1
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	14	12	2	0	13	12
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	2	0	2	0	2	1
34341	DIMETHYL PHTHALATE TOTWUG/L	3	0	3	0	3	1
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	10	8	2	0	9	8
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	2	0	2	0	2	1
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	3	0	3	0	3	1
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	2	0	2	0	2	1
34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	2	0	2	0	2	1
34351	ENDOSULFAN SULFATE TOTWUG/L	15	12	3	0	15	1
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	2	0	2	0	2	1
34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	2	0	2	0	2	1
34356	ENDOSULFAN, BETA TOTWUG/L	3	0	3	0	3	1
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	2	0	2	0	2	1
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	2	0	2	0	2	1
34361	ENDOSULFAN, ALPHA TOTWUG/L	3	0	3	0	3	1
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	2	0	2	0	2	1
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	2	0	2	0	2	1
34366	ENDRIN ALDEHYDE TOTWUG/L	3	0	3	0	3	1
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	2	0	2	0	2	1
34371	ETHYLBENZENE TOTWUG/L	67	62	5	0	51	1
34374	ETHYLBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34375	ETHYLBENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34376	FLUORANTHENE TOTWUG/L	3	0	3	0	3	1
34379	FLUORANTHENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34380	FLUORANTHENE WET WGTTISMG/KG	2	0	2	0	2	1
34381	FLUORENE TOTWUG/L	3	0	3	0	3	1
34384	FLUORENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34385	FLUORENE WET WGTTISMG/KG	2	0	2	0	2	1
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	3	0	3	0	3	1
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	2	0	2	0	2	1
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	7	5	2	0	4	1
34396	HEXACHLOROETHANE TOTWUG/L	3	0	3	0	3	1
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	10	8	2	0	9	8
34400	HEXACHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	3	0	3	0	3	1
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	2	0	2	0	2	1
34408	ISOPHORONE TOTWUG/L	3	0	3	0	3	1
34411	ISOPHORONE DRY WGTBOTUG/KG	10	8	2	0	9	8
34412	ISOPHORONE WET WGTTISMG/KG	2	0	2	0	2	1
34413	METHYL BROMIDE TOTWUG/L	15	12	3	0	15	1
34416	METHYL BROMIDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34417	METHYL BROMIDE WET WGTTISMG/KG	2	0	2	0	2	1

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34418	METHYL CHLORIDE TOTWUG/L	3	0	3	0	3	1
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34422	METHYL CHLORIDE WET WGTTISMG/KG	2	0	2	0	2	1
34423	METHYLENE CHLORIDE TOTWUG/L	67	62	5	0	51	1
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34427	METHYLENE CHLORIDE WET WGTTISMG/KG	2	0	2	0	2	1
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	3	0	3	0	3	1
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	10	8	2	0	9	8
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	2	0	2	0	2	1
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	3	0	3	0	3	1
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	10	8	2	0	9	8
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	2	0	2	0	2	1
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	10	8	2	0	9	8
34445	NAPHTHALENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34446	NAPHTHALENE WET WGTTISMG/KG	2	0	2	0	2	1
34447	NITROBENZENE TOTWUG/L	3	0	3	0	3	1
34450	NITROBENZENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34451	NITROBENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34452	PARACHLOROMETA CRESOL TOTWUG/L	3	0	3	0	3	1
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	2	0	2	0	2	1
34461	PHENANTHRENE TOTWUG/L	3	0	3	0	3	1
34464	PHENANTHRENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34465	PHENANTHRENE WET WGTTISMG/KG	2	0	2	0	2	1
34468	PHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34469	PYRENE TOTWUG/L	3	0	3	0	3	1
34472	PYRENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34473	PYRENE WET WGTTISMG/KG	2	0	2	0	2	1
34474	SILVER WET WGTTISMG/KG	2	0	2	0	2	1
34475	TETRACHLOROETHYLENE TOTWUG/L	104	99	5	0	81	1
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34479	TETRACHLOROETHYLENE WET WGTTISMG/KG	2	0	2	0	2	1
34480	THALLIUM DRY WGTBOTMG/KG	2	0	2	0	2	1
34483	TOLUENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34484	TOLUENE WET WGTTISMG/KG	2	0	2	0	2	1
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	18	13	5	0	16	1
34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	1
34496	1,1-DICHLOROETHANE TOTWUG/L	39	34	5	0	30	1
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34500	1,1-DICHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34501	1,1-DICHLOROETHYLENE TOTWUG/L	39	34	5	0	30	1
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	1
34505	1,1-DICHLOROETHYLENE WET WGTTISMG/KG	2	0	2	0	2	1
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	88	83	5	0	65	1
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34510	1,1,1-TRICHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	17	12	5	0	15	1
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34515	1,1,2-TRICHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	17	12	5	0	15	1
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34520	1,1,2,2-TETRACHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	3	0	3	0	3	1
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	10	8	2	0	9	8
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	2	0	2	0	2	1
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	3	0	3	0	3	1
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	10	8	2	0	9	8
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	2	0	2	0	2	1
34531	1,2-DICHLOROETHANE TOTWUG/L	8	7	1	0	7	0
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34535	1,2-DICHLOROETHANE WET WGTTISMG/KG	2	0	2	0	2	1
34536	1,2-DICHLOROBENZENE TOTWUG/L	16	13	3	0	16	1
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34541	1,2-DICHLOROPROPANE TOTWUG/L	18	13	5	0	16	1
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	2	0	2	0	2	1
34545	1,2-DICHLOROPROPANE WET WGTTISMG/KG	2	0	2	0	2	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	18	13	5	0	16	1
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	2	0	2	0	2	1

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE, WET WT. MG/KG	2	0	2	0	2	1
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	3	0	3	0	3	1
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	7	5	2	0	4	1
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	3	0	3	0	3	1
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	14	12	2	0	13	12
34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	2	0	2	0	2	1
34561	1,3-DICHLOROPROPENE TOTWUG/L	12	12	0	0	12	0
34566	1,3-DICHLOROBENZENE TOTWUG/L	8	5	3	0	8	1
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34571	1,4-DICHLOROBENZENE TOTWUG/L	20	17	3	0	17	1
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	2	0	2	0	2	1
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	16	12	4	0	15	1
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	2	0	2	0	2	1
34580	2-CHLOROETHYL VINYL ETHER WET WGTTISMG/KG	2	0	2	0	2	1
34581	2-CHLORONAPHTHALENE TOTWUG/L	3	0	3	0	3	1
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	2	0	2	0	2	1
34586	2-CHLOROPHENOL TOTWUG/L	3	0	3	0	3	1
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34590	2-CHLOROPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34591	2-NITROPHENOL TOTWUG/L	3	0	3	0	3	1
34594	2-NITROPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34595	2-NITROPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	3	0	3	0	3	1
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	10	8	2	0	9	8
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	2	0	2	0	2	1
34601	2,4-DICHLOROPHENOL TOTWUG/L	3	0	3	0	3	1
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34606	2,4-DIMETHYLPHENOL TOTWUG/L	3	0	3	0	3	1
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34611	2,4-DINITROTOLUENE TOTWUG/L	3	0	3	0	3	1
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	2	0	2	0	2	1
34616	2,4-DINITROPHENOL TOTWUG/L	3	0	3	0	3	1
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34620	2,4-DINITROPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	3	0	3	0	3	1
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34626	2,6-DINITROTOLUENE TOTWUG/L	3	0	3	0	3	1
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	10	8	2	0	9	8
34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	2	0	2	0	2	1
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	3	0	3	0	3	1
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	2	0	2	0	2	1
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	2	0	2	0	2	1
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	3	0	3	0	3	1
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	10	8	2	0	9	8
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	2	0	2	0	2	1
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	3	0	3	0	3	1
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	10	8	2	0	9	8
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	2	0	2	0	2	1
34646	4-NITROPHENOL TOTWUG/L	3	0	3	0	3	1
34649	4-NITROPHENOL DRY WGTBOTUG/KG	10	8	2	0	9	8
34650	4-NITROPHENOL WET WGTTISMG/KG	2	0	2	0	2	1
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	3	0	3	0	3	1
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	10	8	2	0	9	8
34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	2	0	2	0	2	1
34664	PCB - 1221 WET WGTTISMG/KG	2	2	0	0	2	1
34667	PCB - 1232 WET WGTTISMG/KG	2	2	0	0	2	1
34668	DICHLORODIFUOROMETHANE TOTWUG/L	18	13	5	0	16	1
34669	PCB - 1248 WET WGTTISMG/KG	4	2	2	0	3	1
34670	PCB - 1260 WET WGTTISMG/KG	4	2	2	0	4	2
34671	PCB - 1016 TOTWUG/L	3	0	3	0	3	1
34674	PCB - 1016 WET WGTTISMG/KG	2	0	2	0	2	1
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	21	19	2	0	8	3
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	4	2	2	0	4	2

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Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	2	0	2	0	2	1
34685	ENDRIN WET WGTTISMG/KG	26	24	2	0	10	3
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	26	24	2	0	10	3
34687	HEPTACHLOR WET WGTTISMG/KG	26	24	2	0	10	3
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	3	1	2	0	3	1
34689	PCB - 1242 WET WGTTISMG/KG	4	2	2	0	4	2
34690	PCB - 1254 WET WGTTISMG/KG	6	2	4	0	5	2
34691	TOXAPHENE WET WGTTISMG/KG	2	0	2	0	2	1
34692	TRICHLOROETHYLENE WET WGTTISMG/KG	2	0	2	0	2	1
34693	VINYL CHLORIDE WET WGTTISMG/KG	2	0	2	0	2	1
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	3	0	3	0	3	1
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	10	8	2	0	9	8
34696	NAPHTHALENE TOTWUG/L	3	0	3	0	3	1
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	2	0	2	0	2	1
34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	2	0	2	0	2	1
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	3	0	3	0	3	1
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	2	1
34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	2	0	2	0	2	1
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	3	0	3	0	3	1
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	1	1	0	0	1	0
34773	ODOR, AMBIENT WATER CODE	23	0	14	9	23	2
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	24	13	6	5	9	1
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	82	1	79	2	19	2
38423	CHLORONEB WATER, TOTUG/L	4	4	0	0	4	0
38823	ISOPROPALIN SEDDRYWGTUG/KG	2	2	0	0	1	0
38824	ISOPROPALIN TISWETWGTMG/KG	5	5	0	0	2	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	18	0	18	0	7	2
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	2	0	2	0	2	1
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10	8	2	0	9	8
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	22	22	0	0	8	2
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	22	22	0	0	8	2
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	17	17	0	0	6	2
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	15	15	0	0	6	2
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	26	24	2	0	10	3
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	4	4	0	0	1	0
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	2	0	2	0	2	1
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	2	0	2	0	2	1
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	3	0	3	0	3	1
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	14	12	2	0	13	12
39105	PERCENT FAT HEXANE EXTRACTION	19	19	0	0	6	2
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	2	0	2	0	2	0
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	10	8	2	0	9	8
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3	1
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	2	0	2	0	2	1
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	16	13	3	0	16	1
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	108	103	5	0	82	1
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	19	0	19	0	7	2
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	27	27	0	0	18	7
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	7	4	3	0	7	1
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	1
39302	P P DDT IN TISSUE WET WGT (UG/G)	21	19	2	0	8	3
39307	O P DDT IN TISSUE WET WGT (UG/G)	14	14	0	0	5	1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3	1
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	1
39312	P P DDD IN TISSUE WET WGT (UG/G)	21	19	2	0	8	3
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3	1
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	1
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	26	24	2	0	10	3
39325	O,P DDD IN TISSUE WET WGT (UG/G)	14	14	0	0	5	1
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	14	14	0	0	5	1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	26	4	22	0	14	3
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	52	31	21	0	38	14
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	3	0	3	0	3	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	19	16	3	0	16	1
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	22	0	22	0	10	3
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	50	29	21	0	35	10
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0

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Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	22	0	22	0	10	3
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	47	26	21	0	34	10
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	19	0	19	0	7	2
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	50	31	19	0	36	13
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	21	0	19	2	9	2
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	49	30	19	0	36	13
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	21	0	19	2	9	2
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	49	30	19	0	35	13
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10	3
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	52	31	21	0	38	14
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	19	0	19	0	7	2
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	31	31	0	0	22	11
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10	3
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	48	27	21	0	34	10
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12	12	0	0	11	11
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10	3
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	51	30	21	0	38	14
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	26	24	2	0	10	3
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	26	4	22	0	14	3
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	48	27	21	0	34	10
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10	3
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	52	31	21	0	38	14
39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	19	0	19	0	7	2
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	44	31	13	0	35	13
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	2	0	2	0	2	1
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	4	0	4	0	2	0
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	6	0	6	0	4	1
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	3	0	3	0	3	1
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	2	1
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	2	0	2	0	2	1
39515	PCBS (MG/KG) FISH TISSUE MG/KG	37	23	14	0	9	2
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	19	0	19	0	7	2
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	50	27	23	0	36	11
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	12	0	0	11	11
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	12	0	0	11	11
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	12	0	0	11	11
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	12	12	0	0	11	11
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3	1
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	10	8	2	0	9	8
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	3	0	3	0	3	1
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	4	4	0	0	1	0
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	10	8	2	0	9	8
39755	MIREX, TOTAL (UG/L)	19	0	19	0	7	2
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	31	31	0	0	22	11
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	4	0	0	4	4
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	22	20	2	0	9	3
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12	12	0	0	11	11
45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	4	0	0	4	4	1
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	118	0	92	26	35	4
46002	PHENOLS,DIRECT PHOTOMETRIC,NO DISTILLATION (UG/L)	1	0	0	1	1	1
46006	FAMILY PLANARIIDAE, FLATWORMS	17	4	13	0	3	1
46008	PHYLUM NEMATODA, NEMATODES	3	0	3	0	2	1
46009	FAMILY TUBIFICIDAE, SEGMENTED WORMS	2	1	1	0	2	1
46014	FAMILY HIRUDIDAE, LEECHES	12	1	11	0	3	1
46015	FAMILY ASELLIDAE, AQUATIC SOW BUG	15	5	8	2	3	1
46018	FAMILY GAMMARIDAE, SCUD	15	5	9	1	3	1
46019	FAMILY ASTACIDAE, ALL CRAYFISH	9	4	5	0	2	1
46022	FAMILY PELTOPERLIDAE, STONEFLY, ROACHLIKE	6	0	5	1	2	1
46023	FAM NEMOURIDAE, STONEFLY W/PARA & GLOSSAE EQUAL	1	0	1	0	1	0

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Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
46024	FAMILY PERLIDAE, STONEFLY W/GILLS ON THORAX	13	3	9	1	1	0
46025	FAMILY PERLODIDAE, STONEFLY W/GILLS ON SUBMENTUM	1	1	0	0	1	0
46027	FAMILY EPHEMERIDAE, MAYFLY W/ TUSKS, BURROWER	1	0	1	0	1	0
46028	FAMILY BAETIDAE, MAYFLY, HEAD NOT DEPRESSED	25	6	17	2	3	1
46029	FAMILY HEPTAGENIIDAE MAYFLY W/ DEPRESSED HEAD	23	6	16	1	3	1
46031	FAMILY LIBELLULIDAE, DRAGONFLY BOTTOM SPRAWLER	2	1	1	0	1	0
46032	FAMILY GOMPHIDAE, DRAGONFLY 4 SEGMENTED ANTENNAE	4	1	3	0	2	1
46036	FAM AGRIONIDAE DAMSELFLY 1ST ANT SEGMENT LONGEST	3	0	3	0	2	1
46037	FAM COENAGRIONIDAE 1ST ANTENNAE SEGMENT SHORT	6	3	3	0	3	1
46041	FAMILY GERRIDAE, WATER STRIDERS	3	2	1	0	2	1
46049	FAMILY SIALIDAE, ALDERFLY	10	2	8	0	3	1
46050	FAMILY CORYDALIDAE, HELLGRAMMITES	18	6	11	1	3	1
46051	FAMILY HYDROPTILIDAE, CADDISFLY, ABDOMEN WIDE	16	3	13	0	3	1
46052	FAMILY HELICOPSYCHIDAE, CADDISFLY SNAIL SHELL	1	1	0	0	1	0
46053	FAMILY HYDROPSYCHIDAE, CADDISFLY W/3 S PLATES	28	7	18	3	3	1
46054	FAM RHYACOPHILIDAE CADDISFLY;LS W/ DORSAL SHIELD	4	1	3	0	2	1
46055	FAMILY PHILOPOTAMIDAE, CADDISFLY LAB SOFT	17	4	12	1	3	1
46056	FAMILY PSYCHOMYIIDAE, LAB SCLEROTIZED	9	2	7	0	3	1
46058	FAMILY LEPTOCERIDAE, CADDISFLY; ANT. LONG	3	1	2	0	1	0
46063	FAMILY BRACHYCENTRIDAE, CADDISFLY PRO W/FURROW	2	1	1	0	1	0
46064	FAMILY LEPTIDOSTOMATIDAE, CADDISFLY	4	0	4	0	1	0
46066	FAMILY LIMNEPHILIDAE, CADDISFLY	3	2	1	0	1	0
46067	FAMILY PYRALIDIDAE, AQUATIC MOTHS	3	1	2	0	2	0
46068	FAMILY GYRINIDAE, WHIRLYGIG BEETLES	1	0	1	0	1	0
46070	FAMILY DYTISCIDAE, PRED. DIVING BEETLES	3	0	3	0	2	1
46071	FAMILY PSEPHENIDAE, WATER PENNY BEETLES	20	6	13	1	3	1
46074	FAMILY DRYOPIDAE, BEETLE	1	1	0	0	1	0
46075	FAMILY ELMIDAE, BEETLE	25	7	16	2	3	1
46076	FAMILY HYDROPHILIDAE, SCAVENGER BEETLE	1	0	1	0	1	0
46078	FAMILY TIPULIDAE, CRANE FLY	22	5	15	2	3	1
46084	FAMILY SIMULIIDAE, BLACK FLIES	22	5	16	1	3	1
46085	FAMILY EMPIDIDAE	5	1	3	1	1	0
46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	29	7	18	4	3	1
46089	FAMILY RHAGIONIDAE, SNIPE FLIES	1	0	1	0	1	0
46090	FAMILY TABANIDAE, HORSEFLIES	3	1	2	0	1	0
46095	FAMILY PHYSIDAE, LUNG SNAILS	19	4	14	1	3	1
46096	FAMILY LYMNAEIDAE, POND SNAILS	2	0	2	0	1	0
46097	FAMILY PLANORBIDAE, ORB SNAILS	4	2	2	0	2	0
46098	FAMILY ANCYLIDAE, LIMPETS	17	5	11	1	3	1
46099	FAMILY AMNICOLIDAE	1	0	1	0	1	0
46102	FAMILY PLEUROCERIDAE, RIVER SNAIL	1	1	0	0	1	0
46103	FAMILY UNIONIDAE	3	0	3	0	2	0
46104	FAMILY SPHAERIIDAE,FINGERNAIL CLAMS	5	3	2	0	3	1
46106	CLASS OLIGOCHAETA, AQUATIC EARTH WORMS	21	4	17	0	3	1
46124	FAMILY TAENIOPTERGIDAE STONEFLY NO/FT2	1	1	0	0	1	0
46125	FAMILY CAPNIIDAE, STONEFLY NO/FT2	1	1	0	0	1	0
46130	FAMILY OLIGONEURIIDAE, MAYFLY NO/FT2	2	2	0	0	1	0
46138	FAMILY EPHEMERELLIDAE, MAYFLY NO/FT2	1	1	0	0	1	0
46141	FAMILY GLOSSOSOMAIDAE, CADDISFLY NO/FT2	1	1	0	0	1	0
46142	FAMILY POLYCENTROPIDAE, CADDISFLY NO/FT2	1	1	0	0	1	0
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	5	5	0	0	2	0
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	17	17	0	0	6	2
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	49	49	0	0	35	0
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	3	0	0	3	1	1
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	271	257	14	0	50	24
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	5	0	5	0	5	0
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	2	0	2	0	2	0
50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	509	380	97	32	37	21
50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	4	4	0	0	4	4
61213	COLIFORM, GENERAL, TOTAL #/100ML	123	108	10	5	43	3
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	133	111	17	5	50	4
61215	FECAL COLIFORM, GENERAL #/100ML	270	238	27	5	103	28
61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	4	4	0	0	4	4
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	70	70	0	0	49	0
61290	BENZENE, TOTAL WATER UG/L	8	7	1	0	7	0
61291	TOLUENE, TOTAL WATER UG/L	29	28	1	0	21	0
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	22	13	6	3	7	1
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	26	13	8	5	9	1
61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	4	4	0	0	4	4
61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	4	4	0	0	4	4

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	4	4	0	0	4	4
61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	4	4	0	0	4	4
61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	4	4	0	0	4	4
61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	4	4	0	0	4	4
61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	4	4	0	0	4	4
61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	4	4	0	0	4	4
61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	4	4	0	0	4	4
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	3	3	0	0	3	1
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	394	297	97	0	12	1
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	702	335	240	127	63	2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	79	0	39	40	21	1
70302	SOLIDS, DISSOLVED-TONS PER DAY	53	0	9	44	12	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	166	0	66	100	21	1
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	18	18	0	0	6	2
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11	0	0	11	1	0
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	8	0	0	8	1	0
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	3	0	0	3	1	0
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12	0	0	12	1	0
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12	0	0	12	1	0
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12	0	0	12	1	0
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12	0	0	12	1	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	141	1	64	76	19	0
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	186	64	122	0	10	1
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	1	1	0	0	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	17	0	17	0	12	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	23	0	22	1	12	0
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	307	307	0	0	44	32
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	113	0	18	95	23	1
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	382	382	0	0	49	35
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	19	0	18	1	12	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	56	9	40	7	22	1
71887	NITROGEN, TOTAL, AS NO3 - MG/L	55	0	53	2	12	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	124	89	34	1	24	1
71900	MERCURY, TOTAL (UG/L AS HG)	269	239	28	2	70	4
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	4	4	0	0	3	1
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	41	18	22	1	33	10
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	16	14	2	0	7	2
71932	ZINC,TOTAL IN FISH,DRY WEIGHT BASIS	22	3	0	19	3	1
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	28	9	0	19	5	2
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	1	1	0	0	1	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	18	16	2	0	7	2
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	14	12	2	0	6	2
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	2	0	2	0	2	1
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	14	12	2	0	6	2
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	18	16	2	0	7	2
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	28	9	0	19	5	2
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	28	9	0	19	5	2
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	28	9	0	19	5	2
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	12	2	0	10	6	1
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)	2	2	0	0	2	0
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	9	0	0	9	3	1
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	6	0	0	6	3	1
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	11	0	0	11	3	1
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	6	2	0	4	6	1
75039	TRICHLOROBENZENE,1,2,4 SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75040	HEXACHLOROBUTADIENE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75041	BHC,ALPHA- SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75042	HEXACHLOROBENZENE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75043	PENTACHLOROANISOLE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	6	6	0	0	5	4
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75046	DDE,P,P'-(4,4'-DDE) SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75047	DIELDRIN SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	6	6	0	0	5	4
75050	ALACHLOR UG/KG	2	2	0	0	1	0
75051	DICHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75052	OCTACHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75054	DECACHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
75558	BIPHENYL SEDIMENT,DRY WGT,UG/KG	2	2	0	0	1	0
76002	RADON 222,1 SIGMA PRC EST,TOTAL,WATER PC/L	1	1	0	0	1	0
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	5	5	0	0	2	0

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
77041	CARBON DISULFIDE WHOLE WATER,UG/L	49	49	0	0	35	0
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	22	22	0	0	15	0
77128	STYRENE WHOLE WATER,UG/L	1	1	0	0	1	0
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	49	49	0	0	35	0
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	49	49	0	0	35	0
77652	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET*WHOLE WATER,UG/L	1	1	0	0	1	0
77729	RAMROD WHOLE WATER,UG/L	4	4	0	0	4	0
78008	ENDRIN KETONE IN WATER UG/L	4	4	0	0	4	0
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	70	70	0	0	49	0
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	17	17	0	0	6	2
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	17	17	0	0	6	2
78657	NONACHLOR, TRANS, SEDIMENT, DRY WEIGHT, UG/KG	2	2	0	0	1	0
78733	ORGANICS, VOLATILE FRACTION MG/L	8	7	1	0	7	0
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	4	4	0	0	4	4
78875	MONOCHLOROBIPHENYLS TOTAL IN SED DRY WEIGHT UG/KG	2	2	0	0	1	0
78902	MONOCHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78903	DICHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78904	TRICHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78905	TETRACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78906	PENTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	5	5	0	0	2	0
78908	HEPTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78909	OCTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78911	DECACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	4	4	0	0	1	0
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	5	5	0	0	2	0
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	5	5	0	0	2	0
78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	2	2	0	0	1	0
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	5	5	0	0	2	0
79785	TRICHLOROBENZENE,1,3,5- SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79786	TRICHLOROBENZENE,1,2,3- SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79787	TETRACHLOROBENZENE,1,2,4,5- SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79789	TETRACHLOROBENZENE,1,2,3,4- SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79790	PENTACHLOROBENZENE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79791	DIPHENYL DISULFIDE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79792	CHLORPYRIFOS SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79793	OCTACHLOROSTYRENE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79794	OXYCHLORDANE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79795	CHLORDANE, TRANS SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79796	CHLORDANE, CIS SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79797	NITROFEN SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79798	METHOXYCHLOR SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
79800	MIREX SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	169	0	4	165	19	2
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	169	0	4	165	19	2
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	221	221	0	0	11	1
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	4	4	0	0	4	0
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	1	1	0	0	1	0
81551	XYLENE WHL WATER SMPL UG/L	1	1	0	0	1	0
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	12	12	0	0	12	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	65	31	15	19	13	3
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	23	4	0	19	2	0
81618	TREFLAN(TRIFLURALIN) IN SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	1	0
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	24	24	0	0	8	2
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	17	17	0	0	7	1
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	5	5	0	0	2	0
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	65	65	0	0	48	0
81793	NICKEL IN ANIMAL TISSUE,DRY WEIGHT MG/KG	19	0	0	19	1	0
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	5	5	0	0	2	0
81808	PENTACHLORONITROBENZENE IN SEDIMENT DRY WGT UG/KG	2	2	0	0	1	0
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	6	6	0	0	4	1
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	5	5	0	0	2	0
81876	TRICHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	1	0
81878	TETRACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	1	0
81880	PENTACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	1	0
81882	HEXACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	1	0
81884	HEPTACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	2	2	0	0	1	0
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	33	33	0	0	23	11
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	22	22	0	0	8	2
82038	POTASSIUM-DISSOLVED UG/L(AS K)	1	0	0	1	1	0
82039	DISSOLVED-SODIUM UG/L (AS NA)	1	0	0	1	1	0

Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Parameter Code	Name	Total Obs	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	226	226	0	0	9	1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	366	301	65	0	71	3
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	1	1	0	0	1	1
82303	RADON 222, TOTAL IN WATER PC/L	1	1	0	0	1	0
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	5	0	5	0	5	0
82398	SAMPLING METHOD (CODES)	215	122	50	43	12	0
82537	TURBIDITY,FORWARD SCATTER JTU	11	3	3	5	5	1
82571	ALACHLOR(LASSO) IN TISSUE MG/KG	4	4	0	0	1	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	23	13	9	1	23	4
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	23	13	9	1	23	4
84007	ANATOMY ALPHA CODE	67	32	16	19	14	3
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	2	2	0	0	2	0
85000	STREAM MILE, ACTUAL MILES	78	26	32	20	69	4
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85682	NITROFEN TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85683	PERTHANE TISSUE,WET,WT,MG/KG	5	5	0	0	2	0
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	5	5	0	0	2	0

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0031	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	11/05/73-07/09/74	0	2	
VAFO0032	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	11/06/72-08/13/73	0	7	
VAFO0045	Yes	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/07/74-10/03/74	0	3	
VAFO0050	Yes	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/24/72-09/20/73	1	7	
VAFO0433	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/13/73-09/20/73	0	2	
VAFO0434	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	11/26/73-10/03/74	0	3	
VAFO0076	Yes	00004	STREAM WIDTH (FEET)	10/03/72-10/06/92	20	6	
VAFO0096	No	00004	STREAM WIDTH (FEET)	10/03/72-10/08/92	20	5	
VAFO0174	No	00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	0	1	
VAFO0193	No	00004	STREAM WIDTH (FEET)	10/03/72-10/09/92	20	5	
VAFO0204	No	00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	0	1	
VAFO0237	No	00004	STREAM WIDTH (FEET)	10/05/93-10/05/93	0	1	
VAFO0254	No	00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	0	1	
VAFO0310	No	00004	STREAM WIDTH (FEET)	10/03/72-10/03/72	0	1	
VAFO0333	No	00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	0	1	
VAFO0391	No	00004	STREAM WIDTH (FEET)	10/03/72-10/03/72	0	1	
VAFO0438	No	00004	STREAM WIDTH (FEET)	10/07/93-10/07/93	0	1	
VAFO0448	No	00004	STREAM WIDTH (FEET)	10/06/94-10/06/94	0	1	
VAFO0453	No	00004	STREAM WIDTH (FEET)	10/10/91-10/10/91	0	1	
VAFO0031	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	11/05/73-07/09/74	0	2	
VAFO0032	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	11/06/72-08/13/73	0	7	
VAFO0045	Yes	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/07/74-10/03/74	0	3	
VAFO0050	Yes	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/24/72-09/20/73	1	7	
VAFO0433	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	08/13/73-09/20/73	0	2	
VAFO0434	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	11/26/73-10/03/74	0	3	
VAFO0005	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/22/81-04/23/81	0	3	
VAFO0045	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/05/98-12/03/98	0	2	
VAFO0094	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/11/86-06/11/86	0	4	
VAFO0159	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/23/81-04/23/81	0	2	
VAFO0207	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/12/81-03/12/81	0	1	
VAFO0421	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/11/86-06/11/86	0	2	
VAFO0428	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/02/73-10/02/73	0	1	
VAFO0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/88-06/16/88	0	1	
VAFO0005	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0007	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/79-06/25/80	0	22	
VAFO0008	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/89-07/08/98	8	16	
VAFO0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	36	
VAFO0013	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/89-09/28/89	0	1	
VAFO0016	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/89-07/08/98	8	23	
VAFO0017	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/94-06/22/94	0	1	
VAFO0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/69-06/25/80	11	94	
VAFO0020	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/89-08/04/98	8	5	
VAFO0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0022	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/08/95-05/08/95	0	1	
VAFO0023	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/89-07/23/98	8	2	
VAFO0024	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-07/14/98	8	13	
VAFO0025	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-05/09/95	0	1	
VAFO0027	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-07/23/98	4	5	
VAFO0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/78-12/19/78	0	1	
VAFO0030	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/89-08/04/98	8	4	
VAFO0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/73-11/23/87	14	28	
VAFO0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-08/03/77	27	19	
VAFO0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/05/97	7	16	
VAFO0038	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/94-01/03/94	0	1	
VAFO0039	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/89-07/20/98	8	7	
VAFO0040	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-09/21/89	0	2	
VAFO0042	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0043	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	0	1	
VAFO0044	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	26	87	
VAFO0046	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0050	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/26-06/26/80	53	29	
VAFO0051	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	0	1	
VAFO0053	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/91-07/23/91	0	1	
VAFO0054	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/14/98	8	12	
VAFO0055	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/93-08/07/98	4	4	
VAFO0056	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	0	1	
VAFO0057	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	
VAFO0058	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	
VAFO0059	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	
VAFO0060	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0061	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/77-07/06/77	0	1	
VAFO0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	
VAFO0063	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	
VAFO0064	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	0	1	
VAFO0065	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/89-07/23/98	8	7	
VAFO0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/91-12/27/91	0	2	
VAFO0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/84-08/22/84	0	1	
VAFO0069	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-07/14/98	8	22	
VAFO0071	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-07/20/98	4	5	
VAFO0072	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/88-06/15/89	1	1242	
VAFO0073	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-07/08/98	8	24	
VAFO0074	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	38	
VAFO0075	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-12/14/93	4	3	
VAFO0076	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/06/92	20	5	
VAFO0077	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	0	1	
VAFO0079	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/78-12/28/78	0	1	
VAFO0080	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0081	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/89-07/06/98	8	14	
VAFO0083	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/20/93-08/07/98	4	4	
VAFO0084	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/94-06/23/94	0	1	
VAFO0085	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/89-07/17/98	8	16	
VAFO0087	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/89-07/12/98	8	8	
VAFO0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	0	10	
VAFO0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0091	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/16/93-12/11/96	2	3	
VAFO0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/93-07/06/98	5	14	
VAFO0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/95-04/17/95	0	1	
VAFO0096	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/08/92	20	5	
VAFO0097	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/78-12/19/78	0	1	
VAFO0098	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/89-07/13/98	8	14	
VAFO0099	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0100	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	25	29	
VAFO0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0102	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	0	1	
VAFO0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	25	40	
VAFO0107	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	0	1	
VAFO0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/84-08/30/84	0	3	
VAFO0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/90-11/22/93	3	11	
VAFO0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	0	1	
VAFO0114	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/75-11/05/79	3	2	
VAFO0115	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	24	31	
VAFO0116	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-11/22/93	3	10	
VAFO0119	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0121	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0122	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0123	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	24	22	
VAFO0124	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/76-10/31/80	4	2	
VAFO0126	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	0	10	
VAFO0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0129	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/91-12/12/91	0	1	
VAFO0130	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/91-02/22/92	0	5	
VAFO0131	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/84-11/08/84	0	1	
VAFO0132	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	26	41	
VAFO0133	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	18	36	
VAFO0137	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0139	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0140	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0141	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/74-10/30/74	0	1	
VAFO0144	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	0	1	
VAFO0145	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0147	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0149	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/78-12/19/78	0	1	
VAFO0150	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0153	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0155	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/71-11/07/95	24	24	
VAFO0156	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	0	1	
VAFO0158	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/78-12/28/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0166	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0168	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/87-08/06/87	0	1	
VAFO0169	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/91-02/22/92	0	6	
VAFO0171	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0173	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/15/69-04/15/70	0	3	
VAFO0174	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	0	2	
VAFO0175	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/78-06/25/80	1	12	
VAFO0176	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	0	1	
VAFO0178	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/90-08/31/90	0	57	
VAFO0181	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/90-08/31/90	0	57	
VAFO0182	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/90-08/31/90	0	57	
VAFO0185	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/84-10/10/84	0	1	
VAFO0186	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	0	1	
VAFO0188	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0190	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/83-10/21/83	0	1	
VAFO0191	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/98-09/10/98	0	1	
VAFO0193	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/09/92	20	5	
VAFO0196	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/84-11/08/84	0	1	
VAFO0197	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-11/22/93	3	11	
VAFO0203	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/85-04/29/85	0	1	
VAFO0204	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	0	2	
VAFO0206	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0209	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0213	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/94-03/01/94	0	1	
VAFO0214	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/94-03/01/94	0	1	
VAFO0215	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/94-03/01/94	0	1	
VAFO0216	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/83-10/21/83	0	1	
VAFO0217	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0218	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0220	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	38	
VAFO0222	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0223	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	0	1	
VAFO0225	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	0	20	
VAFO0230	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	0	20	
VAFO0232	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/31/96	29	34	
VAFO0233	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/70-10/30/78	8	5	
VAFO0234	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0235	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	0	20	
VAFO0236	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/98-12/15/98	0	1	
VAFO0237	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/93-10/05/93	0	1	
VAFO0238	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-05/09/95	0	1	
VAFO0239	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/85-04/29/85	0	1	
VAFO0240	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/85-04/29/85	0	1	
VAFO0241	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	0	21	
VAFO0243	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/90-11/29/93	3	11	
VAFO0244	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0245	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	0	10	
VAFO0246	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0247	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	0	20	
VAFO0248	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/96-12/30/98	2	3	
VAFO0249	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/90-06/07/90	0	1	
VAFO0251	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0253	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/15/98	0	23	
VAFO0254	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	0	2	
VAFO0255	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-01/07/98	2	5	
VAFO0256	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/95-09/03/96	1	3	
VAFO0257	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0258	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	0	2	
VAFO0259	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/96-09/03/96	0	3	
VAFO0260	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	0	2	
VAFO0263	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/15/98	0	21	
VAFO0265	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/96-01/07/98	1	4	
VAFO0266	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	0	2	
VAFO0267	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-09/03/96	1	4	
VAFO0268	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-01/07/98	1	4	
VAFO0269	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/81-03/25/97	16	33	
VAFO0271	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/15/98	0	20	
VAFO0272	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	0	21	
VAFO0274	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	0	2	
VAFO0275	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-12/30/98	2	4	
VAFO0278	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-11/20/97	16	38	
VAFO0280	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/90-11/29/93	3	12	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0282	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-01/07/98	2	6	
VAFO0283	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/98-12/15/98	0	9	
VAFO0284	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0285	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/98-12/15/98	0	1	
VAFO0286	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	0	1	
VAFO0287	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/04/98-12/30/98	0	2	
VAFO0289	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-12/15/98	0	3	
VAFO0291	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/98-11/18/98	0	1	
VAFO0292	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/90-06/07/90	0	1	
VAFO0294	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/98-09/10/98	0	1	
VAFO0297	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-12/15/98	0	3	
VAFO0298	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0299	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	0	1	
VAFO0300	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	0	1	
VAFO0302	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	0	1	
VAFO0303	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0304	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0310	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/03/72	0	1	
VAFO0316	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	0	1	
VAFO0318	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/85-07/05/85	0	1	
VAFO0319	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	0	1	
VAFO0322	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0324	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/70-10/26/76	6	3	
VAFO0325	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/69-10/19/82	12	13	
VAFO0327	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	0	1	
VAFO0328	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0329	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/12/84-10/12/84	0	1	
VAFO0330	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/30/98-12/30/98	0	1	
VAFO0333	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	0	2	
VAFO0334	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0335	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0338	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0339	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/83-09/02/87	3	13	
VAFO0340	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0341	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0342	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	0	1	
VAFO0343	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/30/98	0	2	
VAFO0345	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	0	1	
VAFO0346	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/69-10/11/95	25	28	
VAFO0347	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/98-10/07/98	0	2	
VAFO0348	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/05/80	0	1	
VAFO0349	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	0	1	
VAFO0352	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/87-07/08/87	0	1	
VAFO0360	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	0	1	
VAFO0363	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	0	1	
VAFO0364	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0366	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	0	1	
VAFO0369	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	0	1	
VAFO0374	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	0	1	
VAFO0375	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0378	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/84-10/11/84	0	1	
VAFO0385	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/84-10/11/84	0	1	
VAFO0386	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0387	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	0	1	
VAFO0388	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
VAFO0389	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
VAFO0391	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/03/72	0	1	
VAFO0392	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/84-10/11/84	0	1	
VAFO0394	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0395	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
VAFO0396	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/85-03/13/85	0	1	
VAFO0397	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/77-06/28/77	0	1	
VAFO0398	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0400	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/91-03/21/91	0	1	
VAFO0401	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/91-03/21/91	0	1	
VAFO0403	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/91-03/21/91	0	1	
VAFO0404	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	0	10	
VAFO0406	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	0	1	
VAFO0409	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/08/94-10/08/94	0	24	
VAFO0411	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/84-10/11/84	0	2	
VAFO0412	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
VAFO0413	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/95-05/26/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0414	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/31/69-04/15/70	1	101	
VAFO0415	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/87-08/06/87	0	1	
VAFO0420	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/69-11/13/95	26	35	
VAFO0422	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0423	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	0	1	
VAFO0425	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	0	1	
VAFO0426	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/65-04/08/65	0	1	
VAFO0428	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/69-10/12/95	25	29	
VAFO0433	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-10/28/96	46	65	
VAFO0434	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/72-12/10/87	15	71	
VAFO0437	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/67-07/15/68	0	7	
VAFO0438	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/93-10/07/93	0	1	
VAFO0439	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/15/68-09/20/68	0	2	
VAFO0440	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	0	1	
VAFO0441	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/87-08/06/87	0	1	
VAFO0442	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	18	34	
VAFO0443	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/95-05/26/95	0	1	
VAFO0444	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	26	42	
VAFO0445	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/04/68-02/04/68	0	1	
VAFO0446	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/77-06/27/77	0	1	
VAFO0447	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	0	1	
VAFO0448	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/94-10/06/94	0	1	
VAFO0449	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/95-05/25/95	0	1	
VAFO0450	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/12/95	27	54	
VAFO0451	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/68-02/26/68	0	1	
VAFO0453	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/91-10/10/91	0	1	
VAFO0454	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/69-11/06/95	25	28	
VAFO0455	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/68-08/15/68	0	20	
VAFO0456	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/91-10/26/91	0	24	
VAFO0458	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/69-10/31/96	27	21	
VAFO0459	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/77-06/27/77	0	1	
VAFO0460	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/77-06/27/77	0	1	
VAFO0461	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/67-06/19/68	0	19	
VAFO0049	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/06/97-10/06/97	0	2	
VAFO0113	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/14/85-09/25/85	0	156	
VAFO0172	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/14/85-09/25/85	0	155	
VAFO0187	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/14/85-09/25/85	0	148	
VAFO0011	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	32	
VAFO0026	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/09/95-05/09/95	0	1	
VAFO0074	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	27	
VAFO0076	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-09/28/89	16	4	
VAFO0096	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-09/28/89	16	4	
VAFO0100	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	25	22	
VAFO0106	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	25	29	
VAFO0115	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/24/96	24	14	
VAFO0123	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/24/96	24	16	
VAFO0132	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	26	36	
VAFO0133	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	18	30	
VAFO0155	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/11/71-11/07/95	24	16	
VAFO0173	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/69-04/15/70	0	3	
VAFO0193	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-09/28/89	16	4	
VAFO0220	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	29	
VAFO0232	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-10/31/96	26	17	
VAFO0269	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/27/81-03/25/97	16	25	
VAFO0278	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-11/20/97	16	28	
VAFO0310	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-10/03/72	0	1	
VAFO0325	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/13/69-10/19/82	12	7	
VAFO0346	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/11/69-10/11/95	25	21	
VAFO0391	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-10/03/72	0	1	
VAFO0414	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/31/69-04/15/70	1	101	
VAFO0420	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-11/13/95	26	22	
VAFO0428	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/69-10/12/95	25	21	
VAFO0433	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-10/28/96	26	21	
VAFO0442	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	18	28	
VAFO0444	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	26	32	
VAFO0450	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/12/95	25	21	
VAFO0453	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/10/91-10/10/91	0	1	
VAFO0454	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-11/06/95	25	21	
VAFO0458	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/31/96	27	16	
VAFO0005	Yes	00023	SAMPLE WEIGHT IN POUNDS	04/23/81-04/23/81	0	1	
VAFO0094	No	00023	SAMPLE WEIGHT IN POUNDS	06/11/86-06/11/86	0	4	
VAFO0229	No	00023	SAMPLE WEIGHT IN POUNDS	07/09/73-07/09/73	0	19	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	00024	SAMPLE LENGTH IN INCHES	04/23/81-04/23/81	0	1	
VAFO0094	No	00024	SAMPLE LENGTH IN INCHES	06/11/86-06/11/86	0	4	
VAFO0159	No	00024	SAMPLE LENGTH IN INCHES	04/23/81-04/23/81	0	1	
VAFO0229	No	00024	SAMPLE LENGTH IN INCHES	07/09/73-07/09/73	0	19	
VAFO0017	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/22/94-06/22/94	0	1	
VAFO0019	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/17/69-04/17/69	0	1	
VAFO0022	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/08/95-05/08/95	0	1	
VAFO0025	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/09/95-05/09/95	0	1	
VAFO0031	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/05/73-07/09/74	0	2	
VAFO0032	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/25/50-08/03/77	27	23	
VAFO0034	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/22/94-06/22/94	0	1	
VAFO0045	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/07/74-10/03/74	0	3	
VAFO0050	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/25/26-08/08/77	50	39	
VAFO0067	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/22/84-08/22/84	0	1	
VAFO0084	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/23/94-06/23/94	0	1	
VAFO0095	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/17/95-04/17/95	0	2	
VAFO0115	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/09/71-10/24/96	24	34	
VAFO0123	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/09/71-10/24/96	24	26	
VAFO0155	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/21/70-11/07/95	25	29	
VAFO0185	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/10/84-10/10/84	0	1	
VAFO0190	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/21/83-10/21/83	0	1	
VAFO0203	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/24/84-04/29/85	0	2	
VAFO0212	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/29/85-04/29/85	0	1	
VAFO0216	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/21/83-10/21/83	0	1	
VAFO0232	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/05/70-10/31/96	26	29	
VAFO0239	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/29/85-04/29/85	0	1	
VAFO0240	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/29/85-04/29/85	0	1	
VAFO0318	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/05/85-07/05/85	0	1	
VAFO0325	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/29/70-10/19/82	12	11	
VAFO0329	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/12/84-10/12/84	0	1	
VAFO0339	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/21/83-09/02/87	3	13	
VAFO0346	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/11/69-10/02/96	26	32	
VAFO0357	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/02/87-09/02/87	0	1	
VAFO0370	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/02/87-09/02/87	0	1	
VAFO0376	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/02/87-09/02/87	0	1	
VAFO0378	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/11/84-10/11/84	0	1	
VAFO0381	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/02/87-09/02/87	0	1	
VAFO0385	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/11/84-10/11/84	0	1	
VAFO0389	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/13/94-06/13/94	0	1	
VAFO0392	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/11/84-10/11/84	0	1	
VAFO0396	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/13/85-03/13/85	0	1	
VAFO0411	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/22/84-10/11/84	0	2	
VAFO0420	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/29/70-11/06/96	26	37	
VAFO0428	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/10/69-10/12/95	25	31	
VAFO0433	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/25/50-10/28/96	46	43	
VAFO0434	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/26/73-10/03/74	0	3	
VAFO0450	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/28/70-10/12/95	25	33	
VAFO0454	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/20/70-11/06/95	25	20	
VAFO0458	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/28/70-10/31/96	26	21	
VAFO0001	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/15/79-11/15/79	0	1	
VAFO0003	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/15/79-11/15/79	0	1	
VAFO0007	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/06/79-06/25/80	0	22	
VAFO0017	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/22/94-06/22/94	0	1	
VAFO0019	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/17/69-06/25/80	11	16	
VAFO0022	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/09/95-05/09/95	0	1	
VAFO0028	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/22/94-06/22/94	0	1	
VAFO0050	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/06/79-06/26/80	0	7	
VAFO0067	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/22/84-08/22/84	0	1	
VAFO0068	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/17/95-04/17/95	0	2	
VAFO0097	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/19/78-12/19/78	0	1	
VAFO0115	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/09/71-10/24/96	24	37	
VAFO0123	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/09/71-10/24/96	24	28	
VAFO0135	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/14/79-11/14/79	0	1	
VAFO0149	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/19/78-11/14/79	0	2	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0155	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/21/70-11/07/95	25	29	
VAFO0158	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/28/78-11/14/79	0	2	
VAFO0175	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/28/78-06/25/80	1	14	
VAFO0185	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/10/84-10/10/84	0	1	
VAFO0190	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/21/83-10/21/83	0	1	
VAFO0203	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/24/84-04/29/85	0	2	
VAFO0212	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/29/85-04/29/85	0	1	
VAFO0216	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/21/83-10/21/83	0	1	
VAFO0232	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/12/69-10/31/96	26	33	
VAFO0239	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/29/85-04/29/85	0	1	
VAFO0240	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	04/29/85-04/29/85	0	1	
VAFO0314	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/13/79-11/13/79	0	1	
VAFO0318	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/05/85-07/05/85	0	1	
VAFO0320	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/06/79-12/06/79	0	1	
VAFO0325	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/13/69-10/19/82	12	19	
VAFO0329	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/12/84-10/12/84	0	1	
VAFO0339	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/21/83-09/02/87	3	13	
VAFO0346	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/11/69-10/02/96	26	32	
VAFO0357	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/02/87-09/02/87	0	1	
VAFO0370	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/02/87-09/02/87	0	1	
VAFO0376	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/02/87-09/02/87	0	1	
VAFO0378	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/11/84-10/11/84	0	1	
VAFO0381	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/02/87-09/02/87	0	1	
VAFO0385	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/11/84-10/11/84	0	1	
VAFO0389	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/13/94-06/13/94	0	1	
VAFO0392	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/11/84-10/11/84	0	1	
VAFO0396	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/13/85-03/13/85	0	1	
VAFO0411	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/22/84-10/11/84	0	2	
VAFO0420	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/12/69-11/06/96	26	43	
VAFO0428	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/10/69-10/12/95	25	31	
VAFO0433	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/10/69-10/28/96	26	34	
VAFO0450	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/22/69-10/12/95	25	40	
VAFO0454	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/10/69-11/06/95	25	29	
VAFO0458	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/22/69-10/31/96	27	27	
VAFO0168	No	00040	WIND DIRECTION, AZIMUTH	08/06/87-08/06/87	0	1	
VAFO0115	No	00041	WEATHER (WMO CODE 4501)	10/21/83-10/24/96	13	10	
VAFO0123	No	00041	WEATHER (WMO CODE 4501)	10/21/83-10/24/96	13	9	
VAFO0155	No	00041	WEATHER (WMO CODE 4501)	10/20/83-10/18/93	9	9	
VAFO0232	No	00041	WEATHER (WMO CODE 4501)	10/18/83-10/31/96	13	10	
VAFO0346	No	00041	WEATHER (WMO CODE 4501)	10/09/84-10/26/94	10	10	
VAFO0420	No	00041	WEATHER (WMO CODE 4501)	10/20/83-11/01/94	11	11	
VAFO0428	No	00041	WEATHER (WMO CODE 4501)	10/17/83-10/25/94	11	10	
VAFO0433	No	00041	WEATHER (WMO CODE 4501)	10/20/83-10/28/96	13	11	
VAFO0450	No	00041	WEATHER (WMO CODE 4501)	10/18/83-10/25/94	11	11	
VAFO0454	No	00041	WEATHER (WMO CODE 4501)	10/20/83-10/27/94	11	11	
VAFO0458	No	00041	WEATHER (WMO CODE 4501)	10/05/84-10/31/96	12	9	
VAFO0076	Yes	00055	VELOCITY, STREAM FT/SEC	10/03/72-10/06/92	20	5	
VAFO0096	No	00055	VELOCITY, STREAM FT/SEC	10/03/72-10/08/92	20	5	
VAFO0174	No	00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	0	2	
VAFO0193	No	00055	VELOCITY, STREAM FT/SEC	10/03/72-10/09/92	20	5	
VAFO0204	No	00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	0	2	
VAFO0237	No	00055	VELOCITY, STREAM FT/SEC	10/05/93-10/05/93	0	1	
VAFO0254	No	00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	0	2	
VAFO0310	No	00055	VELOCITY, STREAM FT/SEC	10/03/72-10/03/72	0	1	
VAFO0333	No	00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	0	2	
VAFO0391	No	00055	VELOCITY, STREAM FT/SEC	10/03/72-10/03/72	0	1	
VAFO0438	No	00055	VELOCITY, STREAM FT/SEC	10/07/93-10/07/93	0	1	
VAFO0448	No	00055	VELOCITY, STREAM FT/SEC	10/06/94-10/06/94	0	1	
VAFO0453	No	00055	VELOCITY, STREAM FT/SEC	10/10/91-10/10/91	0	1	
VAFO0045	Yes	00057	FLOW, INDICATES IT HAS BEEN CHECKED	10/22/82-06/04/96	13	78	T
VAFO0032	No	00058	FLOW, RATE GALLONS/MIN	05/25/50-05/25/50	0	1	
VAFO0050	Yes	00058	FLOW, RATE GALLONS/MIN	04/04/63-05/13/65	2	4	
VAFO0433	No	00058	FLOW, RATE GALLONS/MIN	05/25/50-08/07/67	17	4	
VAFO0019	No	00060	FLOW, STREAM, MEAN DAILY CFS	03/11/69-02/02/73	3	84	
VAFO0031	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/12/73-08/07/78	5	24	
VAFO0045	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	10/22/82-07/02/96	13	80	T
VAFO0232	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/20/67-08/09/68	0	14	
VAFO0413	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/26/95-05/26/95	0	1	
VAFO0433	No	00060	FLOW, STREAM, MEAN DAILY CFS	02/12/69-05/09/72	3	33	
VAFO0434	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/29/72-08/08/78	5	30	
VAFO0437	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/19/67-01/18/68	0	3	
VAFO0439	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/15/68-09/20/68	0	2	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0443	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/26/95-05/26/95	0	1	
VAFO0449	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/25/95-05/25/95	0	1	
VAFO0450	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/20/67-08/09/68	0	22	
VAFO0455	No	00060	FLOW, STREAM, MEAN DAILY CFS	03/13/68-08/15/68	0	17	
VAFO0461	No	00060	FLOW, STREAM, MEAN DAILY CFS	12/12/67-06/19/68	0	20	
VAFO0007	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/06/79-09/06/79	0	1	
VAFO0019	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/06/79-06/25/80	0	13	
VAFO0031	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/06/79-11/23/87	7	31	
VAFO0032	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/25/70-02/17/76	5	2	
VAFO0045	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	18	43	
VAFO0050	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/73-06/26/80	7	8	
VAFO0067	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/22/84-08/22/84	0	1	
VAFO0076	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/06/92	20	6	
VAFO0096	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/08/92	20	5	
VAFO0115	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	14	20	
VAFO0123	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	14	12	
VAFO0155	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/70-11/07/95	25	16	
VAFO0156	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/91-07/09/91	0	1	
VAFO0174	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	0	1	
VAFO0175	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/06/79-09/06/79	0	1	
VAFO0185	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/10/84-10/10/84	0	1	
VAFO0188	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0193	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/09/92	20	5	
VAFO0204	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	0	1	
VAFO0225	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/31/98-03/31/98	0	1	
VAFO0232	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-10/31/96	26	15	
VAFO0233	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/05/70-10/23/74	4	5	
VAFO0234	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0237	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/93-10/05/93	0	1	
VAFO0244	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0248	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/14/96-05/14/96	0	1	
VAFO0252	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/12/84-10/12/84	0	1	
VAFO0253	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/98-12/15/98	0	17	
VAFO0254	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	0	1	
VAFO0255	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/03/96-09/03/96	0	1	
VAFO0263	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/98-12/15/98	0	16	
VAFO0268	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/18/96-07/18/96	0	1	
VAFO0272	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/15/98-12/15/98	0	1	
VAFO0282	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/14/96-09/03/96	0	3	
VAFO0284	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0286	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	0	1	
VAFO0289	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	0	1	
VAFO0297	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	0	1	
VAFO0298	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0302	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	0	1	
VAFO0310	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/03/72	0	1	
VAFO0316	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/91-07/09/91	0	1	
VAFO0322	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0324	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/29/70-09/28/71	0	2	
VAFO0325	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/13/69-10/19/82	12	6	
VAFO0328	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0329	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/12/84-10/12/84	0	1	
VAFO0333	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	0	1	
VAFO0338	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0339	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/20/84-09/02/87	3	12	
VAFO0345	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	0	1	
VAFO0346	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/11/69-10/11/95	25	18	
VAFO0357	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	0	1	
VAFO0370	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	0	1	
VAFO0376	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	0	1	
VAFO0378	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	0	1	
VAFO0381	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	0	1	
VAFO0385	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	0	1	
VAFO0387	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	0	1	
VAFO0391	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/03/72	0	1	
VAFO0392	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	0	1	
VAFO0396	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/85-03/13/85	0	1	
VAFO0406	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/91-07/09/91	0	1	
VAFO0411	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/22/84-10/11/84	0	2	
VAFO0414	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/15/69-04/15/70	0	4	
VAFO0418	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	0	1	
VAFO0420	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-11/13/95	26	28	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0428	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/69-10/12/95	25	20	
VAFO0433	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-10/28/96	26	28	
VAFO0434	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	11	95	
VAFO0438	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/93-10/07/93	0	1	
VAFO0440	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/91-07/09/91	0	1	
VAFO0448	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/94-10/06/94	0	1	
VAFO0450	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/12/95	25	27	
VAFO0453	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/10/91-10/10/91	0	1	
VAFO0454	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-11/06/95	25	18	
VAFO0458	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/31/96	27	16	
VAFO0076	Yes	00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/06/92	20	5	
VAFO0096	No	00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/08/92	20	5	
VAFO0174	No	00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	0	2	
VAFO0193	No	00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/09/92	20	5	
VAFO0204	No	00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	0	2	
VAFO0237	No	00064	DEPTH OF STREAM, MEAN (FT)	10/05/93-10/05/93	0	1	
VAFO0254	No	00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	0	2	
VAFO0310	No	00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/03/72	0	1	
VAFO0333	No	00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	0	2	
VAFO0391	No	00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/03/72	0	1	
VAFO0438	No	00064	DEPTH OF STREAM, MEAN (FT)	10/07/93-10/07/93	0	1	
VAFO0448	No	00064	DEPTH OF STREAM, MEAN (FT)	10/06/94-10/06/94	0	1	
VAFO0453	No	00064	DEPTH OF STREAM, MEAN (FT)	10/10/91-10/10/91	0	1	
VAFO0007	Yes	00065	STAGE, STREAM (FEET)	09/06/79-06/25/80	0	22	
VAFO0019	No	00065	STAGE, STREAM (FEET)	09/06/79-06/25/80	0	13	
VAFO0031	No	00065	STAGE, STREAM (FEET)	02/17/76-11/23/87	11	42	
VAFO0045	Yes	00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	22	58	
VAFO0047	Yes	00065	STAGE, STREAM (FEET)	01/31/94-09/17/95	1	349	
VAFO0050	Yes	00065	STAGE, STREAM (FEET)	09/06/79-06/26/80	0	7	
VAFO0115	No	00065	STAGE, STREAM (FEET)	11/07/94-10/30/95	0	2	
VAFO0123	No	00065	STAGE, STREAM (FEET)	10/21/83-10/30/95	12	3	
VAFO0175	No	00065	STAGE, STREAM (FEET)	09/06/79-06/25/80	0	12	
VAFO0232	No	00065	STAGE, STREAM (FEET)	10/15/81-10/31/96	15	5	
VAFO0325	No	00065	STAGE, STREAM (FEET)	10/20/81-10/20/81	0	1	
VAFO0433	No	00065	STAGE, STREAM (FEET)	05/27/71-10/28/96	25	6	
VAFO0434	No	00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	109	
VAFO0450	No	00065	STAGE, STREAM (FEET)	10/16/81-10/12/95	13	4	
VAFO0031	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/12/73-06/11/75	2	6	
VAFO0032	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/29/72-08/03/77	4	13	
VAFO0045	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/17/73-06/23/75	2	10	
VAFO0050	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/14/69-08/08/77	8	20	
VAFO0433	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/13/73-08/19/76	3	10	
VAFO0434	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/29/72-08/11/77	4	16	
VAFO0042	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0046	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0102	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0103	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0104	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	0	1	
VAFO0105	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0119	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0120	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0121	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0137	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0144	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	0	1	
VAFO0145	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0150	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0171	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0176	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	0	1	
VAFO0209	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0218	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0222	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0251	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0257	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0300	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	0	1	
VAFO0303	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0304	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0327	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	0	1	
VAFO0334	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0335	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0340	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0341	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0363	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	0	1	
VAFO0364	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0366	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	0	1	
VAFO0375	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0379	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0386	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0394	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0398	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0422	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0423	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	0	1	
VAFO0425	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	0	1	
VAFO0031	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/77-02/16/82	4	18	
VAFO0045	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/77-02/09/82	4	17	
VAFO0076	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/86-10/06/92	6	2	
VAFO0096	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/86-10/08/92	6	2	
VAFO0115	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/21/83-10/05/92	8	8	
VAFO0123	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/21/83-10/05/92	8	9	
VAFO0155	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/13/92	8	9	
VAFO0193	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/86-10/09/92	6	2	
VAFO0232	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/18/83-10/06/92	8	9	
VAFO0237	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/05/93-10/05/93	0	1	
VAFO0346	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/83-10/06/92	8	10	
VAFO0420	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/08/92	8	10	
VAFO0428	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/83-10/07/92	8	9	
VAFO0433	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/14/92	8	10	
VAFO0434	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/77-04/05/82	4	32	
VAFO0438	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/07/93-10/07/93	0	1	
VAFO0448	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/06/94-10/06/94	0	1	
VAFO0450	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/18/83-10/03/91	7	8	
VAFO0453	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/10/91-10/10/91	0	1	
VAFO0454	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/14/92	8	10	
VAFO0458	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/05/84-10/03/91	6	6	
VAFO0019	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/11/69-03/03/72	2	25	
VAFO0031	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/17/76-02/17/76	0	1	
VAFO0032	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	02/22/61-10/05/72	11	8	
VAFO0232	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/12/67-06/12/68	0	3	
VAFO0327	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/19/75-06/19/75	0	1	
VAFO0426	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/08/65-04/08/65	0	1	
VAFO0433	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-05/09/72	21	31	
VAFO0436	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	0	1	
VAFO0437	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	0	1	
VAFO0439	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/15/68-09/20/68	0	2	
VAFO0445	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	0	1	
VAFO0450	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	0	1	
VAFO0451	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/26/68-02/26/68	0	1	
VAFO0173	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/15/69-04/15/70	0	3	
VAFO0414	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	07/15/69-04/15/70	0	4	
VAFO0011	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	16	36	
VAFO0031	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/73-08/22/85	12	24	
VAFO0044	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	25	75	T,A
VAFO0046	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0074	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	16	40	
VAFO0076	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-10/07/92	20	6	
VAFO0089	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	0	10	
VAFO0096	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-10/07/92	20	6	
VAFO0099	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0100	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	25	30	
VAFO0102	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0105	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0106	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	25	39	
VAFO0110	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/84-08/30/84	0	3	
VAFO0115	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/31/80-10/31/80	0	1	
VAFO0119	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0121	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0126	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	0	10	
VAFO0128	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0131	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/08/84-11/08/84	0	1	
VAFO0132	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	26	41	
VAFO0133	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	18	36	
VAFO0137	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	07/11/78-07/11/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0139	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0145	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0156	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	0	1	
VAFO0166	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0168	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/87-08/06/87	0	1	
VAFO0171	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0174	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	0	2	
VAFO0188	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0193	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-10/07/92	20	6	
VAFO0196	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/08/84-11/08/84	0	1	
VAFO0204	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	0	2	
VAFO0206	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0209	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0217	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0218	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0220	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	16	38	
VAFO0222	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0223	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	0	1	
VAFO0234	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0244	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0245	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	0	10	
VAFO0246	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0248	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/96-12/30/98	2	2	
VAFO0251	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0253	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0254	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	0	2	
VAFO0255	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-01/07/98	2	4	
VAFO0256	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-09/03/96	1	3	
VAFO0257	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0258	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	0	2	
VAFO0259	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/96-09/03/96	0	3	
VAFO0260	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	0	2	
VAFO0263	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0265	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/96-01/07/98	1	4	
VAFO0266	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	0	2	
VAFO0267	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-09/03/96	1	3	
VAFO0268	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-01/07/98	1	4	
VAFO0269	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/81-03/25/97	16	33	
VAFO0271	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0274	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	0	2	
VAFO0275	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-12/30/98	2	3	
VAFO0278	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-11/20/97	16	39	
VAFO0282	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-01/07/98	2	5	
VAFO0283	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0284	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0285	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0287	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/30/98-12/30/98	0	1	
VAFO0289	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0297	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	0	1	
VAFO0298	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0308	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/27/78-09/27/78	0	1	
VAFO0310	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-09/27/78	5	2	
VAFO0315	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/27/78-09/27/78	0	1	
VAFO0316	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	0	1	
VAFO0322	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0328	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0330	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/30/98-12/30/98	0	1	
VAFO0333	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	0	2	
VAFO0334	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0335	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0338	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0343	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/07/98-12/30/98	0	2	
VAFO0363	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	0	1	
VAFO0366	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0387	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	0	1	
VAFO0388	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
VAFO0391	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-09/27/78	5	2	
VAFO0395	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
VAFO0400	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/21/91-03/21/91	0	1	
VAFO0401	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/21/91-03/21/91	0	1	
VAFO0403	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/21/91-03/21/91	0	1	
VAFO0404	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	03/10/94-12/14/94	0	10	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0406	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	0	1	
VAFO0412	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
VAFO0413	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/26/95-05/26/95	0	1	
VAFO0415	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/87-08/06/87	0	1	
VAFO0434	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/73-12/10/87	14	49	
VAFO0440	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	0	1	
VAFO0441	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/87-08/06/87	0	1	
VAFO0442	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	18	35	
VAFO0443	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/26/95-05/26/95	0	1	
VAFO0444	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	26	42	
VAFO0447	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	0	1	
VAFO0449	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/95-05/25/95	0	1	
VAFO0007	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/06/79-06/25/80	0	22	
VAFO0008	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/89-07/08/98	8	7	
VAFO0013	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/89-09/28/89	0	1	
VAFO0016	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/21/89-07/08/98	8	11	
VAFO0017	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/94-06/22/94	0	1	
VAFO0019	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/69-06/25/80	11	41	
VAFO0020	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/89-08/04/98	8	3	
VAFO0022	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/08/95-05/08/95	0	1	
VAFO0023	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/98-07/23/98	0	1	
VAFO0024	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-07/14/98	8	5	
VAFO0025	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/09/95-05/09/95	0	1	
VAFO0027	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/97-07/23/98	1	2	
VAFO0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/78-12/19/78	0	1	
VAFO0030	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/89-08/04/98	8	2	
VAFO0031	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/73-11/23/87	14	48	
VAFO0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-08/03/77	27	21	
VAFO0035	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-07/05/97	7	8	
VAFO0039	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/89-07/20/98	8	3	
VAFO0040	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-09/21/89	0	2	
VAFO0041	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/25/91-09/25/91	0	1	
VAFO0042	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/73-11/17/87	14	51	
VAFO0050	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/61-06/26/80	19	26	
VAFO0053	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/91-07/23/91	0	1	
VAFO0054	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-07/14/98	8	9	
VAFO0055	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/97-08/07/98	1	2	
VAFO0061	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/77-07/06/77	0	1	
VAFO0065	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/89-07/23/98	8	3	
VAFO0066	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/91-12/27/91	0	3	
VAFO0067	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/84-08/22/84	0	1	
VAFO0069	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-07/14/98	8	15	
VAFO0071	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/97-07/20/98	1	2	
VAFO0073	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-07/08/98	8	15	
VAFO0074	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-10/31/85	3	12	
VAFO0075	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-09/25/91	2	3	
VAFO0079	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/78-12/28/78	0	1	
VAFO0080	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0081	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/89-07/06/98	8	5	
VAFO0083	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/98-08/07/98	0	1	
VAFO0084	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/94-06/23/94	0	1	
VAFO0085	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/89-07/17/98	8	7	
VAFO0087	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/89-07/12/98	8	5	
VAFO0091	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-12/11/96	2	2	
VAFO0093	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/27/94-07/06/98	4	6	
VAFO0095	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/95-04/17/95	0	1	
VAFO0097	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/78-12/19/78	0	1	
VAFO0098	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/89-07/13/98	8	6	
VAFO0101	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0102	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0103	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	0	1	
VAFO0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-08/05/85	3	11	
VAFO0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/84-08/30/84	0	3	
VAFO0111	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/90-12/27/91	1	10	
VAFO0114	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/75-11/05/79	3	2	
VAFO0115	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	24	31	
VAFO0116	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/19/90-12/27/91	1	10	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0119	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0120	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0122	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0123	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	24	22	
VAFO0124	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/29/76-10/31/80	4	2	
VAFO0129	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/91-12/12/91	0	1	
VAFO0130	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/91-02/04/92	0	4	
VAFO0137	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0141	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/74-10/30/74	0	1	
VAFO0144	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	0	1	
VAFO0149	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/78-12/19/78	0	1	
VAFO0150	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0155	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/71-11/07/95	24	24	
VAFO0158	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/78-12/28/78	0	1	
VAFO0169	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/13/91-02/04/92	0	5	
VAFO0171	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0173	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/69-04/15/70	0	3	
VAFO0175	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/78-06/25/80	1	13	
VAFO0176	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	0	1	
VAFO0177	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	0	1	
VAFO0180	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	0	1	
VAFO0183	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	0	1	
VAFO0185	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/84-10/10/84	0	1	
VAFO0190	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/83-10/21/83	0	1	
VAFO0197	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-12/27/91	1	9	
VAFO0198	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	0	1	
VAFO0203	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	0	1	
VAFO0209	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0212	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	0	1	
VAFO0216	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/83-10/21/83	0	1	
VAFO0220	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-10/31/85	3	12	
VAFO0232	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/67-10/31/96	28	28	
VAFO0233	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/70-10/30/78	8	5	
VAFO0237	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/93-10/05/93	0	1	
VAFO0239	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	0	1	
VAFO0240	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	0	1	
VAFO0243	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/90-12/27/91	1	10	
VAFO0278	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-08/05/85	3	10	
VAFO0280	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/90-12/27/91	1	10	
VAFO0288	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	0	1	
VAFO0300	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	0	1	
VAFO0301	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	0	1	
VAFO0303	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0304	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0318	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/85-07/05/85	0	1	
VAFO0324	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/29/70-10/26/76	6	3	
VAFO0325	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/69-10/19/82	12	12	
VAFO0327	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	0	1	
VAFO0329	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/84-10/12/84	0	1	
VAFO0334	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0339	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/83-09/02/87	3	13	
VAFO0340	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0341	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0346	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/69-10/11/95	25	28	
VAFO0348	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/05/80	0	1	
VAFO0357	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	0	1	
VAFO0364	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0366	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	0	1	
VAFO0370	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	0	1	
VAFO0375	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0376	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	0	1	
VAFO0378	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/11/84-10/11/84	0	1	
VAFO0379	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0381	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	0	1	
VAFO0385	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/11/84-10/11/84	0	1	
VAFO0386	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0389	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
VAFO0392	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/11/84-10/11/84	0	1	
VAFO0394	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0396	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/85-03/13/85	0	1	
VAFO0397	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/77-06/28/77	0	1	
VAFO0398	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/25/69-06/25/69	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0409	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/94-10/06/94	0	1	
VAFO0411	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/84-10/11/84	0	2	
VAFO0414	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/31/69-04/15/70	1	101	
VAFO0420	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/69-11/13/95	26	35	
VAFO0422	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0423	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
VAFO0425	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	0	1	
VAFO0426	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/65-04/08/65	0	1	
VAFO0428	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/69-10/12/95	25	29	
VAFO0433	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-10/28/96	46	69	T,S
VAFO0434	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	15	116	T,A
VAFO0435	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/94-10/06/94	0	1	
VAFO0436	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-04/14/68	0	2	
VAFO0437	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-07/15/68	0	5	
VAFO0438	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/93-10/07/93	0	1	
VAFO0439	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/68-09/20/68	0	2	
VAFO0445	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-04/14/68	0	2	
VAFO0446	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/77-06/27/77	0	1	
VAFO0450	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-10/12/95	27	37	
VAFO0451	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/68-02/26/68	0	1	
VAFO0453	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/91-10/10/91	0	1	
VAFO0454	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/69-11/06/95	25	29	
VAFO0455	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/68-07/15/68	0	3	
VAFO0457	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/94-10/06/94	0	1	
VAFO0458	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/69-10/31/96	27	21	
VAFO0459	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/77-06/27/77	0	1	
VAFO0460	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/77-06/27/77	0	1	
VAFO0461	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/68-04/14/68	0	1	
VAFO0002	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0043	Yes	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0051	Yes	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0056	Yes	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0076	Yes	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/03/72-10/07/92	20	6	
VAFO0077	Yes	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0096	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/03/72-10/07/92	20	6	
VAFO0107	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0112	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0186	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0193	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/03/72-10/07/92	20	6	
VAFO0237	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/05/93-10/05/93	0	1	
VAFO0308	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	09/27/78-09/27/78	0	1	
VAFO0310	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/03/72-09/27/78	5	2	
VAFO0315	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	09/27/78-09/27/78	0	1	
VAFO0344	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0352	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0355	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	08/21/87-08/21/87	0	1	
VAFO0391	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/03/72-09/27/78	5	2	
VAFO0409	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/06/94-10/06/94	0	1	
VAFO0435	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/06/94-10/06/94	0	1	
VAFO0438	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/07/93-10/07/93	0	1	
VAFO0453	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/10/91-10/10/91	0	1	
VAFO0457	No	00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	10/06/94-10/06/94	0	1	
VAFO0008	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/89-07/08/98	8	16	
VAFO0013	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/28/89-09/28/89	0	1	
VAFO0016	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/89-07/08/98	8	22	
VAFO0020	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/24/89-08/04/98	8	5	
VAFO0023	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/01/89-07/23/98	8	2	
VAFO0024	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-07/14/98	8	13	
VAFO0027	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/12/93-07/23/98	4	5	
VAFO0030	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/18/89-08/04/98	8	4	
VAFO0035	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/05/97	7	15	
VAFO0038	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/03/94-01/03/94	0	1	
VAFO0039	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/89-07/20/98	8	7	
VAFO0040	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-09/21/89	0	2	
VAFO0042	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0054	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/14/98	8	12	
VAFO0055	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/93-08/07/98	4	4	
VAFO0057	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	
VAFO0058	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	
VAFO0059	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	
VAFO0060	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0062	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	
VAFO0063	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	
VAFO0064	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	0	1	
VAFO0065	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/24/89-07/23/98	8	7	
VAFO0066	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/28/91-12/27/91	0	2	
VAFO0069	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-07/14/98	8	22	
VAFO0071	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/12/93-07/20/98	4	5	
VAFO0072	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/88-06/15/89	1	1243	
VAFO0073	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-07/08/98	8	24	
VAFO0075	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-12/14/93	4	3	
VAFO0080	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0081	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/89-07/06/98	8	14	
VAFO0083	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/20/93-08/07/98	4	4	
VAFO0085	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/89-07/17/98	8	16	
VAFO0087	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/89-07/12/98	8	8	
VAFO0089	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-12/14/94	0	9	
VAFO0091	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/16/93-12/11/96	2	3	
VAFO0093	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/93-07/06/98	5	14	
VAFO0098	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/89-07/13/98	8	14	
VAFO0099	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0101	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0102	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0103	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0111	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/13/90-11/22/93	3	11	
VAFO0116	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-11/22/93	3	9	
VAFO0119	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0120	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0121	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/76-03/01/76	0	1	
VAFO0122	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0126	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-12/14/94	0	9	
VAFO0128	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0129	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/12/91	0	1	
VAFO0130	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/91-02/22/92	0	5	
VAFO0131	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/84-11/08/84	0	1	
VAFO0137	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0139	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0150	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0156	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	0	1	
VAFO0166	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0169	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/13/91-02/22/92	0	6	
VAFO0171	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0174	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	0	2	
VAFO0188	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0191	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/10/98-09/10/98	0	1	
VAFO0196	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/84-11/08/84	0	1	
VAFO0197	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-11/22/93	3	11	
VAFO0204	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	0	2	
VAFO0206	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0209	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0213	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/94-03/01/94	0	1	
VAFO0214	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/94-03/01/94	0	1	
VAFO0215	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/94-03/01/94	0	1	
VAFO0217	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0223	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	0	1	
VAFO0225	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	0	20	
VAFO0230	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	0	20	
VAFO0234	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0235	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	0	20	
VAFO0236	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/98-12/15/98	0	1	
VAFO0238	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-05/09/95	0	1	
VAFO0241	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	0	23	
VAFO0243	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/90-11/29/93	3	11	
VAFO0244	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0245	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-11/15/94	0	8	
VAFO0247	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	0	21	
VAFO0248	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/96-12/30/98	2	3	
VAFO0251	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0253	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	0	25	
VAFO0254	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	0	2	
VAFO0255	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-01/07/98	2	5	
VAFO0256	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/95-09/03/96	1	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0257	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/76-03/01/76	0	1	
VAFO0258	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	0	2	
VAFO0259	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/96-09/03/96	0	3	
VAFO0260	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	0	2	
VAFO0261	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	0	1	
VAFO0262	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	0	1	
VAFO0263	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	0	23	
VAFO0264	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	0	1	
VAFO0265	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/96-01/07/98	1	4	
VAFO0266	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	0	2	
VAFO0267	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-09/03/96	1	4	
VAFO0268	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-01/07/98	1	4	
VAFO0270	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	0	1	
VAFO0271	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	0	22	
VAFO0272	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	0	23	
VAFO0273	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	0	1	
VAFO0274	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	0	2	
VAFO0275	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-12/30/98	2	4	
VAFO0277	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	0	1	
VAFO0280	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/90-11/29/93	3	12	
VAFO0282	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-01/07/98	2	6	
VAFO0283	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/02/98-12/15/98	0	11	
VAFO0284	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0285	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/98-12/15/98	0	1	
VAFO0286	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	0	2	
VAFO0287	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/04/98-12/30/98	0	2	
VAFO0289	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-12/15/98	0	5	
VAFO0291	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/18/98-11/18/98	0	1	
VAFO0293	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/28/98-10/28/98	0	1	
VAFO0294	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/10/98-09/10/98	0	1	
VAFO0297	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-12/15/98	0	4	
VAFO0298	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0299	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	0	2	
VAFO0302	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	0	2	
VAFO0303	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0304	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0316	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	0	1	
VAFO0322	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0328	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0330	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/30/98-12/30/98	0	1	
VAFO0333	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	0	2	
VAFO0334	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0338	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0340	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0341	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0343	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/30/98	0	2	
VAFO0345	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	0	2	
VAFO0347	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/10/98-10/07/98	0	2	
VAFO0349	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	0	1	
VAFO0360	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	0	1	
VAFO0364	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	0	1	
VAFO0366	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	0	1	
VAFO0369	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	0	1	
VAFO0374	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	0	1	
VAFO0375	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0386	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0387	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	0	1	
VAFO0388	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	0	1	
VAFO0394	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0395	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	0	1	
VAFO0398	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0400	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/91-03/21/91	0	1	
VAFO0401	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/91-03/21/91	0	1	
VAFO0403	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/91-03/21/91	0	1	
VAFO0404	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-11/15/94	0	7	
VAFO0406	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	0	1	
VAFO0412	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	0	1	
VAFO0422	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0425	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	0	1	
VAFO0440	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	0	1	
VAFO0447	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	0	1	
VAFO0002	No	00300	OXYGEN, DISSOLVED MG/L	06/16/88-06/16/88	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	0	1	
VAFO0011	No	00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	16	35	
VAFO0017	Yes	00300	OXYGEN, DISSOLVED MG/L	06/22/94-06/22/94	0	1	
VAFO0021	No	00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	0	1	
VAFO0022	Yes	00300	OXYGEN, DISSOLVED MG/L	05/08/95-05/08/95	0	1	
VAFO0025	Yes	00300	OXYGEN, DISSOLVED MG/L	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00300	OXYGEN, DISSOLVED MG/L	05/09/95-05/09/95	0	1	
VAFO0031	No	00300	OXYGEN, DISSOLVED MG/L	06/11/75-11/23/87	12	24	
VAFO0032	No	00300	OXYGEN, DISSOLVED MG/L	09/25/70-08/03/77	6	6	
VAFO0043	Yes	00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	0	1	
VAFO0045	Yes	00300	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	26	79	T,A
VAFO0049	Yes	00300	OXYGEN, DISSOLVED MG/L	10/06/97-10/06/97	0	4	
VAFO0050	Yes	00300	OXYGEN, DISSOLVED MG/L	07/24/72-08/08/77	5	5	
VAFO0051	Yes	00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	0	1	
VAFO0056	Yes	00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	0	1	
VAFO0074	Yes	00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	16	36	
VAFO0076	Yes	00300	OXYGEN, DISSOLVED MG/L	10/03/72-10/07/92	20	6	
VAFO0077	Yes	00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	0	1	
VAFO0084	Yes	00300	OXYGEN, DISSOLVED MG/L	06/23/94-06/23/94	0	1	
VAFO0090	No	00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	0	1	
VAFO0095	Yes	00300	OXYGEN, DISSOLVED MG/L	04/17/95-04/17/95	0	1	
VAFO0096	No	00300	OXYGEN, DISSOLVED MG/L	10/03/72-10/07/92	20	6	
VAFO0100	No	00300	OXYGEN, DISSOLVED MG/L	06/09/83-10/20/97	14	27	
VAFO0106	No	00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	16	37	
VAFO0107	No	00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	0	1	
VAFO0110	No	00300	OXYGEN, DISSOLVED MG/L	03/26/84-08/30/84	0	3	
VAFO0112	No	00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	0	1	
VAFO0114	No	00300	OXYGEN, DISSOLVED MG/L	11/11/75-11/11/75	0	1	
VAFO0115	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/24/96	22	18	
VAFO0123	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/24/96	22	19	
VAFO0124	No	00300	OXYGEN, DISSOLVED MG/L	10/29/76-10/31/80	4	2	
VAFO0132	No	00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	26	39	
VAFO0133	No	00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	18	35	
VAFO0147	No	00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	0	1	
VAFO0153	No	00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	0	1	
VAFO0155	No	00300	OXYGEN, DISSOLVED MG/L	10/25/74-11/07/95	21	20	
VAFO0168	No	00300	OXYGEN, DISSOLVED MG/L	08/06/87-08/06/87	0	1	
VAFO0173	No	00300	OXYGEN, DISSOLVED MG/L	10/15/69-04/15/70	0	3	
VAFO0178	No	00300	OXYGEN, DISSOLVED MG/L	06/07/90-06/07/90	0	1	
VAFO0182	No	00300	OXYGEN, DISSOLVED MG/L	06/07/90-06/07/90	0	1	
VAFO0186	No	00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	0	1	
VAFO0193	No	00300	OXYGEN, DISSOLVED MG/L	10/03/72-09/28/89	16	5	
VAFO0220	No	00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	16	38	
VAFO0232	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/31/96	22	20	
VAFO0233	No	00300	OXYGEN, DISSOLVED MG/L	10/30/78-10/30/78	0	1	
VAFO0237	No	00300	OXYGEN, DISSOLVED MG/L	10/05/93-10/09/93	0	25	
VAFO0269	No	00300	OXYGEN, DISSOLVED MG/L	01/27/81-03/25/97	16	33	
VAFO0278	No	00300	OXYGEN, DISSOLVED MG/L	06/18/81-11/20/97	16	37	
VAFO0310	No	00300	OXYGEN, DISSOLVED MG/L	10/03/72-09/27/78	5	2	
VAFO0319	No	00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	0	1	
VAFO0324	No	00300	OXYGEN, DISSOLVED MG/L	10/26/76-10/26/76	0	1	
VAFO0325	No	00300	OXYGEN, DISSOLVED MG/L	10/24/74-10/19/82	7	7	
VAFO0342	No	00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	0	1	
VAFO0346	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/11/95	20	22	
VAFO0348	No	00300	OXYGEN, DISSOLVED MG/L	10/01/73-11/05/80	7	2	
VAFO0352	No	00300	OXYGEN, DISSOLVED MG/L	07/08/87-07/08/87	0	1	
VAFO0389	No	00300	OXYGEN, DISSOLVED MG/L	06/13/94-06/13/94	0	1	
VAFO0391	No	00300	OXYGEN, DISSOLVED MG/L	10/03/72-09/27/78	5	2	
VAFO0409	No	00300	OXYGEN, DISSOLVED MG/L	10/06/94-10/08/94	0	25	
VAFO0413	No	00300	OXYGEN, DISSOLVED MG/L	05/26/95-05/26/95	0	1	
VAFO0414	No	00300	OXYGEN, DISSOLVED MG/L	03/31/69-04/15/70	1	101	
VAFO0415	No	00300	OXYGEN, DISSOLVED MG/L	08/06/87-08/06/87	0	1	
VAFO0420	No	00300	OXYGEN, DISSOLVED MG/L	10/24/74-11/13/95	21	20	
VAFO0428	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/12/95	20	21	
VAFO0433	No	00300	OXYGEN, DISSOLVED MG/L	08/13/73-10/28/96	23	19	
VAFO0434	No	00300	OXYGEN, DISSOLVED MG/L	11/29/72-12/10/87	15	60	T
VAFO0435	No	00300	OXYGEN, DISSOLVED MG/L	10/06/94-10/06/94	0	1	
VAFO0437	No	00300	OXYGEN, DISSOLVED MG/L	07/15/68-07/15/68	0	1	
VAFO0438	No	00300	OXYGEN, DISSOLVED MG/L	10/07/93-10/07/93	0	1	
VAFO0441	No	00300	OXYGEN, DISSOLVED MG/L	08/06/87-08/06/87	0	1	
VAFO0442	No	00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	18	33	
VAFO0443	No	00300	OXYGEN, DISSOLVED MG/L	05/26/95-05/26/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0444	No	00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	26	35	
VAFO0449	No	00300	OXYGEN, DISSOLVED MG/L	05/25/95-05/25/95	0	1	
VAFO0450	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/12/95	20	20	
VAFO0453	No	00300	OXYGEN, DISSOLVED MG/L	10/10/91-10/10/91	0	1	
VAFO0454	No	00300	OXYGEN, DISSOLVED MG/L	10/25/74-11/06/95	21	22	
VAFO0455	No	00300	OXYGEN, DISSOLVED MG/L	06/27/68-07/15/68	0	3	
VAFO0456	No	00300	OXYGEN, DISSOLVED MG/L	10/25/91-10/26/91	0	24	
VAFO0457	No	00300	OXYGEN, DISSOLVED MG/L	10/06/94-10/06/94	0	1	
VAFO0458	No	00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/31/96	22	15	
VAFO0168	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/06/87-08/06/87	0	1	
VAFO0237	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/08/93-10/09/93	0	24	
VAFO0409	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/08/94-10/08/94	0	24	
VAFO0415	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/06/87-08/06/87	0	1	
VAFO0441	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/06/87-08/06/87	0	1	
VAFO0456	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/25/91-10/26/91	0	24	
VAFO0045	Yes	00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	4	54	A
VAFO0031	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/78-08/26/87	9	24	
VAFO0032	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/06/72-08/23/73	0	4	
VAFO0042	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	11/21/72-11/17/87	14	31	
VAFO0046	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0050	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/14/69-02/15/73	3	11	
VAFO0080	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0101	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0102	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0103	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0104	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	0	1	
VAFO0105	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0119	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0120	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0121	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0122	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0137	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0140	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/72-06/07/72	0	1	
VAFO0144	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	0	1	
VAFO0145	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0150	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0156	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	0	1	
VAFO0171	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0173	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/15/69-04/15/70	0	3	
VAFO0176	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	0	1	
VAFO0209	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0218	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0222	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0248	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	0	1	
VAFO0251	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0257	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0275	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	0	1	
VAFO0287	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	0	1	
VAFO0300	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	0	1	
VAFO0303	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0304	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0316	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	0	1	
VAFO0327	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	0	1	
VAFO0330	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	0	1	
VAFO0334	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0335	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0340	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0341	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0343	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	0	1	
VAFO0363	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	0	1	
VAFO0364	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0366	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	0	1	
VAFO0375	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0379	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0386	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0394	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0398	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0400	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/21/91-03/21/91	0	1	
VAFO0401	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/21/91-03/21/91	0	1	
VAFO0403	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/21/91-03/21/91	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0406	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	0	1	
VAFO0414	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/15/69-04/15/70	0	4	
VAFO0422	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0423	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	0	1	
VAFO0425	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	0	1	
VAFO0434	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	7	70	A
VAFO0440	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	0	1	
VAFO0447	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	0	1	
VAFO0455	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/26/68-06/26/68	0	1	
VAFO0434	No	00312	BOD, 6 DAY, 20 DEG C MG/L	12/26/85-12/26/85	0	1	
VAFO0045	Yes	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	4	54	A
VAFO0048	Yes	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-11/22/93	0	8	
VAFO0088	Yes	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/25/93-11/22/93	0	7	
VAFO0089	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	1	18	
VAFO0126	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	1	18	
VAFO0160	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	0	1	
VAFO0163	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/31/94	0	2	
VAFO0189	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/31/94-01/31/94	0	1	
VAFO0200	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/31/94-01/31/94	0	1	
VAFO0201	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	0	1	
VAFO0208	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-06/24/93	0	3	
VAFO0213	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/01/94-03/01/94	0	1	
VAFO0214	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/01/94-03/01/94	0	1	
VAFO0215	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/01/94-03/01/94	0	1	
VAFO0238	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-05/09/95	0	1	
VAFO0242	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	0	1	
VAFO0245	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	1	18	
VAFO0248	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/14/96-12/30/98	2	3	
VAFO0250	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-06/24/93	0	3	
VAFO0255	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-01/07/98	2	5	
VAFO0256	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	08/23/95-09/03/96	1	3	
VAFO0258	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	0	2	
VAFO0259	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/14/96-09/03/96	0	3	
VAFO0260	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	0	2	
VAFO0265	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/14/96-01/07/98	1	5	
VAFO0266	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	0	2	
VAFO0267	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-09/03/96	1	4	
VAFO0268	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-01/07/98	1	4	
VAFO0274	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	0	2	
VAFO0275	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-12/30/98	2	4	
VAFO0279	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	10/30/96-10/30/96	0	1	
VAFO0281	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	0	1	
VAFO0282	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-01/07/98	2	6	
VAFO0287	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/04/98-12/30/98	0	2	
VAFO0290	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	0	1	
VAFO0295	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	10/30/96-10/30/96	0	1	
VAFO0306	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	0	1	
VAFO0307	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	0	1	
VAFO0330	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	0	1	
VAFO0343	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/07/98-12/30/98	0	2	
VAFO0349	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	0	1	
VAFO0350	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	0	1	
VAFO0360	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	0	1	
VAFO0361	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	0	1	
VAFO0369	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	0	1	
VAFO0374	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	0	1	
VAFO0388	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	06/14/94-06/14/94	0	1	
VAFO0395	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	06/14/94-06/14/94	0	1	
VAFO0404	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	1	18	
VAFO0412	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	06/14/94-06/14/94	0	1	
VAFO0424	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-06/24/93	0	3	
VAFO0011	No	00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	15	36	
VAFO0044	Yes	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0074	Yes	00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	15	38	
VAFO0100	No	00335	COD, .025N K2CR2O7 MG/L	11/09/71-03/17/97	25	31	
VAFO0102	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0106	No	00335	COD, .025N K2CR2O7 MG/L	09/03/70-03/17/97	26	42	
VAFO0110	No	00335	COD, .025N K2CR2O7 MG/L	03/26/84-08/30/84	0	3	
VAFO0119	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0132	No	00335	COD, .025N K2CR2O7 MG/L	01/18/70-03/18/97	27	49	
VAFO0133	No	00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	17	37	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0137	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0171	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0209	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0220	No	00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	15	39	
VAFO0251	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0269	No	00335	COD, .025N K2CR2O7 MG/L	01/27/81-03/25/97	16	35	
VAFO0278	No	00335	COD, .025N K2CR2O7 MG/L	02/23/71-03/17/97	26	40	
VAFO0334	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0366	No	00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	0	1	
VAFO0442	No	00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	17	35	
VAFO0444	No	00335	COD, .025N K2CR2O7 MG/L	01/11/70-03/18/97	27	43	
VAFO0031	No	00340	COD, .25N K2CR2O7 MG/L	08/07/78-11/25/86	8	6	
VAFO0032	No	00340	COD, .25N K2CR2O7 MG/L	10/09/75-10/09/75	0	1	
VAFO0045	Yes	00340	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	23	60	T,A
VAFO0048	Yes	00340	COD, .25N K2CR2O7 MG/L	04/29/93-11/22/93	0	7	
VAFO0050	Yes	00340	COD, .25N K2CR2O7 MG/L	02/17/70-10/15/75	5	2	
VAFO0088	Yes	00340	COD, .25N K2CR2O7 MG/L	05/25/93-11/22/93	0	6	
VAFO0089	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	1	17	
VAFO0115	No	00340	COD, .25N K2CR2O7 MG/L	11/09/71-10/12/73	1	3	
VAFO0123	No	00340	COD, .25N K2CR2O7 MG/L	11/09/71-10/12/73	1	4	
VAFO0126	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	1	17	
VAFO0155	No	00340	COD, .25N K2CR2O7 MG/L	05/21/70-10/04/73	3	6	
VAFO0160	No	00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	0	1	
VAFO0163	No	00340	COD, .25N K2CR2O7 MG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/31/94	0	2	
VAFO0189	No	00340	COD, .25N K2CR2O7 MG/L	01/31/94-01/31/94	0	1	
VAFO0200	No	00340	COD, .25N K2CR2O7 MG/L	01/31/94-01/31/94	0	1	
VAFO0201	No	00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	0	1	
VAFO0208	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-06/24/93	0	3	
VAFO0213	No	00340	COD, .25N K2CR2O7 MG/L	03/01/94-03/01/94	0	1	
VAFO0214	No	00340	COD, .25N K2CR2O7 MG/L	03/01/94-03/01/94	0	1	
VAFO0215	No	00340	COD, .25N K2CR2O7 MG/L	03/01/94-03/01/94	0	1	
VAFO0232	No	00340	COD, .25N K2CR2O7 MG/L	11/12/69-10/01/73	3	4	
VAFO0238	No	00340	COD, .25N K2CR2O7 MG/L	05/09/95-05/09/95	0	1	
VAFO0242	No	00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	0	1	
VAFO0245	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	1	17	
VAFO0248	No	00340	COD, .25N K2CR2O7 MG/L	05/14/96-12/30/98	2	3	
VAFO0250	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-06/24/93	0	3	
VAFO0255	No	00340	COD, .25N K2CR2O7 MG/L	05/09/95-01/07/98	2	5	
VAFO0256	No	00340	COD, .25N K2CR2O7 MG/L	08/23/95-09/03/96	1	3	
VAFO0258	No	00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	0	2	
VAFO0259	No	00340	COD, .25N K2CR2O7 MG/L	05/14/96-09/03/96	0	3	
VAFO0260	No	00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	0	2	
VAFO0265	No	00340	COD, .25N K2CR2O7 MG/L	05/14/96-01/07/98	1	5	
VAFO0266	No	00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	0	2	
VAFO0267	No	00340	COD, .25N K2CR2O7 MG/L	05/09/95-09/03/96	1	4	
VAFO0268	No	00340	COD, .25N K2CR2O7 MG/L	07/18/96-01/07/98	1	4	
VAFO0274	No	00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	0	2	
VAFO0275	No	00340	COD, .25N K2CR2O7 MG/L	07/18/96-12/30/98	2	4	
VAFO0279	No	00340	COD, .25N K2CR2O7 MG/L	10/30/96-10/30/96	0	1	
VAFO0281	No	00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	0	1	
VAFO0282	No	00340	COD, .25N K2CR2O7 MG/L	05/09/95-01/07/98	2	6	
VAFO0287	No	00340	COD, .25N K2CR2O7 MG/L	11/04/98-12/30/98	0	2	
VAFO0290	No	00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	0	1	
VAFO0295	No	00340	COD, .25N K2CR2O7 MG/L	10/30/96-10/30/96	0	1	
VAFO0306	No	00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	0	1	
VAFO0307	No	00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	0	1	
VAFO0325	No	00340	COD, .25N K2CR2O7 MG/L	11/13/69-10/02/73	3	6	
VAFO0330	No	00340	COD, .25N K2CR2O7 MG/L	12/30/98-12/30/98	0	1	
VAFO0343	No	00340	COD, .25N K2CR2O7 MG/L	01/07/98-12/30/98	0	2	
VAFO0346	No	00340	COD, .25N K2CR2O7 MG/L	11/11/69-10/01/73	3	6	
VAFO0349	No	00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	0	1	
VAFO0350	No	00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	0	1	
VAFO0360	No	00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	0	1	
VAFO0361	No	00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	0	1	
VAFO0369	No	00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	0	1	
VAFO0374	No	00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	0	1	
VAFO0388	No	00340	COD, .25N K2CR2O7 MG/L	06/14/94-06/14/94	0	1	
VAFO0395	No	00340	COD, .25N K2CR2O7 MG/L	06/14/94-06/14/94	0	1	
VAFO0404	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	1	18	
VAFO0412	No	00340	COD, .25N K2CR2O7 MG/L	06/14/94-06/14/94	0	1	
VAFO0420	No	00340	COD, .25N K2CR2O7 MG/L	02/19/70-10/02/73	3	5	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0424	No	00340	COD, .25N K2CR2O7 MG/L	04/29/93-06/24/93	0	3	
VAFO0428	No	00340	COD, .25N K2CR2O7 MG/L	02/18/70-10/02/73	3	7	
VAFO0433	No	00340	COD, .25N K2CR2O7 MG/L	12/10/69-10/15/75	5	8	
VAFO0434	No	00340	COD, .25N K2CR2O7 MG/L	04/02/75-01/29/81	5	8	
VAFO0450	No	00340	COD, .25N K2CR2O7 MG/L	10/22/69-10/02/73	3	6	
VAFO0454	No	00340	COD, .25N K2CR2O7 MG/L	12/10/69-10/30/72	2	4	
VAFO0458	No	00340	COD, .25N K2CR2O7 MG/L	10/22/69-10/02/73	3	6	
VAFO0007	Yes	00400	PH (STANDARD UNITS)	09/06/79-06/25/80	0	22	
VAFO0017	Yes	00400	PH (STANDARD UNITS)	06/22/94-06/22/94	0	1	
VAFO0019	No	00400	PH (STANDARD UNITS)	03/11/69-06/25/80	11	40	
VAFO0022	Yes	00400	PH (STANDARD UNITS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	00400	PH (STANDARD UNITS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00400	PH (STANDARD UNITS)	05/09/95-05/09/95	0	1	
VAFO0028	No	00400	PH (STANDARD UNITS)	12/19/78-12/19/78	0	1	
VAFO0031	No	00400	PH (STANDARD UNITS)	04/12/73-11/23/87	14	26	
VAFO0032	No	00400	PH (STANDARD UNITS)	05/25/50-08/03/77	27	14	
VAFO0045	Yes	00400	PH (STANDARD UNITS)	11/21/72-12/03/98	26	83	T,A
VAFO0050	Yes	00400	PH (STANDARD UNITS)	02/22/61-06/26/80	19	35	
VAFO0061	No	00400	PH (STANDARD UNITS)	07/06/77-07/06/77	0	1	
VAFO0067	No	00400	PH (STANDARD UNITS)	08/22/84-08/22/84	0	1	
VAFO0079	Yes	00400	PH (STANDARD UNITS)	12/28/78-12/28/78	0	1	
VAFO0084	Yes	00400	PH (STANDARD UNITS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	00400	PH (STANDARD UNITS)	04/17/95-04/17/95	0	1	
VAFO0097	No	00400	PH (STANDARD UNITS)	12/19/78-12/19/78	0	1	
VAFO0114	No	00400	PH (STANDARD UNITS)	11/11/75-11/05/79	3	2	
VAFO0115	No	00400	PH (STANDARD UNITS)	11/09/71-10/24/96	24	31	
VAFO0123	No	00400	PH (STANDARD UNITS)	11/09/71-10/24/96	24	22	
VAFO0124	No	00400	PH (STANDARD UNITS)	10/29/76-10/31/80	4	2	
VAFO0141	No	00400	PH (STANDARD UNITS)	10/30/74-10/30/74	0	1	
VAFO0149	No	00400	PH (STANDARD UNITS)	12/19/78-12/19/78	0	1	
VAFO0155	No	00400	PH (STANDARD UNITS)	05/11/71-11/07/95	24	24	
VAFO0158	No	00400	PH (STANDARD UNITS)	12/28/78-12/28/78	0	1	
VAFO0173	No	00400	PH (STANDARD UNITS)	10/15/69-04/15/70	0	3	
VAFO0175	No	00400	PH (STANDARD UNITS)	12/28/78-06/25/80	1	13	
VAFO0185	No	00400	PH (STANDARD UNITS)	10/10/84-10/10/84	0	1	
VAFO0190	No	00400	PH (STANDARD UNITS)	10/21/83-10/21/83	0	1	
VAFO0203	No	00400	PH (STANDARD UNITS)	04/29/85-04/29/85	0	1	
VAFO0212	No	00400	PH (STANDARD UNITS)	04/29/85-04/29/85	0	1	
VAFO0216	No	00400	PH (STANDARD UNITS)	10/21/83-10/21/83	0	1	
VAFO0232	No	00400	PH (STANDARD UNITS)	12/12/67-10/31/96	28	25	
VAFO0233	No	00400	PH (STANDARD UNITS)	05/05/70-10/30/78	8	5	
VAFO0239	No	00400	PH (STANDARD UNITS)	04/29/85-04/29/85	0	1	
VAFO0240	No	00400	PH (STANDARD UNITS)	04/29/85-04/29/85	0	1	
VAFO0318	No	00400	PH (STANDARD UNITS)	07/05/85-07/05/85	0	1	
VAFO0324	No	00400	PH (STANDARD UNITS)	09/29/70-10/26/76	6	3	
VAFO0325	No	00400	PH (STANDARD UNITS)	11/13/69-10/19/82	12	13	
VAFO0329	No	00400	PH (STANDARD UNITS)	10/12/84-10/12/84	0	1	
VAFO0339	No	00400	PH (STANDARD UNITS)	10/21/83-09/02/87	3	13	
VAFO0346	No	00400	PH (STANDARD UNITS)	11/11/69-10/11/95	25	28	
VAFO0348	No	00400	PH (STANDARD UNITS)	11/05/80-11/05/80	0	1	
VAFO0357	No	00400	PH (STANDARD UNITS)	09/02/87-09/02/87	0	1	
VAFO0370	No	00400	PH (STANDARD UNITS)	09/02/87-09/02/87	0	1	
VAFO0376	No	00400	PH (STANDARD UNITS)	09/02/87-09/02/87	0	1	
VAFO0378	No	00400	PH (STANDARD UNITS)	10/11/84-10/11/84	0	1	
VAFO0381	No	00400	PH (STANDARD UNITS)	09/02/87-09/02/87	0	1	
VAFO0385	No	00400	PH (STANDARD UNITS)	10/11/84-10/11/84	0	1	
VAFO0389	No	00400	PH (STANDARD UNITS)	06/13/94-06/13/94	0	1	
VAFO0392	No	00400	PH (STANDARD UNITS)	10/11/84-10/11/84	0	1	
VAFO0396	No	00400	PH (STANDARD UNITS)	03/13/85-03/13/85	0	1	
VAFO0397	No	00400	PH (STANDARD UNITS)	06/28/77-06/28/77	0	1	
VAFO0411	No	00400	PH (STANDARD UNITS)	08/22/84-10/11/84	0	2	
VAFO0414	No	00400	PH (STANDARD UNITS)	03/31/69-04/15/70	1	101	
VAFO0420	No	00400	PH (STANDARD UNITS)	11/12/69-11/13/95	26	35	
VAFO0426	No	00400	PH (STANDARD UNITS)	04/08/65-04/08/65	0	1	
VAFO0428	No	00400	PH (STANDARD UNITS)	11/10/69-10/12/95	25	29	
VAFO0433	No	00400	PH (STANDARD UNITS)	05/25/50-10/28/96	46	62	T,S
VAFO0434	No	00400	PH (STANDARD UNITS)	11/29/72-12/10/87	15	62	T
VAFO0436	No	00400	PH (STANDARD UNITS)	02/04/68-02/04/68	0	1	
VAFO0437	No	00400	PH (STANDARD UNITS)	02/04/68-07/15/68	0	4	
VAFO0439	No	00400	PH (STANDARD UNITS)	05/15/68-09/20/68	0	2	
VAFO0445	No	00400	PH (STANDARD UNITS)	02/04/68-02/04/68	0	1	
VAFO0446	No	00400	PH (STANDARD UNITS)	06/27/77-06/27/77	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0450	No	00400	PH (STANDARD UNITS)	02/04/68-10/12/95	27	37	
VAFO0451	No	00400	PH (STANDARD UNITS)	02/26/68-02/26/68	0	1	
VAFO0454	No	00400	PH (STANDARD UNITS)	12/10/69-11/06/95	25	28	
VAFO0455	No	00400	PH (STANDARD UNITS)	05/28/68-07/15/68	0	9	
VAFO0458	No	00400	PH (STANDARD UNITS)	10/22/69-10/31/96	27	21	
VAFO0459	No	00400	PH (STANDARD UNITS)	06/27/77-06/27/77	0	1	
VAFO0460	No	00400	PH (STANDARD UNITS)	06/27/77-06/27/77	0	1	
VAFO0008	Yes	00403	PH, LAB, STANDARD UNITS SU	04/15/93-07/08/98	5	15	
VAFO0011	No	00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	15	36	
VAFO0013	Yes	00403	PH, LAB, STANDARD UNITS SU	09/28/89-09/28/89	0	1	
VAFO0016	Yes	00403	PH, LAB, STANDARD UNITS SU	07/21/89-07/08/98	8	23	
VAFO0020	Yes	00403	PH, LAB, STANDARD UNITS SU	08/24/89-08/04/98	8	5	
VAFO0023	Yes	00403	PH, LAB, STANDARD UNITS SU	08/01/89-07/23/98	8	2	
VAFO0024	Yes	00403	PH, LAB, STANDARD UNITS SU	08/08/89-07/14/98	8	13	
VAFO0027	Yes	00403	PH, LAB, STANDARD UNITS SU	08/12/93-07/23/98	4	5	
VAFO0030	Yes	00403	PH, LAB, STANDARD UNITS SU	08/18/89-08/04/98	8	4	
VAFO0031	No	00403	PH, LAB, STANDARD UNITS SU	04/12/73-11/23/87	14	60	T
VAFO0035	Yes	00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/05/97	7	16	
VAFO0038	Yes	00403	PH, LAB, STANDARD UNITS SU	01/03/94-01/03/94	0	1	
VAFO0039	Yes	00403	PH, LAB, STANDARD UNITS SU	08/12/93-07/20/98	4	6	
VAFO0040	Yes	00403	PH, LAB, STANDARD UNITS SU	08/08/89-09/21/89	0	2	
VAFO0042	Yes	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00403	PH, LAB, STANDARD UNITS SU	11/21/72-11/17/87	14	63	T
VAFO0046	Yes	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0053	Yes	00403	PH, LAB, STANDARD UNITS SU	07/23/91-07/23/91	0	1	
VAFO0054	Yes	00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/14/98	8	12	
VAFO0055	Yes	00403	PH, LAB, STANDARD UNITS SU	08/10/93-08/07/98	4	4	
VAFO0057	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0058	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0059	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0060	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0062	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0063	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0064	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	0	1	
VAFO0065	Yes	00403	PH, LAB, STANDARD UNITS SU	08/24/89-07/23/98	8	7	
VAFO0066	No	00403	PH, LAB, STANDARD UNITS SU	08/28/91-12/27/91	0	2	
VAFO0067	No	00403	PH, LAB, STANDARD UNITS SU	08/22/84-08/22/84	0	1	
VAFO0069	Yes	00403	PH, LAB, STANDARD UNITS SU	08/08/89-07/14/98	8	21	
VAFO0071	Yes	00403	PH, LAB, STANDARD UNITS SU	08/12/93-07/20/98	4	5	
VAFO0073	Yes	00403	PH, LAB, STANDARD UNITS SU	06/19/90-07/08/98	8	25	
VAFO0074	Yes	00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	15	38	
VAFO0075	Yes	00403	PH, LAB, STANDARD UNITS SU	08/08/89-12/14/93	4	3	
VAFO0080	Yes	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0081	Yes	00403	PH, LAB, STANDARD UNITS SU	04/15/93-07/06/98	5	13	
VAFO0083	No	00403	PH, LAB, STANDARD UNITS SU	12/20/93-08/07/98	4	4	
VAFO0085	Yes	00403	PH, LAB, STANDARD UNITS SU	08/03/89-07/17/98	8	16	
VAFO0087	Yes	00403	PH, LAB, STANDARD UNITS SU	05/12/93-07/12/98	5	7	
VAFO0091	No	00403	PH, LAB, STANDARD UNITS SU	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00403	PH, LAB, STANDARD UNITS SU	12/16/93-12/11/96	2	3	
VAFO0093	Yes	00403	PH, LAB, STANDARD UNITS SU	04/06/93-07/06/98	5	14	
VAFO0098	No	00403	PH, LAB, STANDARD UNITS SU	09/22/93-07/13/98	4	13	
VAFO0100	No	00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	25	30	
VAFO0101	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0102	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0103	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0104	No	00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0105	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0106	No	00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	25	40	
VAFO0110	No	00403	PH, LAB, STANDARD UNITS SU	03/26/84-08/30/84	0	3	
VAFO0111	No	00403	PH, LAB, STANDARD UNITS SU	06/13/90-11/22/93	3	11	
VAFO0115	No	00403	PH, LAB, STANDARD UNITS SU	10/31/80-10/05/92	11	20	
VAFO0116	No	00403	PH, LAB, STANDARD UNITS SU	06/19/90-11/22/93	3	9	
VAFO0119	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0120	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0121	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0122	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0123	No	00403	PH, LAB, STANDARD UNITS SU	10/16/81-10/05/92	10	11	
VAFO0125	No	00403	PH, LAB, STANDARD UNITS SU	05/19/93-05/19/93	0	1	
VAFO0129	No	00403	PH, LAB, STANDARD UNITS SU	12/12/91-12/12/91	0	1	
VAFO0130	No	00403	PH, LAB, STANDARD UNITS SU	12/21/91-02/22/92	0	5	
VAFO0132	No	00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	25	42	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0133	No	00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	17	37	
VAFO0137	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0142	No	00403	PH, LAB, STANDARD UNITS SU	03/07/91-09/18/91	0	2	
VAFO0144	No	00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0145	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0150	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0155	No	00403	PH, LAB, STANDARD UNITS SU	11/10/80-10/13/92	11	12	
VAFO0168	No	00403	PH, LAB, STANDARD UNITS SU	08/06/87-08/06/87	0	1	
VAFO0169	No	00403	PH, LAB, STANDARD UNITS SU	12/13/91-02/22/92	0	6	
VAFO0171	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0176	No	00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0177	No	00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	0	1	
VAFO0180	No	00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	0	1	
VAFO0183	No	00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	0	1	
VAFO0185	No	00403	PH, LAB, STANDARD UNITS SU	10/10/84-10/10/84	0	1	
VAFO0190	No	00403	PH, LAB, STANDARD UNITS SU	10/21/83-10/21/83	0	1	
VAFO0197	No	00403	PH, LAB, STANDARD UNITS SU	06/19/90-11/22/93	3	10	
VAFO0198	No	00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	0	1	
VAFO0203	No	00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	0	1	
VAFO0209	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0212	No	00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	0	1	
VAFO0216	No	00403	PH, LAB, STANDARD UNITS SU	10/21/83-10/21/83	0	1	
VAFO0218	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0220	No	00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	15	39	
VAFO0222	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0232	No	00403	PH, LAB, STANDARD UNITS SU	10/15/81-10/06/92	10	11	
VAFO0239	No	00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	0	1	
VAFO0240	No	00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	0	1	
VAFO0243	No	00403	PH, LAB, STANDARD UNITS SU	06/14/90-11/29/93	3	11	
VAFO0251	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0257	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0269	No	00403	PH, LAB, STANDARD UNITS SU	01/27/81-03/25/97	16	35	
VAFO0278	No	00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	15	39	
VAFO0280	No	00403	PH, LAB, STANDARD UNITS SU	06/14/90-11/29/93	3	11	
VAFO0300	No	00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0303	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0304	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0325	No	00403	PH, LAB, STANDARD UNITS SU	10/20/81-10/19/82	0	2	
VAFO0327	No	00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0329	No	00403	PH, LAB, STANDARD UNITS SU	10/12/84-10/12/84	0	1	
VAFO0334	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0335	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0339	No	00403	PH, LAB, STANDARD UNITS SU	10/21/83-09/02/87	3	12	
VAFO0340	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0341	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0346	No	00403	PH, LAB, STANDARD UNITS SU	10/29/80-10/06/92	11	13	
VAFO0357	No	00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	0	1	
VAFO0363	No	00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	0	1	
VAFO0364	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0366	No	00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0370	No	00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	0	1	
VAFO0375	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0376	No	00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	0	1	
VAFO0378	No	00403	PH, LAB, STANDARD UNITS SU	10/11/84-10/11/84	0	1	
VAFO0379	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0381	No	00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	0	1	
VAFO0385	No	00403	PH, LAB, STANDARD UNITS SU	10/11/84-10/11/84	0	1	
VAFO0386	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0389	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
VAFO0392	No	00403	PH, LAB, STANDARD UNITS SU	10/11/84-10/11/84	0	1	
VAFO0394	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0396	No	00403	PH, LAB, STANDARD UNITS SU	03/13/85-03/13/85	0	1	
VAFO0398	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0400	No	00403	PH, LAB, STANDARD UNITS SU	03/21/91-03/21/91	0	1	
VAFO0401	No	00403	PH, LAB, STANDARD UNITS SU	03/21/91-03/21/91	0	1	
VAFO0403	No	00403	PH, LAB, STANDARD UNITS SU	03/21/91-03/21/91	0	1	
VAFO0411	No	00403	PH, LAB, STANDARD UNITS SU	08/22/84-10/11/84	0	2	
VAFO0413	No	00403	PH, LAB, STANDARD UNITS SU	05/26/95-05/26/95	0	1	
VAFO0420	No	00403	PH, LAB, STANDARD UNITS SU	11/05/80-10/08/92	11	22	
VAFO0422	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0423	No	00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	0	1	
VAFO0425	No	00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0428	No	00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/07/92	11	12	
VAFO0433	No	00403	PH, LAB, STANDARD UNITS SU	11/06/80-10/14/92	11	13	
VAFO0434	No	00403	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	15	125	T,A
VAFO0442	No	00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	17	35	
VAFO0443	No	00403	PH, LAB, STANDARD UNITS SU	05/26/95-05/26/95	0	1	
VAFO0444	No	00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	25	43	
VAFO0449	No	00403	PH, LAB, STANDARD UNITS SU	05/25/95-05/25/95	0	1	
VAFO0450	No	00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/03/91	10	20	
VAFO0452	No	00403	PH, LAB, STANDARD UNITS SU	03/26/91-03/06/96	4	3	
VAFO0454	No	00403	PH, LAB, STANDARD UNITS SU	11/06/80-10/14/92	11	13	
VAFO0458	No	00403	PH, LAB, STANDARD UNITS SU	10/05/84-10/03/91	6	6	
VAFO0019	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/71-03/03/72	0	2	
VAFO0032	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/25/50-11/21/56	6	3	
VAFO0049	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/06/97-10/06/97	0	2	
VAFO0050	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	02/22/61-07/08/68	7	7	
VAFO0115	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/73-10/27/78	5	5	
VAFO0123	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/73-10/27/78	5	5	
VAFO0141	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/30/74-10/30/74	0	1	
VAFO0155	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/04/73-10/31/78	5	6	
VAFO0232	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/01/73-10/19/77	4	5	
VAFO0325	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/31/78	5	5	
VAFO0346	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/01/73-10/30/78	5	6	
VAFO0420	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/26/76	3	4	
VAFO0426	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/08/65-04/08/65	0	1	
VAFO0428	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/30/78	5	6	
VAFO0433	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/25/50-10/25/74	24	6	
VAFO0450	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/19/77	4	5	
VAFO0454	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/04/73-11/01/78	5	6	
VAFO0458	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/21/76	3	4	
VAFO0002	No	00406	PH, FIELD, STANDARD UNITS SU	06/16/88-06/16/88	0	1	
VAFO0011	No	00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	7	15	
VAFO0043	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	0	1	
VAFO0044	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0049	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/06/97-10/06/97	0	4	
VAFO0051	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	0	1	
VAFO0056	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	0	1	
VAFO0074	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	7	15	
VAFO0076	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/03/72-10/07/92	20	6	
VAFO0077	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	0	1	
VAFO0080	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0089	No	00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	0	9	
VAFO0096	No	00406	PH, FIELD, STANDARD UNITS SU	10/03/72-10/07/92	20	6	
VAFO0099	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0100	No	00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	7	15	
VAFO0101	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0102	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0104	No	00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0106	No	00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	7	16	
VAFO0107	No	00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	0	1	
VAFO0112	No	00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	0	1	
VAFO0119	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0122	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0126	No	00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	0	9	
VAFO0128	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0131	No	00406	PH, FIELD, STANDARD UNITS SU	11/08/84-11/08/84	0	1	
VAFO0132	No	00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	7	15	
VAFO0133	No	00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	7	16	
VAFO0137	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0139	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0144	No	00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0156	No	00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	0	1	
VAFO0166	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0168	No	00406	PH, FIELD, STANDARD UNITS SU	08/06/87-08/06/87	0	1	
VAFO0171	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0174	No	00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	0	2	
VAFO0176	No	00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0186	No	00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	0	1	
VAFO0188	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0191	No	00406	PH, FIELD, STANDARD UNITS SU	09/10/98-09/10/98	0	1	
VAFO0193	No	00406	PH, FIELD, STANDARD UNITS SU	10/03/72-10/07/92	20	6	
VAFO0196	No	00406	PH, FIELD, STANDARD UNITS SU	11/08/84-11/08/84	0	1	
VAFO0204	No	00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0206	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0209	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0213	No	00406	PH, FIELD, STANDARD UNITS SU	03/01/94-03/01/94	0	1	
VAFO0214	No	00406	PH, FIELD, STANDARD UNITS SU	03/01/94-03/01/94	0	1	
VAFO0215	No	00406	PH, FIELD, STANDARD UNITS SU	03/01/94-03/01/94	0	1	
VAFO0217	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0220	No	00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	7	15	
VAFO0223	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	0	1	
VAFO0225	No	00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	0	12	
VAFO0230	No	00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	0	12	
VAFO0234	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0235	No	00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	0	12	
VAFO0236	No	00406	PH, FIELD, STANDARD UNITS SU	12/15/98-12/15/98	0	1	
VAFO0237	No	00406	PH, FIELD, STANDARD UNITS SU	10/05/93-10/05/93	0	1	
VAFO0238	No	00406	PH, FIELD, STANDARD UNITS SU	05/09/95-05/09/95	0	1	
VAFO0241	No	00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	0	12	
VAFO0244	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0245	No	00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	0	9	
VAFO0246	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0247	No	00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	0	12	
VAFO0248	No	00406	PH, FIELD, STANDARD UNITS SU	05/14/96-12/30/98	2	3	
VAFO0251	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0253	No	00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/15/98	0	15	
VAFO0254	No	00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	0	2	
VAFO0255	No	00406	PH, FIELD, STANDARD UNITS SU	05/09/95-01/07/98	2	5	
VAFO0256	No	00406	PH, FIELD, STANDARD UNITS SU	08/23/95-09/03/96	1	3	
VAFO0258	No	00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	0	2	
VAFO0259	No	00406	PH, FIELD, STANDARD UNITS SU	05/14/96-09/03/96	0	3	
VAFO0260	No	00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	0	2	
VAFO0263	No	00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/15/98	0	13	
VAFO0265	No	00406	PH, FIELD, STANDARD UNITS SU	05/14/96-01/07/98	1	4	
VAFO0266	No	00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	0	2	
VAFO0267	No	00406	PH, FIELD, STANDARD UNITS SU	05/09/95-09/03/96	1	4	
VAFO0268	No	00406	PH, FIELD, STANDARD UNITS SU	07/18/96-01/07/98	1	4	
VAFO0269	No	00406	PH, FIELD, STANDARD UNITS SU	08/20/90-09/24/96	6	12	
VAFO0271	No	00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/15/98	0	12	
VAFO0272	No	00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	0	12	
VAFO0274	No	00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	0	2	
VAFO0275	No	00406	PH, FIELD, STANDARD UNITS SU	07/18/96-12/30/98	2	4	
VAFO0278	No	00406	PH, FIELD, STANDARD UNITS SU	08/14/90-11/20/97	7	15	
VAFO0282	No	00406	PH, FIELD, STANDARD UNITS SU	05/09/95-01/07/98	2	6	
VAFO0283	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/98-12/15/98	0	6	
VAFO0284	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0285	No	00406	PH, FIELD, STANDARD UNITS SU	12/15/98-12/15/98	0	1	
VAFO0287	No	00406	PH, FIELD, STANDARD UNITS SU	11/04/98-12/30/98	0	2	
VAFO0289	No	00406	PH, FIELD, STANDARD UNITS SU	11/18/98-12/15/98	0	2	
VAFO0291	No	00406	PH, FIELD, STANDARD UNITS SU	11/18/98-11/18/98	0	1	
VAFO0294	No	00406	PH, FIELD, STANDARD UNITS SU	09/10/98-09/10/98	0	1	
VAFO0297	No	00406	PH, FIELD, STANDARD UNITS SU	11/18/98-12/15/98	0	2	
VAFO0298	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0300	No	00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0303	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0310	No	00406	PH, FIELD, STANDARD UNITS SU	10/03/72-09/27/78	5	2	
VAFO0316	No	00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	0	1	
VAFO0322	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0327	No	00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	0	1	
VAFO0328	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0330	No	00406	PH, FIELD, STANDARD UNITS SU	12/30/98-12/30/98	0	1	
VAFO0333	No	00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	0	2	
VAFO0334	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0338	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0340	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0342	No	00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	0	1	
VAFO0343	No	00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/30/98	0	2	
VAFO0347	No	00406	PH, FIELD, STANDARD UNITS SU	09/10/98-10/07/98	0	2	
VAFO0349	No	00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	0	1	
VAFO0352	No	00406	PH, FIELD, STANDARD UNITS SU	07/08/87-07/08/87	0	1	
VAFO0360	No	00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	0	1	
VAFO0366	No	00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	0	1	
VAFO0369	No	00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	0	1	
VAFO0374	No	00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	0	1	
VAFO0375	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0386	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0387	No	00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	0	1	
VAFO0388	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
VAFO0391	No	00406	PH, FIELD, STANDARD UNITS SU	10/03/72-09/27/78	5	2	
VAFO0394	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0395	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
VAFO0398	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0400	No	00406	PH, FIELD, STANDARD UNITS SU	03/21/91-03/21/91	0	1	
VAFO0401	No	00406	PH, FIELD, STANDARD UNITS SU	03/21/91-03/21/91	0	1	
VAFO0403	No	00406	PH, FIELD, STANDARD UNITS SU	03/21/91-03/21/91	0	1	
VAFO0404	No	00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	0	9	
VAFO0406	No	00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	0	1	
VAFO0409	No	00406	PH, FIELD, STANDARD UNITS SU	10/06/94-10/06/94	0	1	
VAFO0412	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
VAFO0413	No	00406	PH, FIELD, STANDARD UNITS SU	05/26/95-05/26/95	0	1	
VAFO0415	No	00406	PH, FIELD, STANDARD UNITS SU	08/06/87-08/06/87	0	1	
VAFO0422	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0425	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	0	1	
VAFO0435	No	00406	PH, FIELD, STANDARD UNITS SU	10/06/94-10/06/94	0	1	
VAFO0438	No	00406	PH, FIELD, STANDARD UNITS SU	10/07/93-10/07/93	0	1	
VAFO0440	No	00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	0	1	
VAFO0441	No	00406	PH, FIELD, STANDARD UNITS SU	08/06/87-08/06/87	0	1	
VAFO0442	No	00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	7	15	
VAFO0444	No	00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	7	14	
VAFO0447	No	00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	0	1	
VAFO0449	No	00406	PH, FIELD, STANDARD UNITS SU	05/25/95-05/25/95	0	1	
VAFO0453	No	00406	PH, FIELD, STANDARD UNITS SU	10/10/91-10/10/91	0	1	
VAFO0457	No	00406	PH, FIELD, STANDARD UNITS SU	10/06/94-10/06/94	0	1	
VAFO0008	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/89-08/23/95	5	8	
VAFO0013	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/89-09/28/89	0	1	
VAFO0015	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/92-02/21/92	0	1	
VAFO0016	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/89-08/02/95	6	12	
VAFO0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/11/69-03/03/72	2	28	
VAFO0020	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/89-12/28/93	4	2	
VAFO0023	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/89-08/01/89	0	1	
VAFO0024	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-12/17/93	4	6	
VAFO0026	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-05/09/95	0	1	
VAFO0027	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
VAFO0030	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/89-12/28/93	4	3	
VAFO0031	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	14	47	
VAFO0032	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	27	22	
VAFO0035	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/89-08/12/95	6	10	
VAFO0037	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/90-02/22/92	1	17	
VAFO0038	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/03/94-01/03/94	0	1	
VAFO0039	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/89-12/20/93	4	3	
VAFO0040	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-09/21/89	0	3	
VAFO0041	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/91-09/25/91	0	1	
VAFO0042	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	26	106	T,A
VAFO0046	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	50	31	
VAFO0053	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/91-07/23/91	0	2	
VAFO0054	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/89-12/17/93	4	5	
VAFO0055	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/93-08/10/93	0	1	
VAFO0057	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0058	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0059	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0060	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0061	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/77-07/06/77	0	1	
VAFO0062	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0063	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0064	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	0	1	
VAFO0065	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/89-01/03/94	4	3	
VAFO0066	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/91-12/27/91	0	3	
VAFO0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/84-08/22/84	0	1	
VAFO0069	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-12/10/93	4	16	
VAFO0071	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
VAFO0073	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/90-11/12/93	3	17	
VAFO0075	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-12/14/93	4	4	
VAFO0076	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-10/07/92	20	6	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0080	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0081	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/89-07/27/95	5	9	
VAFO0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/93-12/20/93	0	1	
VAFO0085	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/89-12/14/93	4	8	
VAFO0087	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/89-07/19/95	5	6	
VAFO0088	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-11/22/93	0	7	
VAFO0089	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0091	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/16/93-12/16/93	0	1	
VAFO0093	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/06/93-12/14/93	0	6	
VAFO0095	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/95-04/17/95	0	1	
VAFO0096	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-10/07/92	20	6	
VAFO0098	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/89-07/27/95	5	6	
VAFO0101	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0102	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0103	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0104	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0105	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0111	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/90-11/22/93	3	17	
VAFO0115	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/05/92	18	23	
VAFO0116	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/90-11/22/93	3	16	
VAFO0119	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0120	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0121	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0122	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0123	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/28/91	18	15	
VAFO0125	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/93-05/19/93	0	1	
VAFO0126	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0129	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/91-12/12/91	0	1	
VAFO0130	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/91-02/22/92	0	6	
VAFO0131	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0137	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0141	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/30/74-10/30/74	0	1	
VAFO0142	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/91-09/18/91	0	2	
VAFO0144	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0145	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0150	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0155	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/73-10/21/91	18	16	
VAFO0156	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0160	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0163	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	0	1	
VAFO0167	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/31/94	0	2	
VAFO0169	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/13/91-02/22/92	0	6	
VAFO0171	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0173	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/69-04/15/70	0	3	
VAFO0174	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	0	2	
VAFO0176	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0177	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0179	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-05/31/90	0	1	
VAFO0180	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0183	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0185	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/10/84-10/10/84	0	1	
VAFO0188	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0189	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	0	1	
VAFO0190	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/83-10/21/83	0	1	
VAFO0193	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-10/07/92	20	6	
VAFO0196	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0197	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/90-11/22/93	3	17	
VAFO0198	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0200	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	0	1	
VAFO0201	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0203	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	0	1	
VAFO0204	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	0	2	
VAFO0208	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	0	3	
VAFO0209	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0212	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	0	1	
VAFO0213	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	0	1	
VAFO0214	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	0	1	
VAFO0215	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	0	1	
VAFO0216	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/83-10/21/83	0	1	
VAFO0218	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0222	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0232	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/67-10/07/91	23	17	
VAFO0234	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0237	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/05/93-10/05/93	0	1	
VAFO0238	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-05/09/95	0	1	
VAFO0239	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	0	1	
VAFO0240	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	0	1	
VAFO0242	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0243	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/90-11/29/93	3	16	
VAFO0244	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0245	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0246	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0248	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/96-12/30/98	2	3	
VAFO0250	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	0	3	
VAFO0251	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0254	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	0	2	
VAFO0255	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	2	5	
VAFO0256	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/95-09/03/96	1	3	
VAFO0257	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0258	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0259	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/96-09/03/96	0	3	
VAFO0260	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0265	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/96-01/07/98	1	5	
VAFO0266	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0267	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-09/03/96	1	4	
VAFO0268	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-01/07/98	1	4	
VAFO0274	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0275	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-12/30/98	2	4	
VAFO0279	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	0	1	
VAFO0280	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/90-11/29/93	3	16	
VAFO0281	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0282	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	2	6	
VAFO0284	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0287	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/04/98-12/30/98	0	2	
VAFO0290	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0295	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	0	1	
VAFO0298	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0300	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0303	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0304	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0306	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0307	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0310	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-09/27/78	5	2	
VAFO0316	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0318	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/85-07/05/85	0	1	
VAFO0322	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0325	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/19/82	9	7	
VAFO0327	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0328	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0329	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/84-10/12/84	0	1	
VAFO0330	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/30/98-12/30/98	0	1	
VAFO0333	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	0	2	
VAFO0334	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0335	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0338	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0339	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/83-03/13/85	1	12	
VAFO0340	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0341	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0343	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/07/98-12/30/98	0	2	
VAFO0346	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/73-10/02/91	18	17	
VAFO0349	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0350	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0360	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0361	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0363	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0364	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0366	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0369	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0374	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0375	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0378	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/84-10/11/84	0	1	
VAFO0379	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0385	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/84-10/11/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0386	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0387	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	0	1	
VAFO0388	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
VAFO0391	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-09/27/78	5	2	
VAFO0392	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/84-10/11/84	0	1	
VAFO0394	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0395	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
VAFO0396	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/85-03/13/85	0	1	
VAFO0397	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/77-06/28/77	0	1	
VAFO0398	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0400	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/91-03/21/91	0	1	
VAFO0401	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/91-03/21/91	0	1	
VAFO0403	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/91-03/21/91	0	1	
VAFO0404	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0406	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0409	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/94-10/06/94	0	1	
VAFO0411	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/84-10/11/84	0	2	
VAFO0412	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
VAFO0413	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	0	1	
VAFO0414	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/69-04/15/70	1	100	
VAFO0420	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/08/91	18	23	
VAFO0422	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0423	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0424	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	0	3	
VAFO0425	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0426	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/65-04/08/65	0	1	
VAFO0428	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/02/91	18	16	
VAFO0433	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-10/27/95	45	59	T,S
VAFO0434	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	15	116	T,A
VAFO0435	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/94-10/06/94	0	1	
VAFO0436	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-02/04/68	0	1	
VAFO0437	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-07/15/68	0	4	
VAFO0438	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/93-10/07/93	0	1	
VAFO0439	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/15/68-09/20/68	0	2	
VAFO0440	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0443	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	0	1	
VAFO0445	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-02/04/68	0	1	
VAFO0446	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/77-06/27/77	0	1	
VAFO0447	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0449	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/95-05/25/95	0	1	
VAFO0450	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-10/03/91	23	25	
VAFO0451	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/68-02/26/68	0	1	
VAFO0452	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/91-03/06/96	4	3	
VAFO0453	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/10/91-10/10/91	0	1	
VAFO0454	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/73-10/15/91	18	17	
VAFO0455	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/68-07/15/68	0	9	
VAFO0457	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/94-10/06/94	0	1	
VAFO0458	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/05/93	20	12	
VAFO0459	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/77-06/27/77	0	1	
VAFO0460	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/77-06/27/77	0	1	
VAFO0022	Yes	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	05/08/95-05/08/95	0	1	
VAFO0025	Yes	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	05/08/95-05/08/95	0	1	
VAFO0115	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/05/92-10/24/96	4	4	
VAFO0123	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/05/92-10/24/96	4	4	
VAFO0155	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/13/92-11/07/95	3	3	
VAFO0232	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/06/92-10/31/96	4	4	
VAFO0346	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/06/92-10/11/95	3	4	
VAFO0389	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	06/13/94-06/13/94	0	1	
VAFO0420	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/08/92-11/13/95	3	5	
VAFO0428	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/07/92-10/12/95	3	4	
VAFO0433	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/14/92-10/28/96	4	4	
VAFO0450	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/08/92-10/12/95	3	5	
VAFO0454	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/14/92-11/06/95	3	4	
VAFO0458	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/07/92-10/31/96	4	5	
VAFO0011	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	15	36	
VAFO0074	Yes	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	15	38	
VAFO0100	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/09/83-03/17/97	13	28	
VAFO0106	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	15	38	
VAFO0110	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	03/26/84-08/30/84	0	3	
VAFO0132	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	35	
VAFO0133	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	37	
VAFO0220	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	15	39	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0269	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	01/27/81-03/25/97	16	35	
VAFO0278	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	15	39	
VAFO0442	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	35	
VAFO0444	No	00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	35	
VAFO0049	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/06/97-10/06/97	0	2	
VAFO0114	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	11/11/75-11/05/79	3	2	
VAFO0124	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/29/76-10/29/76	0	1	
VAFO0233	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/30/78-10/30/78	0	1	
VAFO0324	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/26/76-10/26/76	0	1	
VAFO0144	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0413	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	0	1	
VAFO0443	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	0	1	
VAFO0449	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/95-05/25/95	0	1	
VAFO0031	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	04/12/73-06/11/75	2	6	
VAFO0032	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/29/72-05/12/77	4	12	
VAFO0045	Yes	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	04/17/73-06/23/75	2	10	
VAFO0050	Yes	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	02/17/72-08/08/77	5	11	
VAFO0433	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	08/13/73-08/19/76	3	9	
VAFO0434	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/29/72-02/15/77	4	13	
VAFO0031	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	04/12/73-06/11/75	2	6	
VAFO0032	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/29/72-08/03/77	4	14	
VAFO0045	Yes	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	04/17/73-06/23/75	2	10	
VAFO0050	Yes	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	02/03/70-08/08/77	7	13	
VAFO0433	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	08/13/73-08/19/76	3	10	
VAFO0434	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/29/72-08/11/77	4	16	
VAFO0019	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/11/69-03/03/72	2	28	
VAFO0032	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/25/26-07/08/68	41	8	
VAFO0115	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/12/73-10/27/78	5	5	
VAFO0123	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/12/73-10/27/78	5	5	
VAFO0141	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/30/74-10/30/74	0	1	
VAFO0155	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/04/73-10/31/78	5	6	
VAFO0232	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/12/67-10/19/77	9	7	
VAFO0325	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/31/78	5	5	
VAFO0346	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/01/73-10/30/78	5	6	
VAFO0420	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/26/76	3	4	
VAFO0426	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/08/65-04/08/65	0	1	
VAFO0428	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/30/78	5	6	
VAFO0433	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-10/25/74	24	36	
VAFO0436	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-02/04/68	0	1	
VAFO0437	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-07/15/68	0	4	
VAFO0439	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/15/68-09/20/68	0	2	
VAFO0445	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-02/04/68	0	1	
VAFO0450	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-10/19/77	9	7	
VAFO0451	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/26/68-02/26/68	0	1	
VAFO0454	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/04/73-11/01/78	5	6	
VAFO0455	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/28/68-07/15/68	0	9	
VAFO0458	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/21/76	3	4	
VAFO0019	No	00445	CARBONATE ION (MG/L AS CO3)	06/26/69-03/03/72	2	21	
VAFO0032	No	00445	CARBONATE ION (MG/L AS CO3)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/25/26-07/08/68	41	8	
VAFO0115	No	00445	CARBONATE ION (MG/L AS CO3)	10/12/73-10/27/78	5	5	
VAFO0123	No	00445	CARBONATE ION (MG/L AS CO3)	10/12/73-10/27/78	5	5	
VAFO0141	No	00445	CARBONATE ION (MG/L AS CO3)	10/30/74-10/30/74	0	1	
VAFO0232	No	00445	CARBONATE ION (MG/L AS CO3)	12/12/67-10/19/77	9	7	
VAFO0325	No	00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/31/78	5	5	
VAFO0346	No	00445	CARBONATE ION (MG/L AS CO3)	10/01/73-10/30/78	5	6	
VAFO0420	No	00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/26/76	3	4	
VAFO0426	No	00445	CARBONATE ION (MG/L AS CO3)	04/08/65-04/08/65	0	1	
VAFO0428	No	00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/30/78	5	6	
VAFO0433	No	00445	CARBONATE ION (MG/L AS CO3)	05/25/50-10/25/74	24	25	
VAFO0436	No	00445	CARBONATE ION (MG/L AS CO3)	02/04/68-02/04/68	0	1	
VAFO0437	No	00445	CARBONATE ION (MG/L AS CO3)	02/04/68-02/04/68	0	1	
VAFO0439	No	00445	CARBONATE ION (MG/L AS CO3)	05/15/68-09/20/68	0	2	
VAFO0445	No	00445	CARBONATE ION (MG/L AS CO3)	02/04/68-02/04/68	0	1	
VAFO0450	No	00445	CARBONATE ION (MG/L AS CO3)	02/04/68-10/19/77	9	6	
VAFO0451	No	00445	CARBONATE ION (MG/L AS CO3)	02/26/68-02/26/68	0	1	
VAFO0454	No	00445	CARBONATE ION (MG/L AS CO3)	10/04/73-11/01/78	5	6	
VAFO0455	No	00445	CARBONATE ION (MG/L AS CO3)	06/12/68-06/27/68	0	4	
VAFO0458	No	00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/21/76	3	4	
VAFO0114	No	00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	11/11/75-11/11/75	0	1	
VAFO0124	No	00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	10/29/76-10/29/76	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0233	No	00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	10/30/78-10/30/78	0	1	
VAFO0324	No	00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	10/26/76-10/26/76	0	1	
VAFO0114	No	00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	11/11/75-11/11/75	0	1	
VAFO0124	No	00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	10/29/76-10/29/76	0	1	
VAFO0233	No	00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	10/30/78-10/30/78	0	1	
VAFO0324	No	00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	10/26/76-10/26/76	0	1	
VAFO0031	No	00500	RESIDUE, TOTAL (MG/L)	11/02/77-05/03/78	0	3	
VAFO0032	No	00500	RESIDUE, TOTAL (MG/L)	05/17/76-05/12/77	0	4	
VAFO0044	Yes	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00500	RESIDUE, TOTAL (MG/L)	11/02/77-05/18/78	0	3	
VAFO0046	Yes	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00500	RESIDUE, TOTAL (MG/L)	04/29/93-11/22/93	0	7	
VAFO0050	Yes	00500	RESIDUE, TOTAL (MG/L)	07/14/69-02/15/77	7	11	
VAFO0080	Yes	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0088	Yes	00500	RESIDUE, TOTAL (MG/L)	05/25/93-11/22/93	0	6	
VAFO0089	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	1	17	
VAFO0101	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0102	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0104	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	0	1	
VAFO0105	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0119	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0121	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0122	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0126	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	1	17	
VAFO0131	No	00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0137	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0144	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	0	1	
VAFO0145	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0156	No	00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	0	1	
VAFO0160	No	00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/12/94	0	1	
VAFO0163	No	00500	RESIDUE, TOTAL (MG/L)	01/31/94-01/31/94	0	1	
VAFO0167	No	00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/31/94	0	2	
VAFO0171	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0173	No	00500	RESIDUE, TOTAL (MG/L)	10/15/69-04/15/70	0	3	
VAFO0174	No	00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0176	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	0	1	
VAFO0189	No	00500	RESIDUE, TOTAL (MG/L)	01/31/94-01/31/94	0	1	
VAFO0196	No	00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0200	No	00500	RESIDUE, TOTAL (MG/L)	01/31/94-01/31/94	0	1	
VAFO0201	No	00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/12/94	0	1	
VAFO0204	No	00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/05/94	9	2	
VAFO0208	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-06/24/93	0	3	
VAFO0209	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0213	No	00500	RESIDUE, TOTAL (MG/L)	03/01/94-03/01/94	0	1	
VAFO0214	No	00500	RESIDUE, TOTAL (MG/L)	03/01/94-03/01/94	0	1	
VAFO0215	No	00500	RESIDUE, TOTAL (MG/L)	03/01/94-03/01/94	0	1	
VAFO0218	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0222	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0238	No	00500	RESIDUE, TOTAL (MG/L)	05/09/95-05/09/95	0	1	
VAFO0242	No	00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	0	1	
VAFO0245	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	1	18	
VAFO0248	No	00500	RESIDUE, TOTAL (MG/L)	05/14/96-12/30/98	2	3	
VAFO0250	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-06/24/93	0	3	
VAFO0251	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0254	No	00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0255	No	00500	RESIDUE, TOTAL (MG/L)	05/09/95-01/07/98	2	5	
VAFO0256	No	00500	RESIDUE, TOTAL (MG/L)	08/23/95-09/03/96	1	3	
VAFO0257	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0258	No	00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	0	2	
VAFO0259	No	00500	RESIDUE, TOTAL (MG/L)	05/14/96-09/03/96	0	3	
VAFO0260	No	00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	0	2	
VAFO0265	No	00500	RESIDUE, TOTAL (MG/L)	05/14/96-01/07/98	1	5	
VAFO0266	No	00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	0	2	
VAFO0267	No	00500	RESIDUE, TOTAL (MG/L)	05/09/95-09/03/96	1	4	
VAFO0268	No	00500	RESIDUE, TOTAL (MG/L)	07/18/96-01/07/98	1	4	
VAFO0274	No	00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	0	2	
VAFO0275	No	00500	RESIDUE, TOTAL (MG/L)	07/18/96-12/30/98	2	4	
VAFO0279	No	00500	RESIDUE, TOTAL (MG/L)	10/30/96-10/30/96	0	1	
VAFO0281	No	00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	0	1	
VAFO0282	No	00500	RESIDUE, TOTAL (MG/L)	05/09/95-01/07/98	2	6	
VAFO0287	No	00500	RESIDUE, TOTAL (MG/L)	11/04/98-12/30/98	0	2	
VAFO0290	No	00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0295	No	00500	RESIDUE, TOTAL (MG/L)	10/30/96-10/30/96	0	1	
VAFO0300	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	0	1	
VAFO0303	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0306	No	00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	0	1	
VAFO0307	No	00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	0	1	
VAFO0316	No	00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	0	1	
VAFO0327	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	0	1	
VAFO0330	No	00500	RESIDUE, TOTAL (MG/L)	12/30/98-12/30/98	0	1	
VAFO0333	No	00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0334	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0335	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0340	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0343	No	00500	RESIDUE, TOTAL (MG/L)	01/07/98-12/30/98	0	2	
VAFO0349	No	00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	0	1	
VAFO0360	No	00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	0	1	
VAFO0361	No	00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/12/94	0	1	
VAFO0363	No	00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	0	1	
VAFO0366	No	00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	0	1	
VAFO0369	No	00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	0	1	
VAFO0374	No	00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	0	1	
VAFO0375	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0386	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0388	No	00500	RESIDUE, TOTAL (MG/L)	06/14/94-06/14/94	0	1	
VAFO0394	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0395	No	00500	RESIDUE, TOTAL (MG/L)	06/14/94-06/14/94	0	1	
VAFO0398	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0404	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	1	18	
VAFO0406	No	00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	0	1	
VAFO0412	No	00500	RESIDUE, TOTAL (MG/L)	06/14/94-06/14/94	0	1	
VAFO0414	No	00500	RESIDUE, TOTAL (MG/L)	07/15/69-04/15/70	0	4	
VAFO0422	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0424	No	00500	RESIDUE, TOTAL (MG/L)	04/29/93-06/24/93	0	3	
VAFO0425	No	00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	0	1	
VAFO0433	No	00500	RESIDUE, TOTAL (MG/L)	05/17/76-07/29/76	0	2	
VAFO0434	No	00500	RESIDUE, TOTAL (MG/L)	11/22/76-05/30/78	1	5	
VAFO0440	No	00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	0	1	
VAFO0447	No	00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	0	1	
VAFO0050	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/14/69-07/14/69	0	2	
VAFO0080	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0101	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0122	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0173	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/15/69-04/15/70	0	3	
VAFO0303	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0340	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0375	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0386	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0394	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0398	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0414	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/15/69-04/15/70	0	4	
VAFO0422	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0425	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0050	Yes	00510	RESIDUE, TOTAL FIXED (MG/L)	07/14/69-07/14/69	0	2	
VAFO0080	Yes	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0101	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0122	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0303	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0340	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0375	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0386	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0394	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0398	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0422	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0425	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	0	1	
VAFO0031	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/27/75-11/23/87	12	43	
VAFO0032	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/09/75-08/03/77	1	9	
VAFO0045	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	23	97	T,A
VAFO0048	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/25/93-11/22/93	0	5	
VAFO0050	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/17/70-08/08/77	7	10	
VAFO0088	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/25/93-11/22/93	0	6	
VAFO0089	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	1	16	
VAFO0115	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/09/71-11/24/72	1	2	
VAFO0123	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/09/71-10/24/72	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0126	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	1	16	
VAFO0131	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/08/84-11/08/84	0	1	
VAFO0142	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/91-09/18/91	0	2	
VAFO0155	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/21/70-10/24/72	2	5	
VAFO0156	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	0	1	
VAFO0160	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/12/94	0	1	
VAFO0163	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/31/94	0	2	
VAFO0174	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/08/84	0	2	
VAFO0177	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	0	1	
VAFO0180	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	0	1	
VAFO0183	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	0	1	
VAFO0189	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/31/94-01/31/94	0	1	
VAFO0196	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/08/84-11/08/84	0	1	
VAFO0198	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	0	1	
VAFO0200	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/31/94-01/31/94	0	1	
VAFO0201	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/12/94	0	1	
VAFO0204	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/05/94	10	3	
VAFO0208	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-05/25/93	0	2	
VAFO0213	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/01/94-03/01/94	0	1	
VAFO0214	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/01/94-03/01/94	0	1	
VAFO0215	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/01/94-03/01/94	0	1	
VAFO0232	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/12/69-10/03/72	2	3	
VAFO0233	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/70-09/27/71	1	4	
VAFO0238	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-05/09/95	0	1	
VAFO0242	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	0	1	
VAFO0245	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	1	17	
VAFO0248	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/14/96-12/30/98	2	3	
VAFO0250	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-05/25/93	0	2	
VAFO0254	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/08/84	0	2	
VAFO0255	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-01/07/98	2	5	
VAFO0256	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/23/95-09/03/96	1	3	
VAFO0258	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	0	2	
VAFO0259	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/14/96-09/03/96	0	3	
VAFO0260	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	0	2	
VAFO0265	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/14/96-01/07/98	1	5	
VAFO0266	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	0	2	
VAFO0267	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-09/03/96	1	4	
VAFO0268	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-01/07/98	1	4	
VAFO0274	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	0	2	
VAFO0275	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-12/30/98	2	4	
VAFO0279	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/30/96-10/30/96	0	1	
VAFO0281	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	0	1	
VAFO0282	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-01/07/98	2	6	
VAFO0287	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/04/98-12/30/98	0	2	
VAFO0288	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/85-04/29/85	0	1	
VAFO0290	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	0	1	
VAFO0295	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/30/96-10/30/96	0	1	
VAFO0301	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/85-04/29/85	0	1	
VAFO0306	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	0	1	
VAFO0307	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	0	1	
VAFO0316	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	0	1	
VAFO0324	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/29/70-09/28/71	0	2	
VAFO0325	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/13/69-10/09/72	2	5	
VAFO0330	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/30/98-12/30/98	0	1	
VAFO0333	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/08/84	0	2	
VAFO0343	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/07/98-12/30/98	0	2	
VAFO0346	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/11/69-10/03/72	2	5	
VAFO0349	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	0	1	
VAFO0360	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	0	1	
VAFO0361	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/12/94	0	1	
VAFO0369	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	0	1	
VAFO0374	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	0	1	
VAFO0388	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	0	1	
VAFO0395	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	0	1	
VAFO0404	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	1	17	
VAFO0406	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	0	1	
VAFO0412	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	0	1	
VAFO0420	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/12/69-10/09/72	2	5	
VAFO0424	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-05/25/93	0	2	
VAFO0428	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/18/70-10/03/72	2	6	
VAFO0433	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/10/69-08/19/76	6	14	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0434	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	107	T,A
VAFO0440	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	0	1	
VAFO0447	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	0	1	
VAFO0450	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/22/69-10/03/72	2	5	
VAFO0452	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/91-03/06/96	4	3	
VAFO0454	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/10/69-10/30/72	2	5	
VAFO0458	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/22/69-10/03/72	2	5	
VAFO0031	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-11/25/86	9	9	
VAFO0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/76-08/03/77	1	8	
VAFO0042	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	21	61	T,A
VAFO0046	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/93-11/22/93	0	5	
VAFO0050	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/14/69-08/08/77	8	15	
VAFO0080	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0088	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/93-11/22/93	0	6	
VAFO0089	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	1	16	
VAFO0101	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0102	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0103	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0104	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0105	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0119	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0120	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0121	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0122	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0126	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	1	16	
VAFO0131	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/08/84-11/08/84	0	1	
VAFO0137	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0144	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0145	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0150	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0156	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	0	1	
VAFO0160	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	0	1	
VAFO0163	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/31/94-01/31/94	0	1	
VAFO0167	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/31/94	0	2	
VAFO0171	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0174	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/08/84	0	2	
VAFO0176	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0189	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/31/94-01/31/94	0	1	
VAFO0196	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/08/84-11/08/84	0	1	
VAFO0200	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/31/94-01/31/94	0	1	
VAFO0201	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	0	1	
VAFO0204	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/05/94	10	3	
VAFO0208	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-05/25/93	0	2	
VAFO0209	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0213	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/94-03/01/94	0	1	
VAFO0214	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/94-03/01/94	0	1	
VAFO0215	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/94-03/01/94	0	1	
VAFO0218	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0222	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0238	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-05/09/95	0	1	
VAFO0242	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	0	1	
VAFO0245	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	1	17	
VAFO0248	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/14/96-12/30/98	2	3	
VAFO0250	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-05/25/93	0	2	
VAFO0251	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0254	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/08/84	0	2	
VAFO0255	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-01/07/98	2	5	
VAFO0256	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/23/95-09/03/96	1	3	
VAFO0257	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0258	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	0	2	
VAFO0259	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/14/96-09/03/96	0	3	
VAFO0260	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	0	2	
VAFO0265	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/14/96-01/07/98	1	5	
VAFO0266	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	0	2	
VAFO0267	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-09/03/96	1	4	
VAFO0268	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-01/07/98	1	4	
VAFO0274	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	0	2	
VAFO0275	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-12/30/98	2	4	
VAFO0279	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/30/96-10/30/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0281	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	0	1	
VAFO0282	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-01/07/98	2	6	
VAFO0287	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/98-12/30/98	0	2	
VAFO0290	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	0	1	
VAFO0295	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/30/96-10/30/96	0	1	
VAFO0300	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0303	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0304	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0306	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	0	1	
VAFO0307	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	0	1	
VAFO0316	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	0	1	
VAFO0327	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0330	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/30/98-12/30/98	0	1	
VAFO0333	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/08/84	0	2	
VAFO0334	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0335	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0340	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0341	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0343	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/07/98-12/30/98	0	2	
VAFO0349	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0350	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	0	1	
VAFO0360	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0361	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	0	1	
VAFO0363	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	0	1	
VAFO0364	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0366	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	0	1	
VAFO0369	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0374	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0375	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0379	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0386	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0388	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/14/94-06/14/94	0	1	
VAFO0394	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0395	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/14/94-06/14/94	0	1	
VAFO0398	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0400	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/21/91-03/21/91	0	1	
VAFO0401	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/21/91-03/21/91	0	1	
VAFO0403	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/21/91-03/21/91	0	1	
VAFO0404	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	1	17	
VAFO0406	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	0	1	
VAFO0412	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/14/94-06/14/94	0	1	
VAFO0413	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/95-05/26/95	0	1	
VAFO0422	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0423	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	0	1	
VAFO0424	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-05/25/93	0	2	
VAFO0425	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0433	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/22/76-08/19/76	0	7	
VAFO0434	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/19/76-12/10/79	3	14	
VAFO0440	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	0	1	
VAFO0443	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/95-05/26/95	0	1	
VAFO0447	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	0	1	
VAFO0449	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/95-05/25/95	0	1	
VAFO0050	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/14/69-02/15/73	3	3	
VAFO0080	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0101	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0122	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0303	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0340	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0375	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0386	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0394	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0398	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0422	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0425	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0050	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/14/69-02/15/73	3	3	
VAFO0080	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0101	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0122	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0303	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0340	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0375	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0386	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0394	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0398	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0422	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0425	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0045	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	4	51	A
VAFO0048	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-11/22/93	0	5	
VAFO0050	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	07/14/69-02/15/73	3	5	
VAFO0088	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	06/24/93-11/22/93	0	4	
VAFO0089	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	1	14	
VAFO0126	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	1	16	
VAFO0156	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	0	1	
VAFO0160	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	0	1	
VAFO0163	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/31/94-01/31/94	0	1	
VAFO0167	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/31/94	0	2	
VAFO0173	No	00545	RESIDUE, SETTLEABLE (ML/L)	10/15/69-04/15/70	0	3	
VAFO0189	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/31/94-01/31/94	0	1	
VAFO0200	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/31/94-01/31/94	0	1	
VAFO0201	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	0	1	
VAFO0208	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-06/24/93	0	2	
VAFO0213	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/01/94-03/01/94	0	1	
VAFO0214	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/01/94-03/01/94	0	1	
VAFO0215	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/01/94-03/01/94	0	1	
VAFO0238	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-05/09/95	0	1	
VAFO0242	No	00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	0	1	
VAFO0245	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	1	14	
VAFO0248	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/14/96-05/14/96	0	1	
VAFO0250	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-06/24/93	0	2	
VAFO0255	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-07/18/96	1	3	
VAFO0256	No	00545	RESIDUE, SETTLEABLE (ML/L)	08/23/95-07/18/96	0	2	
VAFO0258	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	0	1	
VAFO0259	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/14/96-07/18/96	0	2	
VAFO0260	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	0	1	
VAFO0265	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/14/96-11/07/96	0	3	
VAFO0266	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	0	1	
VAFO0267	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-07/18/96	1	3	
VAFO0268	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	0	1	
VAFO0274	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	0	1	
VAFO0275	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	0	1	
VAFO0279	No	00545	RESIDUE, SETTLEABLE (ML/L)	10/30/96-10/30/96	0	1	
VAFO0281	No	00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	0	1	
VAFO0282	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-07/18/96	1	4	
VAFO0290	No	00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	0	1	
VAFO0295	No	00545	RESIDUE, SETTLEABLE (ML/L)	10/30/96-10/30/96	0	1	
VAFO0306	No	00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	0	1	
VAFO0307	No	00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	0	1	
VAFO0316	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	0	1	
VAFO0350	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	0	1	
VAFO0361	No	00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	0	1	
VAFO0388	No	00545	RESIDUE, SETTLEABLE (ML/L)	06/14/94-06/14/94	0	1	
VAFO0395	No	00545	RESIDUE, SETTLEABLE (ML/L)	06/14/94-06/14/94	0	1	
VAFO0404	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	1	14	
VAFO0406	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	0	1	
VAFO0412	No	00545	RESIDUE, SETTLEABLE (ML/L)	06/14/94-06/14/94	0	1	
VAFO0414	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/15/69-04/15/70	0	4	
VAFO0424	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-06/24/93	0	2	
VAFO0434	No	00545	RESIDUE, SETTLEABLE (ML/L)	02/15/77-02/15/77	0	1	
VAFO0440	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	0	1	
VAFO0447	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	0	1	
VAFO0101	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0122	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0176	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0204	No	00546	RESIDUE, SETTLEABLE (MG/L)	11/05/94-11/05/94	0	1	
VAFO0248	No	00546	RESIDUE, SETTLEABLE (MG/L)	11/04/98-12/30/98	0	2	
VAFO0255	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	1	2	
VAFO0256	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0258	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0259	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0260	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0265	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	1	2	
VAFO0266	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0267	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0268	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	1	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0274	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	0	1	
VAFO0275	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-12/30/98	2	3	
VAFO0282	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	1	2	
VAFO0287	No	00546	RESIDUE, SETTLEABLE (MG/L)	11/04/98-12/30/98	0	2	
VAFO0300	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0303	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0327	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/19/75-06/19/75	0	1	
VAFO0330	No	00546	RESIDUE, SETTLEABLE (MG/L)	12/30/98-12/30/98	0	1	
VAFO0340	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0343	No	00546	RESIDUE, SETTLEABLE (MG/L)	01/07/98-12/30/98	0	2	
VAFO0349	No	00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0360	No	00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0369	No	00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0374	No	00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	0	1	
VAFO0375	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0386	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0394	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0398	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0422	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0425	No	00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	0	1	
VAFO0032	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/06/72-12/06/72	0	1	
VAFO0433	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/06/72-12/06/72	0	3	
VAFO0045	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	4	54	A
VAFO0155	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	10/20/83-10/10/84	0	2	
VAFO0213	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/01/94-03/01/94	0	1	
VAFO0214	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/01/94-03/01/94	0	1	
VAFO0215	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/01/94-03/01/94	0	1	
VAFO0248	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	0	1	
VAFO0259	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	0	1	
VAFO0265	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	0	1	
VAFO0282	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	0	1	
VAFO0400	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/21/91-03/21/91	0	1	
VAFO0045	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	11/12/96-12/03/98	2	24	
VAFO0114	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/05/79-11/05/79	0	1	
VAFO0115	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/16/81	4	5	
VAFO0123	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/31/77-10/16/81	3	4	
VAFO0124	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0155	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/22/76-10/23/81	5	6	
VAFO0232	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/01/73-10/15/81	8	6	
VAFO0233	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/30/78-10/30/78	0	1	
VAFO0248	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	0	2	
VAFO0255	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	0	1	
VAFO0265	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	0	1	
VAFO0268	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	0	2	
VAFO0275	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	0	2	
VAFO0282	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	0	1	
VAFO0287	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	0	2	
VAFO0324	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/26/76-10/26/76	0	1	
VAFO0325	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/20/77-10/20/81	4	3	
VAFO0330	No	00600	NITROGEN, TOTAL (MG/L AS N)	12/30/98-12/30/98	0	1	
VAFO0343	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-12/30/98	0	2	
VAFO0346	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/22/76-10/15/81	4	6	
VAFO0348	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0349	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0360	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0369	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0374	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0420	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/26/76-10/20/81	4	3	
VAFO0428	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/02/73-10/15/81	8	7	
VAFO0433	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/09/79-10/21/81	1	3	
VAFO0450	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/21/76-10/16/81	4	4	
VAFO0454	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/27/76-10/21/81	4	6	
VAFO0458	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/21/76-11/01/79	3	2	
VAFO0115	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/09/85	3	4	
VAFO0123	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/21/83	2	3	
VAFO0155	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-10/20/83	1	3	
VAFO0190	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0216	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0232	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/08/85	3	4	
VAFO0325	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0339	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0346	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/82-10/07/85	2	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0420	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/11/85	3	4	
VAFO0428	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/07/85	3	3	
VAFO0433	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/10/85	3	4	
VAFO0450	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/08/85	3	4	
VAFO0454	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/11/85	3	4	
VAFO0458	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/08/85-10/08/85	0	1	
VAFO0028	No	00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0079	Yes	00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/28/78-12/28/78	0	1	
VAFO0097	No	00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0149	No	00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0433	No	00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/28/78-12/28/78	0	1	
VAFO0114	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/11/75-11/05/79	3	2	
VAFO0115	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	9	
VAFO0123	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	9	
VAFO0124	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0155	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-10/23/81	11	13	
VAFO0232	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	9	
VAFO0233	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/30/78	7	3	
VAFO0324	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/71-10/26/76	5	2	
VAFO0325	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/04/71-10/20/81	10	9	
VAFO0346	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	10	12	
VAFO0348	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0420	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/04/71-10/20/81	10	8	
VAFO0428	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	10	12	
VAFO0433	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-10/21/81	11	8	
VAFO0450	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/16/81	10	9	
VAFO0454	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/10/71-10/21/81	10	12	
VAFO0458	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-11/01/79	8	7	
VAFO0115	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/16/81-10/15/82	0	2	
VAFO0123	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/16/81-10/15/82	0	2	
VAFO0141	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	0	1	
VAFO0155	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/23/81-10/23/81	0	1	
VAFO0232	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/15/81-10/15/81	0	1	
VAFO0325	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0420	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0428	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/15/81-10/15/81	0	1	
VAFO0433	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/21/81-11/02/82	1	2	
VAFO0450	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/16/81-10/18/82	1	2	
VAFO0454	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/21/81-11/02/82	1	2	
VAFO0115	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	15	22	
VAFO0123	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	15	14	
VAFO0141	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	0	1	
VAFO0155	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/81-11/07/95	14	13	
VAFO0168	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/06/87-08/06/87	0	1	
VAFO0188	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0190	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0216	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0232	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/31/96	15	14	
VAFO0234	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0244	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0246	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0284	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0298	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0322	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0325	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0328	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0338	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0339	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0346	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/11/95	13	15	
VAFO0387	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0389	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/13/94-06/13/94	0	1	
VAFO0420	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	14	25	
VAFO0428	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/12/95	13	14	
VAFO0433	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/81-10/28/96	15	15	
VAFO0450	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	13	23	
VAFO0454	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/81-11/06/95	14	15	
VAFO0458	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/84-10/31/96	12	11	
VAFO0005	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0008	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/07/89-07/08/98	8	15	
VAFO0013	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/89-09/28/89	0	1	
VAFO0015	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/21/92-02/21/92	0	1	
VAFO0016	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/21/89-07/08/98	8	21	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0020	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/24/89-08/04/98	8	5	
VAFO0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0023	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/89-07/23/98	8	2	
VAFO0024	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-07/14/98	8	12	
VAFO0027	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/12/93-07/23/98	4	4	
VAFO0030	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/18/89-08/04/98	8	4	
VAFO0031	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/73-11/23/87	14	49	
VAFO0032	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/72-08/03/77	4	18	
VAFO0035	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/05/97	7	15	
VAFO0037	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/90-02/22/92	1	17	
VAFO0038	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/03/94-01/03/94	0	1	
VAFO0039	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/89-07/20/98	8	6	
VAFO0040	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-09/21/89	0	3	
VAFO0041	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/25/91-09/25/91	0	1	
VAFO0042	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0043	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	26	106	T,A
VAFO0046	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/69-08/08/77	7	20	
VAFO0051	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0053	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/91-07/23/91	0	2	
VAFO0054	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/14/98	8	11	
VAFO0055	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/10/93-08/07/98	4	3	
VAFO0057	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0058	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0059	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0060	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0062	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0063	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0064	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	0	1	
VAFO0065	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/24/89-07/23/98	8	6	
VAFO0066	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/91-12/27/91	0	3	
VAFO0069	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-07/14/98	8	23	
VAFO0071	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/12/93-07/20/98	4	4	
VAFO0073	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-07/08/98	8	25	
VAFO0075	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-12/14/93	4	4	
VAFO0077	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0081	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/89-07/06/98	8	14	
VAFO0083	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/20/93-08/07/98	4	3	
VAFO0085	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/89-07/17/98	8	15	
VAFO0087	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/89-07/09/97	7	8	
VAFO0088	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/93-11/22/93	0	7	
VAFO0089	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0090	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0091	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/93-12/11/96	2	3	
VAFO0093	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/93-07/06/98	5	12	
VAFO0098	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/07/89-07/13/98	8	13	
VAFO0101	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0102	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0103	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0104	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0105	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0107	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0111	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/90-11/22/93	3	17	
VAFO0112	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0114	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/11/75-11/05/79	3	2	
VAFO0115	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	9	
VAFO0116	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-11/22/93	3	16	
VAFO0119	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0120	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0121	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0122	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0123	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	8	
VAFO0124	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0125	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/19/93-05/19/93	0	1	
VAFO0126	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0129	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/91-12/12/91	0	1	
VAFO0130	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/20/91-02/22/92	0	6	
VAFO0131	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/08/84-11/08/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0137	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0140	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0142	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/91-09/18/91	0	2	
VAFO0144	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0145	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0147	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0150	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0153	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0155	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/23/81	11	12	
VAFO0156	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0160	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0163	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0167	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/31/94	0	2	
VAFO0169	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/91-02/22/92	0	6	
VAFO0171	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0174	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0176	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0177	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0179	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/90-05/31/90	0	1	
VAFO0180	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0183	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0189	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0196	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/08/84-11/08/84	0	1	
VAFO0197	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-11/22/93	3	17	
VAFO0198	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0200	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0201	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0204	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0208	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0209	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0213	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0214	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0215	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0218	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0222	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0232	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	9	
VAFO0233	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/30/78	7	3	
VAFO0238	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-05/09/95	0	1	
VAFO0242	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0243	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/90-11/29/93	3	16	
VAFO0245	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0248	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/96-12/30/98	2	3	
VAFO0250	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0251	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0254	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0255	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-01/07/98	2	5	
VAFO0256	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/23/95-09/03/96	1	3	
VAFO0257	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0258	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0259	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/96-09/03/96	0	3	
VAFO0260	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0265	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/96-01/07/98	1	5	
VAFO0266	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0267	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-09/03/96	1	4	
VAFO0268	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-01/07/98	1	4	
VAFO0274	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0275	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-12/30/98	2	4	
VAFO0279	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0280	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/90-11/29/93	3	16	
VAFO0281	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0282	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-01/07/98	2	6	
VAFO0287	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/04/98-12/30/98	0	2	
VAFO0290	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0295	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0300	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0303	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0304	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0306	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0307	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0316	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0319	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0324	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/29/70-10/26/76	6	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0325	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/71-10/20/81	10	9	
VAFO0327	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0330	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/98-12/30/98	0	1	
VAFO0333	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0334	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0335	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0340	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0341	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0342	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0343	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/07/98-12/30/98	0	2	
VAFO0346	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/71-10/15/81	10	11	
VAFO0348	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0349	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0350	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0360	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0361	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0363	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0364	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0366	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0369	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0374	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0375	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0379	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0386	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0388	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0394	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0395	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0398	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0400	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0401	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0403	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0404	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0406	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0412	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0413	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0420	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/71-10/20/81	10	8	
VAFO0422	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0423	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0424	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0425	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0428	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/15/81	10	12	
VAFO0433	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/21/81	11	19	
VAFO0434	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	15	117	T,A
VAFO0440	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0443	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0447	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0449	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/95-05/25/95	0	1	
VAFO0450	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/16/81	10	9	
VAFO0452	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/91-03/06/96	4	3	
VAFO0454	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/71-10/21/81	10	12	
VAFO0458	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-11/01/79	8	7	
VAFO0011	No	00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	15	35	
VAFO0074	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	15	37	
VAFO0100	No	00612	AMMONIA, UNIONZED (MG/L AS N)	11/09/71-03/17/97	25	29	
VAFO0106	No	00612	AMMONIA, UNIONZED (MG/L AS N)	09/03/70-03/17/97	26	40	
VAFO0110	No	00612	AMMONIA, UNIONZED (MG/L AS N)	03/26/84-08/30/84	0	3	
VAFO0132	No	00612	AMMONIA, UNIONZED (MG/L AS N)	05/06/70-03/18/97	26	42	
VAFO0133	No	00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	15	35	
VAFO0220	No	00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	15	38	
VAFO0269	No	00612	AMMONIA, UNIONZED (MG/L AS N)	01/27/81-03/25/97	16	34	
VAFO0278	No	00612	AMMONIA, UNIONZED (MG/L AS N)	02/23/71-03/17/97	26	39	
VAFO0442	No	00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	15	33	
VAFO0444	No	00612	AMMONIA, UNIONZED (MG/L AS N)	01/11/70-03/18/97	27	39	
VAFO0115	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	15	22	
VAFO0123	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	15	14	
VAFO0141	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	0	1	
VAFO0155	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-11/07/95	14	13	
VAFO0188	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0190	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0216	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0232	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/31/96	15	14	
VAFO0234	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0244	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0246	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0284	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0298	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0318	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/05/85-07/05/85	0	1	
VAFO0322	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0325	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0328	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0338	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0339	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0346	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/11/95	13	15	
VAFO0387	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0389	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/13/94-06/13/94	0	1	
VAFO0420	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	14	25	
VAFO0428	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/12/95	13	14	
VAFO0433	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/28/96	15	15	
VAFO0450	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	13	23	
VAFO0454	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-11/06/95	14	15	
VAFO0458	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/05/84-10/31/96	12	11	
VAFO0011	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/20/82-03/17/97	14	32	
VAFO0031	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	14	47	
VAFO0032	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/72-08/03/77	4	17	
VAFO0042	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	26	106	T,A
VAFO0046	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/72-08/08/77	5	18	
VAFO0074	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	14	34	
VAFO0076	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/28/89	16	5	
VAFO0088	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/25/93-11/22/93	0	7	
VAFO0089	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0096	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/28/89	16	5	
VAFO0100	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/09/71-03/17/97	25	30	
VAFO0102	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0103	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0104	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0105	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0106	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/70-03/17/97	26	37	
VAFO0110	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/26/84-08/30/84	0	3	
VAFO0115	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	8	
VAFO0119	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0120	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0121	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0123	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	6	
VAFO0124	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0126	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0131	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	0	1	
VAFO0132	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/05/70-03/18/97	26	42	
VAFO0133	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	15	34	
VAFO0137	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0142	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/91-09/18/91	0	2	
VAFO0144	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0145	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0150	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0155	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	11	11	
VAFO0156	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0160	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0163	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0167	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/31/94	0	2	
VAFO0168	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/87-08/06/87	0	1	
VAFO0171	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0174	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0176	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0177	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0180	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0183	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0189	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0193	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/28/89	16	5	
VAFO0196	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	0	1	
VAFO0198	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0200	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0201	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0204	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0208	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0209	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0213	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0214	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0215	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0218	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0220	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	14	35	
VAFO0222	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0232	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	6	
VAFO0233	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/70-10/30/78	8	4	
VAFO0238	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-05/09/95	0	1	
VAFO0242	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0245	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0248	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/14/96-12/30/98	2	3	
VAFO0250	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0251	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0254	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0255	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	2	5	
VAFO0256	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/23/95-09/03/96	1	3	
VAFO0257	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0258	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0259	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/14/96-09/03/96	0	3	
VAFO0260	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0265	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/14/96-01/07/98	1	5	
VAFO0266	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0267	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-09/03/96	1	4	
VAFO0268	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-01/07/98	1	4	
VAFO0269	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/27/81-03/25/97	16	33	
VAFO0274	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0275	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-12/30/98	2	4	
VAFO0278	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	14	35	
VAFO0279	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0281	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0282	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	2	6	
VAFO0287	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	0	2	
VAFO0290	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0295	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0300	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0304	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0306	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0307	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0310	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	5	2	
VAFO0316	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0324	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/29/70-10/26/76	6	3	
VAFO0325	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/71-10/20/81	10	5	
VAFO0327	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0330	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/30/98-12/30/98	0	1	
VAFO0333	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0334	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0335	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0341	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0343	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/07/98-12/30/98	0	2	
VAFO0346	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/71-10/15/81	10	8	
VAFO0348	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0349	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0350	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0360	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0361	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0363	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0364	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0366	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0369	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0374	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0379	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0388	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0391	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	5	2	
VAFO0395	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0400	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0401	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0403	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0404	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0406	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0412	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0413	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0420	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/71-10/20/81	10	5	
VAFO0423	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0424	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0428	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/70-10/15/81	11	10	
VAFO0433	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/05/70-10/21/81	11	17	
VAFO0434	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	15	117	T,A
VAFO0440	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0442	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	15	32	
VAFO0443	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0444	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/11/70-03/18/97	27	37	
VAFO0447	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0449	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/25/95-05/25/95	0	1	
VAFO0450	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/71-10/16/81	10	7	
VAFO0452	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/26/91-03/06/96	4	3	
VAFO0454	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/71-10/21/81	10	9	
VAFO0458	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/71-10/21/76	5	4	
VAFO0032	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/21/56-11/21/56	0	1	
VAFO0050	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/25/26-07/08/68	41	8	
VAFO0115	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/21/83	2	3	
VAFO0123	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/21/83	2	3	
VAFO0141	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	0	1	
VAFO0155	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-10/20/83	1	3	
VAFO0173	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/69-04/15/70	0	3	
VAFO0190	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0216	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0232	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/18/83	2	2	
VAFO0325	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0339	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0346	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/17/83	2	3	
VAFO0414	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/15/69-04/15/70	1	5	
VAFO0420	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/19/82-10/20/83	1	2	
VAFO0426	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/08/65-04/08/65	0	1	
VAFO0428	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/17/83	2	3	
VAFO0433	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/29/56-10/20/83	27	6	
VAFO0450	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/18/83	2	3	
VAFO0454	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/02/82-10/20/83	0	2	
VAFO0019	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/12/71-03/03/72	0	2	
VAFO0031	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	14	56	T
VAFO0032	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-08/03/77	27	20	
VAFO0042	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0043	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	26	106	T,A
VAFO0046	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/24/72-08/08/77	5	18	
VAFO0051	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0076	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/07/92	20	6	
VAFO0077	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0088	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/93-11/22/93	0	7	
VAFO0089	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	17	
VAFO0096	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/07/92	20	6	
VAFO0101	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0102	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0103	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0104	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0105	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0107	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0112	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0114	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/75-11/11/75	0	1	
VAFO0115	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	9	
VAFO0119	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0120	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0121	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0122	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0123	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	8	
VAFO0124	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0126	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0131	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	0	1	
VAFO0137	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0142	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/91-09/18/91	0	2	
VAFO0144	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0145	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0150	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0155	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	11	13	
VAFO0156	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0160	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0163	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0167	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/31/94	0	2	
VAFO0168	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/87-08/06/87	0	1	
VAFO0171	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0174	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0176	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0177	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0180	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0183	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0189	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0193	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/07/92	20	6	
VAFO0196	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	0	1	
VAFO0198	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	0	1	
VAFO0200	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0201	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0204	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0208	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0209	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0213	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0214	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0215	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0218	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0222	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0232	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/12/69-10/19/77	7	8	
VAFO0233	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/70-10/30/80	10	6	
VAFO0237	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/93-10/05/93	0	1	
VAFO0238	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-05/09/95	0	1	
VAFO0242	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0245	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0248	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/14/96-12/30/98	2	3	
VAFO0250	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0251	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0254	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	
VAFO0255	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	2	5	
VAFO0256	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/23/95-09/03/96	1	3	
VAFO0257	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0258	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0259	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/14/96-09/03/96	0	3	
VAFO0260	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0265	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/14/96-01/07/98	1	5	
VAFO0266	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0267	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-09/03/96	1	4	
VAFO0268	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-01/07/98	1	4	
VAFO0274	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0275	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-12/30/98	2	4	
VAFO0279	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0281	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0282	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	2	6	
VAFO0287	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	0	2	
VAFO0290	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0295	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0300	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0303	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0304	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0306	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0307	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0310	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	5	2	
VAFO0316	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0324	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/29/70-10/26/76	6	3	
VAFO0325	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/13/69-10/20/81	11	11	
VAFO0327	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
VAFO0330	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/30/98-12/30/98	0	1	
VAFO0333	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0334	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0335	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0340	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0341	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0342	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	0	1	
VAFO0343	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/07/98-12/30/98	0	2	
VAFO0346	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/69-10/15/81	11	13	
VAFO0348	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0349	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0350	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0360	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0361	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0363	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	0	1	
VAFO0364	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0366	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	0	1	
VAFO0369	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0374	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	0	1	
VAFO0375	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0379	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0386	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0388	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0391	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	5	2	
VAFO0394	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0395	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0398	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0400	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0401	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0403	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	0	1	
VAFO0404	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0406	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0409	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/06/94-10/06/94	0	1	
VAFO0412	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0413	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0420	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/12/69-10/20/81	11	11	
VAFO0422	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0423	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	0	1	
VAFO0424	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0425	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	0	1	
VAFO0428	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/18/70-10/30/80	10	13	
VAFO0433	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-10/21/81	31	24	
VAFO0434	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	15	116	T,A
VAFO0435	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/06/94-10/06/94	0	1	
VAFO0438	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/07/93-10/07/93	0	1	
VAFO0440	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0443	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0447	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0449	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/95-05/25/95	0	1	
VAFO0450	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/16/81	11	12	
VAFO0452	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/26/91-03/06/96	4	3	
VAFO0453	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/10/91-10/10/91	0	1	
VAFO0454	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/69-11/06/80	10	12	
VAFO0457	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/06/94-10/06/94	0	1	
VAFO0458	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/21/76	6	9	
VAFO0115	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/05/92	10	10	
VAFO0123	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/05/92	10	11	
VAFO0141	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	0	1	
VAFO0155	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/23/81-10/13/92	10	11	
VAFO0190	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0216	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0232	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/06/92	10	11	
VAFO0325	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	0	2	
VAFO0339	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0346	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/06/92	10	12	
VAFO0420	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/20/81-10/08/92	10	12	
VAFO0428	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/07/92	10	11	
VAFO0433	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/81-10/14/92	10	12	
VAFO0450	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/08/92	10	11	
VAFO0454	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/81-10/14/92	10	12	
VAFO0458	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/05/84-10/07/92	8	7	
VAFO0115	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/16/81-10/09/85	3	2	
VAFO0123	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/16/81-10/16/81	0	1	
VAFO0232	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/15/81-10/08/85	3	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0325	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/20/81-10/20/81	0	1	
VAFO0346	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/07/85-10/07/85	0	1	
VAFO0420	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/20/81-10/11/85	3	2	
VAFO0428	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/15/81-10/07/85	3	2	
VAFO0433	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/21/81-10/10/85	3	2	
VAFO0450	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/16/81-10/08/85	3	2	
VAFO0454	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/21/81-10/11/85	3	2	
VAFO0458	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/08/85-10/08/85	0	1	
VAFO0005	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	15	36	
VAFO0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0031	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/81-11/25/86	5	2	
VAFO0045	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/28/94-10/08/96	2	30	
VAFO0048	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-11/22/93	0	8	
VAFO0074	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	15	38	
VAFO0088	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/25/93-11/22/93	0	7	
VAFO0089	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0090	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0100	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/09/83-03/17/97	13	28	
VAFO0106	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	15	38	
VAFO0110	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/84-08/30/84	0	3	
VAFO0115	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/12/73-10/05/92	18	13	
VAFO0123	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-10/05/92	17	13	
VAFO0126	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0132	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	35	
VAFO0133	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	37	
VAFO0140	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0147	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0153	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0155	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/13/92	19	16	
VAFO0156	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0160	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0163	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0167	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/31/94	0	2	
VAFO0168	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/87-08/06/87	0	1	
VAFO0189	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0200	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/94-01/31/94	0	1	
VAFO0201	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0208	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0213	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0214	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0215	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/94-03/01/94	0	1	
VAFO0220	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	15	39	
VAFO0232	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/73-10/06/92	19	14	
VAFO0238	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-05/09/95	0	1	
VAFO0242	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0245	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0248	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/96-05/14/96	0	1	
VAFO0250	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0255	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-09/03/96	1	4	
VAFO0256	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/23/95-09/03/96	1	3	
VAFO0258	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0259	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/96-09/03/96	0	3	
VAFO0260	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0265	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/96-11/07/96	0	4	
VAFO0266	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0267	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-09/03/96	1	4	
VAFO0268	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0269	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/27/81-03/25/97	16	35	
VAFO0274	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0275	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	0	2	
VAFO0278	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	15	39	
VAFO0281	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0282	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-09/03/96	1	5	
VAFO0290	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0295	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/30/96-10/30/96	0	1	
VAFO0306	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0307	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	0	1	
VAFO0316	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0319	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0325	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/20/81	8	7	
VAFO0346	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/73-10/06/92	19	17	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0350	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0361	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	0	1	
VAFO0388	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0395	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0404	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	1	18	
VAFO0406	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0412	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/14/94-06/14/94	0	1	
VAFO0413	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0420	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/08/92	19	14	
VAFO0424	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-06/24/93	0	3	
VAFO0428	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/07/92	19	16	
VAFO0433	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/14/92	19	13	
VAFO0440	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0442	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	35	
VAFO0443	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/95-05/26/95	0	1	
VAFO0444	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	35	
VAFO0447	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	0	1	
VAFO0449	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/25/95-05/25/95	0	1	
VAFO0450	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/08/92	19	14	
VAFO0454	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/14/92	19	17	
VAFO0458	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/07/92	19	11	
VAFO0005	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	15	36	
VAFO0021	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0074	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	15	38	
VAFO0090	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0100	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/09/71-03/17/97	25	30	
VAFO0106	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/03/70-03/17/97	26	41	
VAFO0110	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/26/84-08/30/84	0	3	
VAFO0114	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/79-11/05/79	0	1	
VAFO0115	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/73-10/16/81	8	6	
VAFO0123	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/73-10/16/81	8	5	
VAFO0124	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0132	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/18/70-03/18/97	27	48	
VAFO0133	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	17	37	
VAFO0140	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0147	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0153	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0155	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-10/23/81	8	7	
VAFO0220	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	15	39	
VAFO0232	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/01/73-10/15/81	8	5	
VAFO0233	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/30/78-10/30/80	2	2	
VAFO0269	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/27/81-03/25/97	16	35	
VAFO0278	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/23/71-03/17/97	26	40	
VAFO0319	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	0	1	
VAFO0324	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-10/26/76	0	1	
VAFO0325	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/77-10/20/81	4	3	
VAFO0346	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/76-10/15/81	4	6	
VAFO0348	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0420	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-10/20/81	4	3	
VAFO0428	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/73-10/15/81	8	7	
VAFO0433	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-10/21/81	8	4	
VAFO0442	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	17	35	
VAFO0444	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/70-03/18/97	27	48	
VAFO0450	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/73-10/16/81	8	5	
VAFO0454	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-10/21/81	8	7	
VAFO0458	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/73-11/01/79	6	3	
VAFO0115	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/24/96	15	22	
VAFO0123	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/79-10/24/96	16	15	
VAFO0141	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/30/74-10/30/74	0	1	
VAFO0155	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/14/79-11/07/95	15	14	
VAFO0188	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0190	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0216	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0232	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/15/81-10/31/96	15	14	
VAFO0234	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0244	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0246	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0284	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0298	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0318	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/05/85-07/05/85	0	1	
VAFO0322	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0325	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-10/19/82	2	3	
VAFO0328	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0338	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0339	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/21/83-10/21/83	0	1	
VAFO0346	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/29/79-10/11/95	15	16	
VAFO0387	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0389	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/13/94-06/13/94	0	1	
VAFO0420	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/20/81-11/13/95	14	25	
VAFO0428	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/15/81-10/12/95	13	14	
VAFO0433	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-10/28/96	16	16	
VAFO0450	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/12/95	13	23	
VAFO0454	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-11/06/95	15	16	
VAFO0458	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/01/79-10/31/96	16	12	
VAFO0114	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	11/11/75-11/05/79	3	2	
VAFO0124	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/29/76-10/31/80	4	2	
VAFO0233	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/30/78-10/30/78	0	1	
VAFO0324	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/26/76-10/26/76	0	1	
VAFO0348	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	11/05/80-11/05/80	0	1	
VAFO0188	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0234	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0244	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0246	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0284	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0298	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0322	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0328	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0338	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0387	No	00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	0	1	
VAFO0008	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/17/96-12/17/96	0	1	
VAFO0016	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/17/96-12/17/96	0	1	
VAFO0050	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/72-07/24/72	0	1	
VAFO0054	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/04/96-12/04/96	0	1	
VAFO0092	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/11/96-12/11/96	0	1	
VAFO0093	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/09/96-12/09/96	0	1	
VAFO0115	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/31/80-10/31/80	0	1	
VAFO0155	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/10/80-11/10/80	0	1	
VAFO0232	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/12/67-10/30/80	12	5	
VAFO0346	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/29/80-10/29/80	0	1	
VAFO0400	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/21/91-03/21/91	0	1	
VAFO0401	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/21/91-03/21/91	0	1	
VAFO0403	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/21/91-03/21/91	0	1	
VAFO0420	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/05/80-11/05/80	0	1	
VAFO0428	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/30/80-10/30/80	0	1	
VAFO0433	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/06/80-11/06/80	0	1	
VAFO0436	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-04/14/68	0	2	
VAFO0437	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-07/15/68	0	5	
VAFO0445	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-04/14/68	0	2	
VAFO0450	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-10/30/80	12	4	
VAFO0451	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/26/68-02/26/68	0	1	
VAFO0454	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/06/80-11/06/80	0	1	
VAFO0455	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/14/68-07/15/68	0	10	
VAFO0461	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/14/68-04/14/68	0	1	
VAFO0005	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0019	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/09/70-08/12/71	1	12	
VAFO0021	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0049	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/97-10/06/97	0	1	
VAFO0050	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/68-04/25/68	0	1	
VAFO0076	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-10/07/92	20	6	
VAFO0090	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0096	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-10/07/92	20	6	
VAFO0115	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/15/82-10/15/82	0	1	
VAFO0123	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/15/82-10/15/82	0	1	
VAFO0140	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0141	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/30/74-10/30/74	0	1	
VAFO0147	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0153	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0155	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/23/81-11/02/82	1	2	
VAFO0193	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-10/07/92	20	6	
VAFO0237	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/05/93-10/05/93	0	1	
VAFO0310	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-09/27/78	5	2	
VAFO0319	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	0	1	
VAFO0325	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/20/81-10/19/82	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0391	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-09/27/78	5	2	
VAFO0409	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/94-10/06/94	0	1	
VAFO0420	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/20/81-10/19/82	0	2	
VAFO0428	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/18/82-10/18/82	0	1	
VAFO0433	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/12/69-09/24/71	2	13	
VAFO0435	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/94-10/06/94	0	1	
VAFO0438	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/07/93-10/07/93	0	1	
VAFO0450	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/18/82-10/18/82	0	1	
VAFO0453	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/10/91-10/10/91	0	1	
VAFO0457	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/94-10/06/94	0	1	
VAFO0031	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/73-11/23/87	14	49	
VAFO0032	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/25/70-08/03/77	6	16	
VAFO0042	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0043	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	25	105	T,A
VAFO0046	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/72-08/08/77	4	17	
VAFO0051	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	0	1	
VAFO0077	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	0	1	
VAFO0080	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0088	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/25/93-11/22/93	0	7	
VAFO0089	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	1	18	
VAFO0101	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0102	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0103	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0104	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	0	1	
VAFO0105	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0107	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	0	1	
VAFO0112	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	0	1	
VAFO0114	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/11/75-11/05/79	3	2	
VAFO0115	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/09/71-10/05/92	20	17	
VAFO0119	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0120	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0121	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0122	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0123	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/09/71-10/05/92	20	18	
VAFO0124	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/76-10/31/80	4	2	
VAFO0126	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	1	18	
VAFO0131	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/08/84-11/08/84	0	1	
VAFO0137	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0142	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/07/91-09/18/91	0	2	
VAFO0144	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	0	1	
VAFO0145	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0150	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0155	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/13/92	22	22	
VAFO0156	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	0	1	
VAFO0160	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	0	1	
VAFO0163	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/31/94-01/31/94	0	1	
VAFO0167	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/31/94	0	2	
VAFO0168	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/06/87-08/06/87	0	1	
VAFO0171	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0174	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	0	2	
VAFO0176	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	0	1	
VAFO0177	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	0	1	
VAFO0180	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	0	1	
VAFO0183	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	0	1	
VAFO0189	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/31/94-01/31/94	0	1	
VAFO0190	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/83-10/21/83	0	1	
VAFO0196	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/08/84-11/08/84	0	1	
VAFO0198	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	0	1	
VAFO0200	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/31/94-01/31/94	0	1	
VAFO0201	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	0	1	
VAFO0204	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	0	2	
VAFO0208	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-06/24/93	0	3	
VAFO0209	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0213	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/94-03/01/94	0	1	
VAFO0214	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/94-03/01/94	0	1	
VAFO0215	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/94-03/01/94	0	1	
VAFO0216	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/83-10/21/83	0	1	
VAFO0218	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0222	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0232	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/03/72-10/06/92	20	18	
VAFO0233	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/70-10/30/78	8	4	
VAFO0238	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-05/09/95	0	1	
VAFO0242	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	0	1	
VAFO0245	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	1	18	
VAFO0248	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/14/96-12/30/98	2	3	
VAFO0250	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-06/24/93	0	3	
VAFO0251	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0254	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	0	2	
VAFO0255	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-01/07/98	2	5	
VAFO0256	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/23/95-09/03/96	1	3	
VAFO0257	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0258	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	0	2	
VAFO0259	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/14/96-09/03/96	0	3	
VAFO0260	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	0	2	
VAFO0265	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/14/96-01/07/98	1	5	
VAFO0266	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	0	2	
VAFO0267	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-09/03/96	1	4	
VAFO0268	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-01/07/98	1	4	
VAFO0274	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	0	2	
VAFO0275	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-12/30/98	2	4	
VAFO0279	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/30/96-10/30/96	0	1	
VAFO0281	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	0	1	
VAFO0282	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-01/07/98	2	6	
VAFO0287	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/98-12/30/98	0	2	
VAFO0290	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	0	1	
VAFO0295	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/30/96-10/30/96	0	1	
VAFO0300	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	0	1	
VAFO0303	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0304	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0306	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	0	1	
VAFO0307	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	0	1	
VAFO0316	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	0	1	
VAFO0324	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/29/70-10/26/76	6	3	
VAFO0325	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/71-10/20/81	10	9	
VAFO0327	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	0	1	
VAFO0330	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/98-12/30/98	0	1	
VAFO0333	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	0	2	
VAFO0334	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0335	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0339	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/83-10/21/83	0	1	
VAFO0340	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0341	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0342	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	0	1	
VAFO0343	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/07/98-12/30/98	0	2	
VAFO0346	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/06/92	21	22	
VAFO0348	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/80-11/05/80	0	1	
VAFO0349	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	0	1	
VAFO0350	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	0	1	
VAFO0360	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	0	1	
VAFO0361	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	0	1	
VAFO0363	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	0	1	
VAFO0364	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0366	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	0	1	
VAFO0369	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	0	1	
VAFO0374	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	0	1	
VAFO0375	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0379	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0386	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0388	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/14/94-06/14/94	0	1	
VAFO0394	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0395	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/14/94-06/14/94	0	1	
VAFO0398	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0404	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	1	18	
VAFO0406	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	0	1	
VAFO0412	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/14/94-06/14/94	0	1	
VAFO0413	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/95-05/26/95	0	1	
VAFO0420	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/71-10/08/92	21	18	
VAFO0422	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0423	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	0	1	
VAFO0424	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-06/24/93	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0425	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	0	1	
VAFO0428	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/70-10/07/92	22	22	
VAFO0433	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/14/92	22	29	
VAFO0434	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	15	117	T,A
VAFO0440	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	0	1	
VAFO0443	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/95-05/26/95	0	1	
VAFO0447	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	0	1	
VAFO0449	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/25/95-05/25/95	0	1	
VAFO0450	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/08/92	21	18	
VAFO0452	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/91-03/06/96	4	3	
VAFO0454	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/10/71-10/14/92	21	22	
VAFO0458	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/07/92	21	14	
VAFO0115	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/05/92	10	10	
VAFO0123	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/05/92	10	11	
VAFO0155	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/81-10/13/92	10	11	
VAFO0168	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/06/87-08/06/87	0	1	
VAFO0232	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/06/92	10	11	
VAFO0325	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/81-10/19/82	0	2	
VAFO0346	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/06/92	10	12	
VAFO0420	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/81-10/08/92	10	12	
VAFO0428	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/07/92	10	11	
VAFO0433	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/81-10/14/92	10	12	
VAFO0450	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/08/92	10	11	
VAFO0454	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/81-10/14/92	10	12	
VAFO0458	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/05/84-10/07/92	8	7	
VAFO0028	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0079	Yes	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/28/78-12/28/78	0	1	
VAFO0097	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0149	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0433	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/28/78-12/28/78	0	1	
VAFO0011	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	15	36	
VAFO0045	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	4	51	A
VAFO0050	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/25/68-04/25/68	0	1	
VAFO0074	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	15	38	
VAFO0100	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/09/71-03/17/97	25	30	
VAFO0106	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/70-03/17/97	26	41	
VAFO0110	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/84-08/30/84	0	3	
VAFO0115	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	15	22	
VAFO0123	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	15	14	
VAFO0132	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/18/70-03/18/97	27	48	
VAFO0133	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	15	36	
VAFO0141	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/30/74-10/30/74	0	1	
VAFO0155	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/23/81-11/07/95	14	13	
VAFO0168	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/06/87-08/06/87	0	1	
VAFO0173	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/69-04/15/70	0	3	
VAFO0188	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0190	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/83-10/21/83	0	1	
VAFO0216	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/83-10/21/83	0	1	
VAFO0220	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	15	39	
VAFO0232	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/31/96	15	14	
VAFO0234	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0244	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0246	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0269	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/27/81-03/25/97	16	35	
VAFO0278	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/23/71-03/17/97	26	40	
VAFO0284	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0298	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0322	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0325	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-10/19/82	0	2	
VAFO0328	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0338	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0339	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/83-10/21/83	0	1	
VAFO0346	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/11/95	13	15	
VAFO0387	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	0	1	
VAFO0389	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/13/94-06/13/94	0	1	
VAFO0414	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/15/69-04/15/70	1	5	
VAFO0420	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-11/13/95	14	25	
VAFO0428	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/12/95	13	14	
VAFO0433	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/81-10/28/96	15	15	
VAFO0442	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	15	34	
VAFO0444	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/11/70-03/18/97	27	47	
VAFO0450	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/12/95	13	23	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0454	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/81-11/06/95	14	15	
VAFO0458	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/05/84-10/31/96	12	11	
VAFO0005	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0007	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/18/80-05/25/80	0	10	
VAFO0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0032	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/73-10/09/75	2	2	
VAFO0045	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	4	54	A
VAFO0048	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/75-10/15/75	0	1	
VAFO0088	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/25/93-11/22/93	0	7	
VAFO0089	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	1	18	
VAFO0090	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0126	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	1	18	
VAFO0140	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0142	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/07/91-09/18/91	0	2	
VAFO0147	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0153	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0160	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	0	1	
VAFO0163	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/94-01/31/94	0	1	
VAFO0167	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/31/94	0	2	
VAFO0189	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/94-01/31/94	0	1	
VAFO0200	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/94-01/31/94	0	1	
VAFO0201	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	0	1	
VAFO0208	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-06/24/93	0	3	
VAFO0213	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/01/94-03/01/94	0	1	
VAFO0214	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/01/94-03/01/94	0	1	
VAFO0215	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/01/94-03/01/94	0	1	
VAFO0238	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-05/09/95	0	1	
VAFO0242	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	0	1	
VAFO0245	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	1	18	
VAFO0248	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/96-12/30/98	2	3	
VAFO0250	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-06/24/93	0	3	
VAFO0255	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-01/07/98	2	5	
VAFO0256	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/23/95-09/03/96	1	3	
VAFO0258	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	0	2	
VAFO0259	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/96-09/03/96	0	3	
VAFO0260	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	0	2	
VAFO0265	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/96-01/07/98	1	5	
VAFO0266	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	0	2	
VAFO0267	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-09/03/96	1	4	
VAFO0268	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-01/07/98	1	4	
VAFO0274	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	0	2	
VAFO0275	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-12/30/98	2	4	
VAFO0279	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/30/96-10/30/96	0	1	
VAFO0281	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	0	1	
VAFO0282	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-01/07/98	2	6	
VAFO0287	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/04/98-12/30/98	0	2	
VAFO0290	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	0	1	
VAFO0295	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/30/96-10/30/96	0	1	
VAFO0306	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	0	1	
VAFO0307	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	0	1	
VAFO0319	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0330	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/30/98-12/30/98	0	1	
VAFO0343	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/07/98-12/30/98	0	2	
VAFO0349	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	0	1	
VAFO0350	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	0	1	
VAFO0360	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	0	1	
VAFO0361	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	0	1	
VAFO0369	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	0	1	
VAFO0374	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	0	1	
VAFO0388	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/14/94-06/14/94	0	1	
VAFO0395	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/14/94-06/14/94	0	1	
VAFO0404	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	1	17	
VAFO0412	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/14/94-06/14/94	0	1	
VAFO0424	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-06/24/93	0	3	
VAFO0433	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/75-10/15/75	0	1	
VAFO0434	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/73-07/23/73	0	1	
VAFO0452	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/91-03/06/96	4	3	
VAFO0007	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/18/80-06/25/80	0	11	
VAFO0045	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	4	52	A
VAFO0001	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0003	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0019	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0028	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/19/78-11/15/79	0	2	
VAFO0068	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/28/78-11/13/79	0	2	
VAFO0097	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/19/78-12/19/78	0	1	
VAFO0135	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	0	1	
VAFO0149	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/19/78-11/14/79	0	2	
VAFO0158	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	0	1	
VAFO0175	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	0	1	
VAFO0314	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	0	1	
VAFO0320	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	0	1	
VAFO0433	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/28/78-12/28/78	0	1	
VAFO0001	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0003	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0019	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0028	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0068	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	0	1	
VAFO0135	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	0	1	
VAFO0149	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	0	1	
VAFO0158	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	0	1	
VAFO0175	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	0	1	
VAFO0314	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	0	1	
VAFO0320	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	0	1	
VAFO0005	Yes	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0021	No	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0090	No	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0140	No	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0147	No	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0153	No	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0319	No	00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	0	1	
VAFO0001	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	0	1	
VAFO0003	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	0	1	
VAFO0009	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	02/01/95-02/01/95	0	1	
VAFO0019	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	05/09/95-05/09/95	0	1	
VAFO0028	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	06/22/94-06/22/94	0	1	
VAFO0068	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	04/17/95-04/17/95	0	2	
VAFO0097	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/19/78-12/19/78	0	1	
VAFO0115	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/18/93-11/18/93	0	1	
VAFO0123	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/18/93-11/18/93	0	1	
VAFO0135	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/14/79-11/14/79	0	1	
VAFO0149	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/19/78-11/14/79	0	2	
VAFO0155	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/28/94-10/28/94	0	1	
VAFO0158	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/14/79-11/14/79	0	1	
VAFO0175	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/06/79-12/06/79	0	1	
VAFO0232	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/26/94-10/26/94	0	1	
VAFO0314	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/13/79-11/13/79	0	1	
VAFO0320	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/06/79-12/06/79	0	1	
VAFO0346	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/02/96-10/02/96	0	1	
VAFO0420	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/06/96-11/06/96	0	1	
VAFO0433	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/28/78-10/28/94	15	2	
VAFO0458	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/31/96-10/31/96	0	1	
VAFO0045	Yes	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	04/20/98-07/14/98	0	2	
VAFO0146	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-09/25/90	0	1	
VAFO0151	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-09/25/90	0	1	
VAFO0160	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-01/12/94	3	2	
VAFO0163	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-01/31/94	3	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0189	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/31/94-01/31/94	0	1	
VAFO0200	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/31/94-01/31/94	0	1	
VAFO0201	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/12/94-01/12/94	0	1	
VAFO0205	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-09/25/90	0	1	
VAFO0005	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/22/81-04/22/81	0	1	
VAFO0045	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/09/82-07/14/98	16	3	
VAFO0050	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/17/70-02/17/70	0	1	
VAFO0146	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	0	1	
VAFO0151	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	0	1	
VAFO0159	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/23/81-04/23/81	0	1	
VAFO0160	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	0	1	
VAFO0163	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-01/31/94	3	2	
VAFO0189	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/31/94-01/31/94	0	1	
VAFO0200	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/31/94-01/31/94	0	1	
VAFO0205	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	0	1	
VAFO0207	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0115	No	00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	10/21/83-10/21/83	0	1	
VAFO0159	No	00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0115	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	03/20/84-03/20/84	0	1	
VAFO0123	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-10/21/83	0	1	
VAFO0190	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-10/21/83	0	1	
VAFO0216	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-10/21/83	0	1	
VAFO0339	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-03/20/84	0	2	
VAFO0420	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	03/23/84-03/23/84	0	1	
VAFO0450	No	00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	03/23/84-03/23/84	0	1	
VAFO0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	15	36	
VAFO0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/11/69-03/03/72	2	28	
VAFO0031	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	14	47	
VAFO0032	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	27	19	
VAFO0042	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	25	105	T,A
VAFO0046	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-11/22/93	0	8	
VAFO0049	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/06/97-10/06/97	0	2	
VAFO0050	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	50	20	
VAFO0074	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	15	38	
VAFO0080	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0088	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-11/22/93	0	6	
VAFO0089	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0100	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/09/83-03/17/97	13	28	
VAFO0101	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0102	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0103	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0104	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0105	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0106	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	15	38	
VAFO0110	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/84-08/30/84	0	3	
VAFO0115	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/73-10/15/82	9	8	
VAFO0119	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0120	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0121	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0122	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0123	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/73-10/15/82	9	7	
VAFO0126	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0131	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0132	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	36	
VAFO0133	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	37	
VAFO0137	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0141	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/30/74-10/30/74	0	1	
VAFO0142	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/91-09/18/91	0	2	
VAFO0144	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0145	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0150	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0155	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/73-11/02/82	9	9	
VAFO0156	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0160	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0163	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	0	1	
VAFO0167	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/31/94	0	2	
VAFO0171	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0173	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/69-04/15/70	0	3	
VAFO0174	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0176	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0177	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0180	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0183	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0189	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	0	1	
VAFO0196	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0198	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0200	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	0	1	
VAFO0201	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0204	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0208	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	0	3	
VAFO0209	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0213	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	0	1	
VAFO0214	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	0	1	
VAFO0215	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	0	1	
VAFO0218	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0220	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	15	39	
VAFO0222	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0232	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/67-11/02/82	14	13	
VAFO0238	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-05/09/95	0	1	
VAFO0242	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0245	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0248	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/14/96-12/30/98	2	3	
VAFO0250	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	0	3	
VAFO0251	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0254	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	0	1	
VAFO0255	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	2	5	
VAFO0256	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/95-09/03/96	1	3	
VAFO0257	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0258	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0259	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/14/96-09/03/96	0	3	
VAFO0260	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0265	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/14/96-01/07/98	1	5	
VAFO0266	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0267	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-09/03/96	1	4	
VAFO0268	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-01/07/98	1	4	
VAFO0269	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/81-03/25/97	16	35	
VAFO0274	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	0	2	
VAFO0275	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-12/30/98	2	4	
VAFO0278	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	15	39	
VAFO0279	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	0	1	
VAFO0281	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0282	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	2	6	
VAFO0287	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/04/98-12/30/98	0	2	
VAFO0290	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0295	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	0	1	
VAFO0300	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0303	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0304	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0306	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0307	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	0	1	
VAFO0316	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0325	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/19/82	9	7	
VAFO0327	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0330	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/30/98-12/30/98	0	1	
VAFO0333	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	0	2	
VAFO0334	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0335	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0340	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0341	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0343	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/07/98-12/30/98	0	2	
VAFO0346	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/73-10/19/82	9	9	
VAFO0349	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0350	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0360	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0361	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	0	1	
VAFO0363	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	0	1	
VAFO0364	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0366	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	0	1	
VAFO0369	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0374	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	0	1	
VAFO0375	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0379	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0386	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0388	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
VAFO0394	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0395	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
VAFO0398	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0404	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	1	18	
VAFO0406	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0412	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
VAFO0413	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	0	1	
VAFO0414	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/15/69-04/15/70	1	5	
VAFO0420	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/19/82	9	7	
VAFO0422	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0423	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	0	1	
VAFO0424	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	0	3	
VAFO0425	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	0	1	
VAFO0426	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/65-04/08/65	0	1	
VAFO0428	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/18/82	9	9	
VAFO0433	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-11/02/82	32	49	S
VAFO0434	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	15	116	T,A
VAFO0436	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-04/14/68	0	2	
VAFO0437	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-07/15/68	0	5	
VAFO0439	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/68-09/20/68	0	2	
VAFO0440	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0442	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	35	
VAFO0443	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	0	1	
VAFO0444	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	35	
VAFO0445	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-04/14/68	0	2	
VAFO0447	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	0	1	
VAFO0449	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/95-05/25/95	0	1	
VAFO0450	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-10/18/82	14	11	
VAFO0451	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/68-02/26/68	0	1	
VAFO0452	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/91-03/06/96	4	3	
VAFO0454	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/73-11/02/82	9	9	
VAFO0455	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/68-07/15/68	0	10	
VAFO0458	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/21/76	3	4	
VAFO0461	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/68-04/14/68	0	1	
VAFO0114	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	11/11/75-11/11/75	0	1	
VAFO0124	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10/29/76-10/31/80	4	2	
VAFO0233	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10/30/78-10/30/78	0	1	
VAFO0324	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10/26/76-10/26/76	0	1	
VAFO0348	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	11/05/80-11/05/80	0	1	
VAFO0019	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/11/69-03/03/72	2	28	
VAFO0032	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/25/26-07/08/68	41	8	
VAFO0114	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/11/75-11/11/75	0	1	
VAFO0115	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/12/73-10/27/78	5	5	
VAFO0123	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/12/73-10/27/78	5	5	
VAFO0124	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/29/76-10/29/76	0	1	
VAFO0141	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/30/74-10/30/74	0	1	
VAFO0155	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/73-10/31/78	5	6	
VAFO0232	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/12/67-10/19/77	9	8	
VAFO0233	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/30/78-10/30/78	0	1	
VAFO0324	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/26/76-10/26/76	0	1	
VAFO0325	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/31/78	5	5	
VAFO0346	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/01/73-10/30/78	5	6	
VAFO0420	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/26/76	3	4	
VAFO0426	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/08/65-04/08/65	0	1	
VAFO0428	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/30/78	5	6	
VAFO0433	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-10/25/74	24	36	
VAFO0436	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-02/04/68	0	1	
VAFO0437	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-07/15/68	0	4	
VAFO0439	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/15/68-09/20/68	0	2	
VAFO0445	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-02/04/68	0	1	
VAFO0450	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-10/19/77	9	7	
VAFO0451	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/68-02/26/68	0	1	
VAFO0454	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/73-11/01/78	5	6	
VAFO0455	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/28/68-07/15/68	0	9	
VAFO0458	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/21/76	3	4	
VAFO0019	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/11/69-03/03/72	2	28	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0031	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/12/73-06/11/75	2	6	
VAFO0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-08/03/77	27	18	
VAFO0045	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/17/73-06/23/75	2	10	
VAFO0050	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/25/26-08/08/77	50	19	
VAFO0089	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	0	4	
VAFO0114	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/11/75-11/11/75	0	1	
VAFO0115	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	18	20	
VAFO0123	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	18	16	
VAFO0124	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/29/76-10/31/80	4	2	
VAFO0126	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	0	4	
VAFO0141	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/30/74-10/30/74	0	1	
VAFO0155	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/73-10/13/92	19	18	
VAFO0173	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/15/69-04/15/70	0	3	
VAFO0190	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/21/83-10/21/83	0	1	
VAFO0216	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/21/83-10/21/83	0	1	
VAFO0232	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/67-10/06/92	24	20	
VAFO0233	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/23/74-10/30/78	4	2	
VAFO0244	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/09/98-09/09/98	0	1	
VAFO0245	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	0	4	
VAFO0284	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/09/98-09/09/98	0	1	
VAFO0318	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/85-07/05/85	0	1	
VAFO0324	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/26/76-10/26/76	0	1	
VAFO0325	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/19/82	9	7	
VAFO0339	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/21/83-10/21/83	0	1	
VAFO0346	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/01/73-10/06/92	19	19	
VAFO0348	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/05/80	0	1	
VAFO0389	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/13/94-06/13/94	0	1	
VAFO0404	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	0	4	
VAFO0414	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/15/69-04/15/70	1	5	
VAFO0420	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/08/92	19	21	
VAFO0426	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/08/65-04/08/65	0	1	
VAFO0428	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/07/92	19	18	
VAFO0433	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-10/14/92	42	59	T,S
VAFO0434	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/29/72-08/11/77	4	17	
VAFO0436	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-04/14/68	0	2	
VAFO0437	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-07/15/68	0	5	
VAFO0439	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/15/68-09/20/68	0	2	
VAFO0445	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-04/14/68	0	2	
VAFO0450	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-10/03/91	23	23	
VAFO0451	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/68-02/26/68	0	1	
VAFO0454	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/73-10/14/92	19	19	
VAFO0455	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/68-07/15/68	0	10	
VAFO0458	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/03/91	18	10	
VAFO0461	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/68-04/14/68	0	1	
VAFO0031	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-11/23/87	10	40	
VAFO0045	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	21	91	T,A
VAFO0046	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-11/22/93	0	8	
VAFO0088	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	05/25/93-11/22/93	0	7	
VAFO0089	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	1	18	
VAFO0105	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0115	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/09/71-11/24/72	1	2	
VAFO0121	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0123	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/09/71-10/24/72	0	2	
VAFO0126	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	1	18	
VAFO0131	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	0	1	
VAFO0142	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/07/91-09/18/91	0	2	
VAFO0145	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0155	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/70-10/24/72	2	4	
VAFO0156	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	0	1	
VAFO0160	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/12/94	0	1	
VAFO0163	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/31/94-01/31/94	0	1	
VAFO0167	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/31/94	0	2	
VAFO0174	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	0	1	
VAFO0177	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	0	1	
VAFO0180	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	0	1	
VAFO0183	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	0	1	
VAFO0189	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/31/94-01/31/94	0	1	
VAFO0196	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	0	1	
VAFO0198	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	0	1	
VAFO0200	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/31/94-01/31/94	0	1	
VAFO0204	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0208	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-06/24/93	0	3	
VAFO0213	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/94-03/01/94	0	1	
VAFO0214	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/94-03/01/94	0	1	
VAFO0215	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/94-03/01/94	0	1	
VAFO0218	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0222	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0232	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/03/72-10/30/80	8	2	
VAFO0238	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-05/09/95	0	1	
VAFO0242	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	0	1	
VAFO0245	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	1	18	
VAFO0248	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/14/96-12/30/98	2	3	
VAFO0250	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-06/24/93	0	3	
VAFO0254	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	0	1	
VAFO0255	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-01/07/98	2	5	
VAFO0256	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/23/95-09/03/96	1	3	
VAFO0257	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0258	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	0	2	
VAFO0259	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/14/96-09/03/96	0	3	
VAFO0260	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	0	2	
VAFO0265	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/14/96-01/07/98	1	5	
VAFO0266	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	0	2	
VAFO0267	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-09/03/96	1	4	
VAFO0268	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-01/07/98	1	4	
VAFO0274	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	0	2	
VAFO0275	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-12/30/98	2	4	
VAFO0279	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/30/96-10/30/96	0	1	
VAFO0281	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	0	1	
VAFO0282	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-01/07/98	2	6	
VAFO0287	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/04/98-12/30/98	0	2	
VAFO0290	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	0	1	
VAFO0295	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/30/96-10/30/96	0	1	
VAFO0306	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	0	1	
VAFO0307	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	0	1	
VAFO0316	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	0	1	
VAFO0325	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/06/70-10/09/72	2	3	
VAFO0330	No	00916	CALCIUM, TOTAL (MG/L AS CA)	12/30/98-12/30/98	0	1	
VAFO0333	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	0	1	
VAFO0335	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0340	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0343	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/07/98-12/30/98	0	2	
VAFO0346	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/03/71-10/03/72	1	3	
VAFO0349	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	0	1	
VAFO0350	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/12/94	0	1	
VAFO0360	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	0	1	
VAFO0361	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/12/94	0	1	
VAFO0363	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	0	1	
VAFO0369	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	0	1	
VAFO0374	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	0	1	
VAFO0375	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0386	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0388	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/14/94-06/14/94	0	1	
VAFO0394	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0395	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/14/94-06/14/94	0	1	
VAFO0398	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0404	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	1	18	
VAFO0406	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	0	1	
VAFO0412	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/14/94-06/14/94	0	1	
VAFO0413	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/26/95-05/26/95	0	1	
VAFO0420	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/06/70-10/09/72	2	3	
VAFO0422	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0424	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-06/24/93	0	3	
VAFO0425	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	0	1	
VAFO0428	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/70-10/03/72	2	5	
VAFO0433	No	00916	CALCIUM, TOTAL (MG/L AS CA)	12/10/69-10/30/72	2	6	
VAFO0434	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	10	98	A
VAFO0440	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	0	1	
VAFO0443	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/26/95-05/26/95	0	1	
VAFO0447	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	0	1	
VAFO0449	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/25/95-05/25/95	0	1	
VAFO0450	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/70-10/03/72	2	3	
VAFO0452	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/26/91-03/06/96	4	3	
VAFO0454	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/24/70-10/30/72	2	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0458	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/04/70-10/03/72	2	3	
VAFO0233	No	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	09/29/70-09/28/71	0	2	
VAFO0233	No	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	09/29/70-09/28/71	0	2	
VAFO0233	No	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	09/29/70-09/28/71	0	2	
VAFO0019	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/11/69-03/03/72	2	27	
VAFO0031	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/12/73-06/11/75	2	7	
VAFO0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-08/03/77	27	16	
VAFO0045	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/17/73-06/23/75	2	10	
VAFO0050	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/26-08/08/77	50	19	
VAFO0089	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	0	4	
VAFO0114	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/11/75-11/11/75	0	1	
VAFO0115	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	18	20	
VAFO0123	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	18	16	
VAFO0124	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/29/76-10/31/80	4	2	
VAFO0126	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	0	4	
VAFO0141	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/30/74-10/30/74	0	1	
VAFO0155	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/73-10/13/92	19	18	
VAFO0173	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/15/69-04/15/70	0	3	
VAFO0190	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/21/83-10/21/83	0	1	
VAFO0216	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/21/83-10/21/83	0	1	
VAFO0232	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/67-10/06/92	24	20	
VAFO0233	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/23/74-10/30/78	4	2	
VAFO0244	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/09/98-09/09/98	0	1	
VAFO0245	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	0	4	
VAFO0284	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/09/98-09/09/98	0	1	
VAFO0318	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/85-07/05/85	0	1	
VAFO0324	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/26/76-10/26/76	0	1	
VAFO0325	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/19/82	9	7	
VAFO0339	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/21/83-10/21/83	0	1	
VAFO0346	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/01/73-10/06/92	19	19	
VAFO0348	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/05/80	0	1	
VAFO0389	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/13/94-06/13/94	0	1	
VAFO0404	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	0	4	
VAFO0414	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/15/69-04/15/70	1	5	
VAFO0420	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/08/92	19	21	
VAFO0426	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/08/65-04/08/65	0	1	
VAFO0428	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/07/92	19	18	
VAFO0433	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-10/14/92	42	59	T,S
VAFO0434	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/29/72-08/11/77	4	17	
VAFO0436	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-04/14/68	0	2	
VAFO0437	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-07/15/68	0	5	
VAFO0439	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/15/68-09/20/68	0	2	
VAFO0445	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-04/14/68	0	2	
VAFO0450	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-10/03/91	23	23	
VAFO0451	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/68-02/26/68	0	1	
VAFO0454	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/73-10/14/92	19	19	
VAFO0455	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/68-07/15/68	0	10	
VAFO0458	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/03/91	18	10	
VAFO0461	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/68-04/14/68	0	1	
VAFO0031	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-11/23/87	10	40	
VAFO0045	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	21	89	T,A
VAFO0046	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-11/22/93	0	8	
VAFO0088	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/25/93-11/22/93	0	7	
VAFO0089	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	1	18	
VAFO0105	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0115	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/09/71-11/24/72	1	2	
VAFO0121	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0123	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/09/71-10/24/72	0	2	
VAFO0126	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	1	18	
VAFO0131	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	0	1	
VAFO0142	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/07/91-09/18/91	0	2	
VAFO0145	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0155	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/70-10/24/72	2	4	
VAFO0156	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	0	1	
VAFO0160	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/12/94	0	1	
VAFO0163	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/31/94-01/31/94	0	1	
VAFO0167	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/31/94	0	2	
VAFO0174	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0177	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	0	1	
VAFO0180	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	0	1	
VAFO0183	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	0	1	
VAFO0189	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/31/94-01/31/94	0	1	
VAFO0196	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	0	1	
VAFO0198	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	0	1	
VAFO0200	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/31/94-01/31/94	0	1	
VAFO0204	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	0	1	
VAFO0208	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-06/24/93	0	3	
VAFO0213	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/94-03/01/94	0	1	
VAFO0214	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/94-03/01/94	0	1	
VAFO0215	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/94-03/01/94	0	1	
VAFO0218	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0222	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0232	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/03/72-10/03/72	0	1	
VAFO0238	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-05/09/95	0	1	
VAFO0242	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	0	1	
VAFO0245	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	1	18	
VAFO0248	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/96-12/30/98	2	3	
VAFO0250	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-06/24/93	0	3	
VAFO0254	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	0	1	
VAFO0255	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-01/07/98	2	5	
VAFO0256	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/23/95-09/03/96	1	3	
VAFO0257	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0258	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	0	2	
VAFO0259	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/96-09/03/96	0	3	
VAFO0260	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	0	2	
VAFO0265	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/96-01/07/98	1	5	
VAFO0266	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	0	2	
VAFO0267	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-09/03/96	1	4	
VAFO0268	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-01/07/98	1	4	
VAFO0274	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	0	2	
VAFO0275	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-12/30/98	2	4	
VAFO0279	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/30/96-10/30/96	0	1	
VAFO0281	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	0	1	
VAFO0282	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-01/07/98	2	6	
VAFO0287	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/04/98-12/30/98	0	2	
VAFO0290	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	0	1	
VAFO0295	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/30/96-10/30/96	0	1	
VAFO0306	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	0	1	
VAFO0307	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	0	1	
VAFO0316	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	0	1	
VAFO0325	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/06/70-10/09/72	2	3	
VAFO0330	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/30/98-12/30/98	0	1	
VAFO0333	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	0	1	
VAFO0335	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0343	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/07/98-12/30/98	0	2	
VAFO0346	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/03/71-10/03/72	1	3	
VAFO0349	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	0	1	
VAFO0350	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/12/94	0	1	
VAFO0360	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	0	1	
VAFO0361	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/12/94	0	1	
VAFO0363	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	0	1	
VAFO0369	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	0	1	
VAFO0374	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	0	1	
VAFO0388	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/14/94-06/14/94	0	1	
VAFO0395	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/14/94-06/14/94	0	1	
VAFO0404	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	1	18	
VAFO0406	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	0	1	
VAFO0412	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/14/94-06/14/94	0	1	
VAFO0413	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/26/95-05/26/95	0	1	
VAFO0420	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/06/70-10/09/72	2	3	
VAFO0424	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-06/24/93	0	3	
VAFO0428	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/70-10/03/72	2	5	
VAFO0433	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/10/69-10/30/72	2	6	
VAFO0434	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	10	98	A
VAFO0440	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	0	1	
VAFO0443	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/26/95-05/26/95	0	1	
VAFO0447	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	0	1	
VAFO0449	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/25/95-05/25/95	0	1	
VAFO0450	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/70-10/03/72	2	3	
VAFO0452	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/26/91-03/06/96	4	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0454	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/24/70-10/30/72	2	4	
VAFO0458	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/04/70-10/03/72	2	3	
VAFO0011	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	15	36	
VAFO0074	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	15	38	
VAFO0100	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/09/71-03/17/97	25	30	
VAFO0106	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/70-03/17/97	26	41	
VAFO0110	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/26/84-08/30/84	0	3	
VAFO0115	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/09/71-11/24/72	1	2	
VAFO0123	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/09/71-10/24/72	0	2	
VAFO0132	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/18/70-03/18/97	27	47	
VAFO0133	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	15	36	
VAFO0142	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/07/91-09/18/91	0	2	
VAFO0155	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/05/70-10/24/72	2	4	
VAFO0160	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/12/94-01/12/94	0	1	
VAFO0163	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/31/94-01/31/94	0	1	
VAFO0167	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/12/94-01/31/94	0	2	
VAFO0189	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/31/94-01/31/94	0	1	
VAFO0200	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/31/94-01/31/94	0	1	
VAFO0220	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	15	39	
VAFO0232	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/03/72-10/03/72	0	1	
VAFO0242	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	0	1	
VAFO0248	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/30/98-12/30/98	0	1	
VAFO0255	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	1	2	
VAFO0256	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0258	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0259	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0260	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0265	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	1	3	
VAFO0266	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0267	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0268	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	1	3	
VAFO0269	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/27/81-03/25/97	16	35	
VAFO0274	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	0	1	
VAFO0275	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-12/30/98	2	2	
VAFO0278	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	15	39	
VAFO0279	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/30/96-10/30/96	0	1	
VAFO0281	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	0	1	
VAFO0282	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	1	2	
VAFO0287	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/30/98-12/30/98	0	1	
VAFO0290	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	0	1	
VAFO0295	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/30/96-10/30/96	0	1	
VAFO0306	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	0	1	
VAFO0307	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	0	1	
VAFO0325	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/06/70-10/09/72	2	3	
VAFO0330	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/30/98-12/30/98	0	1	
VAFO0343	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/07/98-12/30/98	0	2	
VAFO0346	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/03/71-10/03/72	1	3	
VAFO0350	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/12/94-01/12/94	0	1	
VAFO0420	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/06/70-10/09/72	2	3	
VAFO0428	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/05/70-10/03/72	2	5	
VAFO0433	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/10/69-10/30/72	2	6	
VAFO0442	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	15	34	
VAFO0444	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/11/70-03/18/97	27	39	
VAFO0450	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/05/70-10/03/72	2	3	
VAFO0452	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/26/91-03/06/96	4	3	
VAFO0454	No	00929	SODIUM, TOTAL (MG/L AS NA)	02/24/70-10/30/72	2	4	
VAFO0458	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/04/70-10/03/72	2	3	
VAFO0019	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/09/69-10/12/71	2	17	
VAFO0032	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-06/13/50	0	2	
VAFO0050	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/25/26-07/08/68	41	8	
VAFO0061	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/06/77-07/06/77	0	1	
VAFO0114	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/11/75-11/11/75	0	1	
VAFO0115	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	18	20	
VAFO0123	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	18	16	
VAFO0124	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/29/76-10/31/80	4	2	
VAFO0141	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/30/74-10/30/74	0	1	
VAFO0155	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/73-10/13/92	19	18	
VAFO0190	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/21/83-10/21/83	0	1	
VAFO0216	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/21/83-10/21/83	0	1	
VAFO0232	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/71-10/06/92	20	17	
VAFO0233	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/74-10/30/78	4	2	
VAFO0244	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/09/98-09/09/98	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0284	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/09/98-09/09/98	0	1	
VAFO0318	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/05/85-07/05/85	0	1	
VAFO0324	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/26/76-10/26/76	0	1	
VAFO0325	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/19/82	9	7	
VAFO0339	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/21/83-10/21/83	0	1	
VAFO0346	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/01/73-10/06/92	19	19	
VAFO0348	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/05/80	0	1	
VAFO0389	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/13/94-06/13/94	0	1	
VAFO0397	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/28/77-06/28/77	0	1	
VAFO0420	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/08/92	19	21	
VAFO0426	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/08/65-04/08/65	0	1	
VAFO0428	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/07/92	19	18	
VAFO0433	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-10/14/92	42	34	
VAFO0446	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/77-06/27/77	0	1	
VAFO0450	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	18	20	
VAFO0454	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/73-10/14/92	19	19	
VAFO0458	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	18	10	
VAFO0459	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/77-06/27/77	0	1	
VAFO0460	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/77-06/27/77	0	1	
VAFO0019	No	00931	SODIUM ADSORPTION RATIO	03/11/69-10/12/71	2	27	
VAFO0032	No	00931	SODIUM ADSORPTION RATIO	05/25/50-06/13/50	0	2	
VAFO0050	Yes	00931	SODIUM ADSORPTION RATIO	09/25/26-07/08/68	41	8	
VAFO0115	No	00931	SODIUM ADSORPTION RATIO	10/12/73-10/15/82	9	8	
VAFO0123	No	00931	SODIUM ADSORPTION RATIO	10/12/73-10/15/82	9	7	
VAFO0141	No	00931	SODIUM ADSORPTION RATIO	10/30/74-10/30/74	0	1	
VAFO0155	No	00931	SODIUM ADSORPTION RATIO	10/04/73-11/02/82	9	9	
VAFO0232	No	00931	SODIUM ADSORPTION RATIO	12/12/67-11/02/82	14	10	
VAFO0325	No	00931	SODIUM ADSORPTION RATIO	10/02/73-10/19/82	9	7	
VAFO0346	No	00931	SODIUM ADSORPTION RATIO	10/01/73-10/19/82	9	9	
VAFO0420	No	00931	SODIUM ADSORPTION RATIO	10/02/73-10/19/82	9	7	
VAFO0426	No	00931	SODIUM ADSORPTION RATIO	04/08/65-04/08/65	0	1	
VAFO0428	No	00931	SODIUM ADSORPTION RATIO	10/02/73-10/18/82	9	9	
VAFO0433	No	00931	SODIUM ADSORPTION RATIO	05/25/50-11/02/82	32	37	S
VAFO0436	No	00931	SODIUM ADSORPTION RATIO	02/04/68-02/04/68	0	1	
VAFO0437	No	00931	SODIUM ADSORPTION RATIO	02/04/68-02/04/68	0	1	
VAFO0439	No	00931	SODIUM ADSORPTION RATIO	05/15/68-09/20/68	0	2	
VAFO0445	No	00931	SODIUM ADSORPTION RATIO	02/04/68-02/04/68	0	1	
VAFO0450	No	00931	SODIUM ADSORPTION RATIO	02/04/68-10/18/82	14	9	
VAFO0451	No	00931	SODIUM ADSORPTION RATIO	02/26/68-02/26/68	0	1	
VAFO0454	No	00931	SODIUM ADSORPTION RATIO	10/04/73-11/02/82	9	9	
VAFO0458	No	00931	SODIUM ADSORPTION RATIO	10/02/73-10/21/76	3	4	
VAFO0019	No	00932	SODIUM, PERCENT	03/11/69-10/12/71	2	27	
VAFO0032	No	00932	SODIUM, PERCENT	05/25/50-06/13/50	0	2	
VAFO0050	Yes	00932	SODIUM, PERCENT	09/25/26-04/25/68	41	7	
VAFO0115	No	00932	SODIUM, PERCENT	10/12/73-10/15/82	9	8	
VAFO0123	No	00932	SODIUM, PERCENT	10/12/73-10/15/82	9	7	
VAFO0141	No	00932	SODIUM, PERCENT	10/30/74-10/30/74	0	1	
VAFO0155	No	00932	SODIUM, PERCENT	10/04/73-11/02/82	9	9	
VAFO0232	No	00932	SODIUM, PERCENT	10/23/71-11/02/82	11	8	
VAFO0325	No	00932	SODIUM, PERCENT	10/02/73-10/19/82	9	7	
VAFO0346	No	00932	SODIUM, PERCENT	10/01/73-10/19/82	9	9	
VAFO0420	No	00932	SODIUM, PERCENT	10/02/73-10/19/82	9	7	
VAFO0426	No	00932	SODIUM, PERCENT	04/08/65-04/08/65	0	1	
VAFO0428	No	00932	SODIUM, PERCENT	10/02/73-10/18/82	9	9	
VAFO0433	No	00932	SODIUM, PERCENT	05/25/50-11/02/82	32	36	S
VAFO0450	No	00932	SODIUM, PERCENT	10/02/73-10/18/82	9	8	
VAFO0454	No	00932	SODIUM, PERCENT	10/04/73-11/02/82	9	9	
VAFO0458	No	00932	SODIUM, PERCENT	10/02/73-10/21/76	3	4	
VAFO0019	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	03/11/69-03/03/72	2	12	
VAFO0032	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	11/21/56-11/21/56	0	1	
VAFO0141	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/30/74-10/30/74	0	1	
VAFO0426	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	04/08/65-04/08/65	0	1	
VAFO0433	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	03/01/56-05/09/72	16	17	
VAFO0019	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/09/69-10/12/71	2	17	
VAFO0032	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-06/13/50	0	2	
VAFO0050	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/25/26-04/25/68	41	7	
VAFO0114	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/11/75-11/11/75	0	1	
VAFO0115	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	18	20	
VAFO0123	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	18	16	
VAFO0124	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/29/76-10/31/80	4	2	
VAFO0141	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/30/74-10/30/74	0	1	
VAFO0155	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/73-10/13/92	19	18	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0190	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/21/83-10/21/83	0	1	
VAFO0216	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/21/83-10/21/83	0	1	
VAFO0232	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/71-10/06/92	20	17	
VAFO0233	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/74-10/30/78	4	2	
VAFO0324	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/26/76-10/26/76	0	1	
VAFO0325	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/19/82	9	7	
VAFO0339	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/21/83-10/21/83	0	1	
VAFO0346	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/01/73-10/06/92	19	19	
VAFO0348	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/05/80	0	1	
VAFO0389	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/13/94-06/13/94	0	1	
VAFO0420	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/08/92	19	21	
VAFO0426	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/08/65-04/08/65	0	1	
VAFO0428	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/07/92	19	18	
VAFO0433	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-10/14/92	42	34	
VAFO0450	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	18	20	
VAFO0454	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/73-10/14/92	19	19	
VAFO0458	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	18	10	
VAFO0011	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	15	36	
VAFO0074	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	15	38	
VAFO0100	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/09/71-03/17/97	25	29	
VAFO0106	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/03/70-03/17/97	26	41	
VAFO0110	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/26/84-08/30/84	0	3	
VAFO0115	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/09/71-11/24/72	1	2	
VAFO0123	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/09/71-10/24/72	0	2	
VAFO0132	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/18/70-03/18/97	27	47	
VAFO0133	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	15	36	
VAFO0142	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/07/91-09/18/91	0	2	
VAFO0155	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/05/70-10/24/72	2	4	
VAFO0220	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	15	38	
VAFO0232	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/03/72-10/03/72	0	1	
VAFO0248	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	0	1	
VAFO0255	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	0	1	
VAFO0265	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	0	1	
VAFO0268	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	0	2	
VAFO0269	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/27/81-03/25/97	16	35	
VAFO0275	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	0	1	
VAFO0278	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	15	39	
VAFO0282	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	0	1	
VAFO0287	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	0	1	
VAFO0325	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/06/70-10/09/72	2	3	
VAFO0330	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	0	1	
VAFO0343	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-12/30/98	0	2	
VAFO0346	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/03/71-10/03/72	1	3	
VAFO0420	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/06/70-10/09/72	2	2	
VAFO0428	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/05/70-10/03/72	2	5	
VAFO0433	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/10/69-10/30/72	2	6	
VAFO0442	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	15	34	
VAFO0444	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/11/70-03/18/97	27	40	
VAFO0450	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/05/70-10/03/72	2	3	
VAFO0452	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/26/91-03/06/96	4	3	
VAFO0454	No	00937	POTASSIUM, TOTAL MG/L AS K)	02/24/70-10/30/72	2	4	
VAFO0458	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/04/70-10/03/72	2	3	
VAFO0233	No	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	09/29/70-09/28/71	0	2	
VAFO0008	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/89-07/08/98	8	15	
VAFO0011	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	15	36	
VAFO0013	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/89-09/28/89	0	1	
VAFO0016	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/92-07/08/98	6	19	
VAFO0019	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/69-03/03/72	2	28	
VAFO0020	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/24/89-08/04/98	8	5	
VAFO0023	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/98-07/23/98	0	1	
VAFO0024	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/93-07/14/98	4	11	
VAFO0027	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/93-07/23/98	4	5	
VAFO0030	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/18/89-08/04/98	8	4	
VAFO0031	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/73-11/23/87	14	47	
VAFO0032	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-08/03/77	27	20	
VAFO0035	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/93-07/05/97	4	12	
VAFO0038	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/03/94-01/03/94	0	1	
VAFO0039	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/93-07/20/98	4	6	
VAFO0040	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/89-08/14/89	0	1	
VAFO0042	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0044	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0045	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	26	106	T,A
VAFO0046	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/25/26-08/08/77	50	28	
VAFO0054	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/93-07/14/98	5	8	
VAFO0055	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/93-08/07/98	4	4	
VAFO0065	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/24/89-07/23/98	8	6	
VAFO0066	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/91-12/27/91	0	2	
VAFO0067	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/84-08/22/84	0	1	
VAFO0069	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-07/14/98	8	20	
VAFO0071	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/93-07/20/98	4	5	
VAFO0073	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-07/08/98	8	23	
VAFO0074	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	15	38	
VAFO0075	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-06/13/90	0	1	
VAFO0076	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/83	11	2	
VAFO0080	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0081	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/15/93-07/06/98	5	13	
VAFO0083	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/20/93-08/07/98	4	4	
VAFO0085	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/89-07/17/98	8	12	
VAFO0087	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/12/93-07/12/98	5	6	
VAFO0088	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/93-11/22/93	0	7	
VAFO0089	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	1	18	
VAFO0091	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/89-09/28/89	0	1	
VAFO0092	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/94-12/11/96	2	2	
VAFO0093	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/93-07/06/98	4	12	
VAFO0096	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/83	11	2	
VAFO0098	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/89-07/13/98	8	13	
VAFO0100	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-03/17/97	25	30	
VAFO0101	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0102	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0103	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0104	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	0	1	
VAFO0105	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0106	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/70-03/17/97	26	41	
VAFO0110	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/84-08/30/84	0	3	
VAFO0111	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-11/22/93	3	11	
VAFO0115	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	24	30	
VAFO0116	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/22/93	3	10	
VAFO0119	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0120	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0121	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0122	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0123	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	24	22	
VAFO0125	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/19/93-05/19/93	0	1	
VAFO0126	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	1	18	
VAFO0130	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/09/92-02/04/92	0	3	
VAFO0131	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/84-11/08/84	0	1	
VAFO0132	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/18/70-03/18/97	27	48	
VAFO0133	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	17	36	
VAFO0137	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0141	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/30/74-10/30/74	0	1	
VAFO0142	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/91-09/18/91	0	2	
VAFO0144	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	0	1	
VAFO0145	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0150	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0155	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/70-11/07/95	25	25	
VAFO0156	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	0	1	
VAFO0160	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	0	1	
VAFO0163	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/31/94	0	2	
VAFO0169	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/09/92-02/04/92	0	3	
VAFO0171	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0174	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	0	2	
VAFO0176	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	0	1	
VAFO0177	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	0	1	
VAFO0180	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	0	1	
VAFO0183	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	0	1	
VAFO0189	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/94-01/31/94	0	1	
VAFO0190	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/83-10/21/83	0	1	
VAFO0193	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/83	11	2	
VAFO0196	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/84-11/08/84	0	1	
VAFO0197	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/22/93	3	10	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0198	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	0	1	
VAFO0200	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/94-01/31/94	0	1	
VAFO0201	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	0	1	
VAFO0203	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	0	1	
VAFO0204	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	0	2	
VAFO0208	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-06/24/93	0	3	
VAFO0209	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0212	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	0	1	
VAFO0213	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/94-03/01/94	0	1	
VAFO0214	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/94-03/01/94	0	1	
VAFO0215	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/94-03/01/94	0	1	
VAFO0216	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/83-10/21/83	0	1	
VAFO0218	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0220	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	15	39	
VAFO0222	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0232	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/67-10/31/96	28	26	
VAFO0238	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-05/09/95	0	1	
VAFO0239	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	0	1	
VAFO0242	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	0	1	
VAFO0243	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/90-11/29/93	3	11	
VAFO0245	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	1	18	
VAFO0248	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/96-12/30/98	2	3	
VAFO0250	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-06/24/93	0	3	
VAFO0251	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0254	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	0	2	
VAFO0255	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-01/07/98	2	5	
VAFO0256	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/23/95-09/03/96	1	3	
VAFO0257	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0258	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	0	2	
VAFO0259	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/96-09/03/96	0	3	
VAFO0260	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	0	2	
VAFO0265	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/96-01/07/98	1	5	
VAFO0266	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	0	2	
VAFO0267	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-09/03/96	1	4	
VAFO0268	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-01/07/98	1	4	
VAFO0269	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/27/81-03/25/97	16	35	
VAFO0274	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	0	2	
VAFO0275	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-12/30/98	2	4	
VAFO0278	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/71-03/17/97	26	40	
VAFO0279	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/30/96-10/30/96	0	1	
VAFO0280	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/90-11/29/93	3	12	
VAFO0281	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	0	1	
VAFO0282	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-01/07/98	2	6	
VAFO0287	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/98-12/30/98	0	2	
VAFO0290	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	0	1	
VAFO0295	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/30/96-10/30/96	0	1	
VAFO0300	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	0	1	
VAFO0303	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0304	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0306	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	0	1	
VAFO0307	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	0	1	
VAFO0310	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/72	0	1	
VAFO0316	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	0	1	
VAFO0325	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/19/70-10/19/82	12	12	
VAFO0327	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	0	1	
VAFO0329	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/84-10/12/84	0	1	
VAFO0330	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/30/98-12/30/98	0	1	
VAFO0333	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	0	2	
VAFO0334	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0335	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0339	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/83-12/12/84	1	3	
VAFO0340	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0341	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0343	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/07/98-12/30/98	0	2	
VAFO0346	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/11/69-10/11/95	25	26	
VAFO0349	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	0	1	
VAFO0350	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	0	1	
VAFO0360	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	0	1	
VAFO0361	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	0	1	
VAFO0363	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	0	1	
VAFO0364	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0366	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	0	1	
VAFO0369	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	0	1	
VAFO0374	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	0	1	
VAFO0375	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0379	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0386	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0388	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/94-06/14/94	0	1	
VAFO0389	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/94-06/13/94	0	1	
VAFO0391	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/72	0	1	
VAFO0394	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0395	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/94-06/14/94	0	1	
VAFO0398	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0400	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/91-03/21/91	0	1	
VAFO0401	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/91-03/21/91	0	1	
VAFO0403	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/91-03/21/91	0	1	
VAFO0404	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	1	18	
VAFO0406	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	0	1	
VAFO0411	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/84-08/22/84	0	1	
VAFO0412	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/94-06/14/94	0	1	
VAFO0413	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/95-05/26/95	0	1	
VAFO0420	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/69-11/13/95	26	33	
VAFO0422	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0423	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0424	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-06/24/93	0	3	
VAFO0425	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	0	1	
VAFO0426	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/65-04/08/65	0	1	
VAFO0428	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/70-10/12/95	25	27	
VAFO0433	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-10/28/96	46	69	T,S
VAFO0434	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	15	117	T,A
VAFO0436	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-04/14/68	0	2	
VAFO0437	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-07/15/68	0	5	
VAFO0439	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/68-09/20/68	0	2	
VAFO0440	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	0	1	
VAFO0442	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	17	35	
VAFO0443	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/95-05/26/95	0	1	
VAFO0444	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/11/70-03/18/97	27	42	
VAFO0445	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-04/14/68	0	2	
VAFO0447	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	0	1	
VAFO0449	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/95-05/25/95	0	1	
VAFO0450	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-10/12/95	27	35	
VAFO0451	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/68-02/26/68	0	1	
VAFO0452	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/91-03/06/96	4	3	
VAFO0454	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/69-11/06/95	25	27	
VAFO0455	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/68-07/15/68	0	10	
VAFO0458	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/69-10/31/96	27	19	
VAFO0461	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/68-04/14/68	0	1	
VAFO0114	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/11/75-11/05/79	3	2	
VAFO0124	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/29/76-10/31/80	4	2	
VAFO0173	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/15/69-04/15/70	0	3	
VAFO0233	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/05/70-10/30/80	10	6	
VAFO0244	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/09/98-09/09/98	0	1	
VAFO0284	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/09/98-09/09/98	0	1	
VAFO0288	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/29/85-04/29/85	0	1	
VAFO0324	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/29/70-10/26/76	6	3	
VAFO0348	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/05/80-11/05/80	0	1	
VAFO0414	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/15/69-04/15/70	1	5	
VAFO0446	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/27/77-06/27/77	0	1	
VAFO0459	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/27/77-06/27/77	0	1	
VAFO0460	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/27/77-06/27/77	0	1	
VAFO0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	15	36	
VAFO0019	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/11/69-03/03/72	2	27	
VAFO0031	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/73-11/23/87	14	47	
VAFO0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-08/03/77	27	19	
VAFO0044	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	25	105	T,A
VAFO0046	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/25/26-08/08/77	50	26	
VAFO0074	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	15	38	
VAFO0076	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	0	1	
VAFO0080	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0088	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/93-11/22/93	0	6	
VAFO0089	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	1	17	
VAFO0096	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	0	1	
VAFO0100	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-03/17/97	25	30	
VAFO0101	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0102	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0104	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	0	1	
VAFO0105	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0106	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/03/70-03/17/97	26	41	
VAFO0110	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/84-08/30/84	0	3	
VAFO0115	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	20	22	
VAFO0119	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0121	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0122	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0123	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	20	19	
VAFO0126	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	1	17	
VAFO0131	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	0	1	
VAFO0132	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/18/70-03/18/97	27	49	
VAFO0133	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	17	37	
VAFO0137	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0141	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/30/74-10/30/74	0	1	
VAFO0142	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/91-09/18/91	0	2	
VAFO0144	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	0	1	
VAFO0145	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0150	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/74-08/19/74	0	1	
VAFO0155	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/21/70-10/13/92	22	24	
VAFO0156	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	0	1	
VAFO0160	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	0	1	
VAFO0163	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/94-01/31/94	0	1	
VAFO0167	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/31/94	0	2	
VAFO0171	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0174	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	0	1	
VAFO0176	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	0	1	
VAFO0177	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	0	1	
VAFO0180	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	0	1	
VAFO0183	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	0	1	
VAFO0189	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/94-01/31/94	0	1	
VAFO0190	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/21/83-10/21/83	0	1	
VAFO0193	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	0	1	
VAFO0196	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	0	1	
VAFO0198	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	0	1	
VAFO0200	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/94-01/31/94	0	1	
VAFO0201	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	0	1	
VAFO0204	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	0	1	
VAFO0208	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-06/24/93	0	3	
VAFO0209	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0213	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/94-03/01/94	0	1	
VAFO0214	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/94-03/01/94	0	1	
VAFO0215	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/94-03/01/94	0	1	
VAFO0216	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/21/83-10/21/83	0	1	
VAFO0218	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0220	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	15	39	
VAFO0222	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0232	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/12/67-10/06/92	24	22	
VAFO0238	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-05/09/95	0	1	
VAFO0242	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	0	1	
VAFO0245	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	1	18	
VAFO0248	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/14/96-12/30/98	2	3	
VAFO0250	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-06/24/93	0	3	
VAFO0251	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0254	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	0	1	
VAFO0255	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-01/07/98	2	5	
VAFO0256	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/23/95-09/03/96	1	3	
VAFO0257	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0258	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	0	2	
VAFO0259	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/14/96-09/03/96	0	3	
VAFO0260	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	0	2	
VAFO0265	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/14/96-01/07/98	1	5	
VAFO0266	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	0	2	
VAFO0267	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-09/03/96	1	4	
VAFO0268	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-01/07/98	1	4	
VAFO0269	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/27/81-03/25/97	16	35	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0274	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	0	2	
VAFO0275	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-12/30/98	2	4	
VAFO0278	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	15	39	
VAFO0279	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/30/96-10/30/96	0	1	
VAFO0281	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	0	1	
VAFO0282	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-01/07/98	2	6	
VAFO0287	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/04/98-12/30/98	0	2	
VAFO0290	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	0	1	
VAFO0295	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/30/96-10/30/96	0	1	
VAFO0300	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	0	1	
VAFO0303	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0304	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/74-08/19/74	0	1	
VAFO0306	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	0	1	
VAFO0307	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	0	1	
VAFO0310	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	0	1	
VAFO0316	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	0	1	
VAFO0325	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/69-10/19/82	12	13	
VAFO0327	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	0	1	
VAFO0330	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/30/98-12/30/98	0	1	
VAFO0333	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	0	1	
VAFO0334	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0335	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0339	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/21/83-10/21/83	0	1	
VAFO0340	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0343	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/07/98-12/30/98	0	2	
VAFO0346	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/69-10/06/92	22	24	
VAFO0349	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	0	1	
VAFO0350	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	0	1	
VAFO0360	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	0	1	
VAFO0361	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	0	1	
VAFO0363	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	0	1	
VAFO0366	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	0	1	
VAFO0369	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	0	1	
VAFO0374	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	0	1	
VAFO0375	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0386	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0388	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
VAFO0389	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
VAFO0391	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	0	1	
VAFO0394	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0395	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
VAFO0398	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0404	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	1	18	
VAFO0406	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	0	1	
VAFO0412	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
VAFO0413	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/95-05/26/95	0	1	
VAFO0420	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/69-10/08/92	22	26	
VAFO0422	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0424	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-06/24/93	0	3	
VAFO0425	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	0	1	
VAFO0426	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/65-04/08/65	0	1	
VAFO0428	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/18/70-10/07/92	22	25	
VAFO0433	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-10/14/92	42	66	T,S
VAFO0434	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	15	117	T,A
VAFO0436	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-02/04/68	0	1	
VAFO0437	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-02/04/68	0	1	
VAFO0439	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/15/68-09/20/68	0	2	
VAFO0440	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	0	1	
VAFO0442	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	17	35	
VAFO0443	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/95-05/26/95	0	1	
VAFO0444	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/11/70-03/18/97	27	42	
VAFO0445	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-02/04/68	0	1	
VAFO0447	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	0	1	
VAFO0449	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/95-05/25/95	0	1	
VAFO0450	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-10/03/91	23	27	
VAFO0451	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/68-02/26/68	0	1	
VAFO0452	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/91-03/06/96	4	3	
VAFO0454	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/69-10/14/92	22	25	
VAFO0455	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/68-06/12/68	0	4	
VAFO0458	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/22/69-10/03/91	21	16	
VAFO0114	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/11/75-11/05/79	3	2	
VAFO0124	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/29/76-10/31/80	4	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0173	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/15/69-04/15/70	0	3	
VAFO0233	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/05/70-10/30/80	10	6	
VAFO0244	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/09/98-09/09/98	0	1	
VAFO0284	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/09/98-09/09/98	0	1	
VAFO0324	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/29/70-10/26/76	6	3	
VAFO0348	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/05/80-11/05/80	0	1	
VAFO0414	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/15/69-04/15/70	1	5	
VAFO0019	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/69-10/12/71	2	16	
VAFO0032	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/22/61-04/25/68	7	6	
VAFO0114	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/11/75-11/05/79	3	2	
VAFO0115	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/73-10/05/92	18	11	
VAFO0123	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/73-10/05/92	18	11	
VAFO0124	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/29/76-10/31/80	4	2	
VAFO0141	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/30/74-10/30/74	0	1	
VAFO0155	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/73-10/13/92	19	13	
VAFO0232	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/23/71-10/06/92	20	12	
VAFO0233	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/30/78-10/30/78	0	1	
VAFO0244	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/09/98-09/09/98	0	1	
VAFO0284	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/09/98-09/09/98	0	1	
VAFO0324	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/26/76-10/26/76	0	1	
VAFO0325	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/19/82	9	8	
VAFO0346	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/73-10/06/92	19	13	
VAFO0348	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	0	1	
VAFO0389	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/13/94-06/13/94	0	1	
VAFO0414	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/15/69-04/15/69	0	1	
VAFO0420	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/08/92	19	10	
VAFO0426	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/08/65-04/08/65	0	1	
VAFO0428	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/07/92	19	13	
VAFO0433	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-10/14/92	42	30	S
VAFO0450	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/03/91	18	10	
VAFO0454	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/73-10/14/92	19	13	
VAFO0458	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/03/91	18	7	
VAFO0011	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	15	36	
VAFO0032	No	00951	FLUORIDE, TOTAL (MG/L AS F)	05/17/76-08/03/77	1	6	
VAFO0046	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0050	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	02/19/76-05/02/77	1	6	
VAFO0074	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	15	38	
VAFO0100	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/09/83-03/17/97	13	28	
VAFO0105	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0106	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	15	38	
VAFO0110	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/26/84-08/30/84	0	3	
VAFO0121	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0132	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	36	
VAFO0133	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	37	
VAFO0145	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0218	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0220	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	15	39	
VAFO0222	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0257	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0269	No	00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/81-03/25/97	16	35	
VAFO0278	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	15	39	
VAFO0335	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0363	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	0	1	
VAFO0433	No	00951	FLUORIDE, TOTAL (MG/L AS F)	05/17/76-08/19/76	0	4	
VAFO0434	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/16/76-05/02/77	0	4	
VAFO0442	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	35	
VAFO0444	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	35	
VAFO0019	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/69-10/12/71	2	20	
VAFO0032	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/25/26-04/25/68	41	7	
VAFO0114	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/11/75-11/05/79	3	2	
VAFO0115	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/73-10/05/92	18	16	
VAFO0123	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/73-10/05/92	18	17	
VAFO0124	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/29/76-10/31/80	4	2	
VAFO0141	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/30/74-10/30/74	0	1	
VAFO0155	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/73-10/13/92	19	19	
VAFO0173	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/15/69-04/15/70	0	3	
VAFO0190	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/21/83-10/21/83	0	1	
VAFO0216	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/21/83-10/21/83	0	1	
VAFO0232	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/23/71-10/06/92	20	18	
VAFO0233	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/30/78-10/30/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0244	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/09/98-09/09/98	0	1	
VAFO0284	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/09/98-09/09/98	0	1	
VAFO0324	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/26/76-10/26/76	0	1	
VAFO0325	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/19/82	9	8	
VAFO0339	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/21/83-10/21/83	0	1	
VAFO0346	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/01/73-10/06/92	19	20	
VAFO0348	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/05/80	0	1	
VAFO0389	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/13/94-06/13/94	0	1	
VAFO0414	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/15/69-04/15/70	1	5	
VAFO0420	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/08/92	19	17	
VAFO0426	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/65-04/08/65	0	1	
VAFO0428	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/07/92	19	19	
VAFO0433	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-10/14/92	42	40	S
VAFO0437	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/68-07/15/68	0	3	
VAFO0450	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/28/68-10/03/91	23	17	
VAFO0454	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/73-10/14/92	19	20	
VAFO0455	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/28/68-07/15/68	0	9	
VAFO0458	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/03/91	18	11	
VAFO0142	No	00956	SILICA, TOTAL (MG/L AS SI02)	03/07/91-09/18/91	0	2	
VAFO0452	No	00956	SILICA, TOTAL (MG/L AS SI02)	03/26/91-03/06/96	4	3	
VAFO0233	No	00979	COBALT,TOTAL RECOVERABLE IN WATER AS CO UG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	00979	COBALT,TOTAL RECOVERABLE IN WATER AS CO UG/L	09/29/70-09/28/71	0	2	
VAFO0233	No	00980	IRON,TOTAL RECOVERABLE IN WATER AS FE UG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	00980	IRON,TOTAL RECOVERABLE IN WATER AS FE UG/L	09/29/70-09/28/71	0	2	
VAFO0028	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/19/78-12/19/78	0	1	
VAFO0045	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	4	54	A
VAFO0097	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/19/78-12/19/78	0	1	
VAFO0115	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/16/81-10/05/92	10	10	
VAFO0123	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/16/81-10/05/92	10	11	
VAFO0141	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/30/74-10/30/74	0	1	
VAFO0149	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/19/78-12/19/78	0	1	
VAFO0155	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/23/81-10/13/92	10	11	
VAFO0190	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/21/83-10/21/83	0	1	
VAFO0216	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/21/83-10/21/83	0	1	
VAFO0232	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/73-11/02/82	9	3	
VAFO0244	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/09/98-09/09/98	0	1	
VAFO0284	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/09/98-09/09/98	0	1	
VAFO0325	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/19/82	9	3	
VAFO0329	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/12/84-10/12/84	0	1	
VAFO0339	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/21/83-10/21/83	0	1	
VAFO0346	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/73-10/19/82	9	3	
VAFO0420	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/81-10/19/82	0	2	
VAFO0428	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/18/82	9	3	
VAFO0433	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/04/73-11/02/82	9	3	
VAFO0450	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/18/82	9	3	
VAFO0454	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/04/73-11/02/82	9	3	
VAFO0458	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/02/73	0	1	
VAFO0005	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/22/81-04/22/81	0	1	
VAFO0031	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/26/80-08/26/87	7	8	
VAFO0045	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	18	60	T,A
VAFO0115	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/12/73-10/12/73	0	1	
VAFO0123	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/12/73-11/05/79	6	2	
VAFO0142	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/07/91-09/18/91	0	2	
VAFO0155	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/04/73-11/14/79	6	2	
VAFO0159	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/23/81-04/23/81	0	1	
VAFO0160	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/12/94-01/12/94	0	1	
VAFO0163	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/94-01/31/94	0	1	
VAFO0167	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/12/94-01/31/94	0	2	
VAFO0189	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/94-01/31/94	0	1	
VAFO0200	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/94-01/31/94	0	1	
VAFO0201	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/12/94-01/12/94	0	1	
VAFO0207	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/12/81-03/12/81	0	1	
VAFO0232	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/29/79-10/29/79	0	1	
VAFO0325	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/09/79-11/09/79	0	1	
VAFO0346	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/29/79-10/29/79	0	1	
VAFO0413	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/26/95-05/26/95	0	1	
VAFO0428	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/05/79-11/05/79	0	1	
VAFO0433	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/09/79-11/09/79	0	1	
VAFO0434	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/80-08/13/87	6	8	
VAFO0443	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/26/95-05/26/95	0	1	
VAFO0449	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/25/95-05/25/95	0	1	
VAFO0452	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/26/91-03/06/96	4	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0454	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/09/79-11/09/79	0	1	
VAFO0458	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/01/79-11/01/79	0	1	
VAFO0001	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0009	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	02/01/95-02/01/95	0	1	
VAFO0019	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-11/18/93	14	2	
VAFO0123	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0232	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0421	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0433	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0005	Yes	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	04/23/81-04/23/81	0	1	
VAFO0045	Yes	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/01/87-10/01/87	0	1	
VAFO0094	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/11/86-06/11/86	0	4	
VAFO0109	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/01/87-10/01/87	0	1	
VAFO0159	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	04/23/81-04/23/81	0	1	
VAFO0115	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/26/88-10/05/92	3	5	
VAFO0123	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/26/88-10/05/92	3	5	
VAFO0141	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/30/74-10/30/74	0	1	
VAFO0155	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/19/88-10/13/92	3	5	
VAFO0244	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/09/98-09/09/98	0	1	
VAFO0284	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/09/98-09/09/98	0	1	
VAFO0329	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/84-10/12/84	0	1	
VAFO0389	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/13/94-06/13/94	0	1	
VAFO0142	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/07/91-09/18/91	0	2	
VAFO0242	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	0	1	
VAFO0255	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	0	1	
VAFO0265	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-01/07/98	1	2	
VAFO0268	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	0	2	
VAFO0281	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	0	1	
VAFO0282	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	0	1	
VAFO0290	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	0	1	
VAFO0306	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	0	1	
VAFO0307	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	0	1	
VAFO0308	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/04/72-10/04/72	0	1	
VAFO0315	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/04/72-10/04/72	0	1	
VAFO0343	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	0	1	
VAFO0452	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/26/91-03/06/96	4	3	
VAFO0115	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/26/88-10/05/92	3	5	
VAFO0123	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/26/88-10/05/92	3	5	
VAFO0155	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/19/88-10/13/92	3	5	
VAFO0244	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/09/98-09/09/98	0	1	
VAFO0284	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/09/98-09/09/98	0	1	
VAFO0389	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	06/13/94-06/13/94	0	1	
VAFO0005	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/22/81-04/22/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0159	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/23/81-04/23/81	0	1	
VAFO0207	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/12/81-03/12/81	0	1	
VAFO0308	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/04/72-10/04/72	0	1	
VAFO0315	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/04/72-10/04/72	0	1	
VAFO0001	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0019	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0028	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0068	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0135	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0158	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0314	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0421	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0115	No	01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/18/84	0	1	
VAFO0141	No	01020	BORON, DISSOLVED (UG/L AS B)	10/30/74-10/30/74	0	1	
VAFO0185	No	01020	BORON, DISSOLVED (UG/L AS B)	10/10/84-10/10/84	0	1	
VAFO0244	No	01020	BORON, DISSOLVED (UG/L AS B)	09/09/98-09/09/98	0	1	
VAFO0252	No	01020	BORON, DISSOLVED (UG/L AS B)	10/12/84-10/12/84	0	1	
VAFO0284	No	01020	BORON, DISSOLVED (UG/L AS B)	09/09/98-09/09/98	0	1	
VAFO0329	No	01020	BORON, DISSOLVED (UG/L AS B)	10/12/84-10/12/84	0	1	
VAFO0339	No	01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/02/87	2	6	
VAFO0357	No	01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	0	1	
VAFO0370	No	01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	0	1	
VAFO0376	No	01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	0	1	
VAFO0378	No	01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	0	1	
VAFO0381	No	01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	0	1	
VAFO0385	No	01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	0	1	
VAFO0389	No	01020	BORON, DISSOLVED (UG/L AS B)	06/13/94-06/13/94	0	1	
VAFO0392	No	01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	0	1	
VAFO0396	No	01020	BORON, DISSOLVED (UG/L AS B)	03/13/85-03/13/85	0	1	
VAFO0411	No	01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	0	1	
VAFO0418	No	01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	0	1	
VAFO0420	No	01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/18/84	0	1	
VAFO0450	No	01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/18/84	0	1	
VAFO0350	No	01022	BORON, TOTAL (UG/L AS B)	01/12/94-01/12/94	0	1	
VAFO0007	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/27/79-06/25/80	0	13	
VAFO0019	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/21/80-06/25/80	0	12	
VAFO0028	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/19/78-12/19/78	0	1	
VAFO0045	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/21/80-06/26/80	0	6	
VAFO0089	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	0	10	
VAFO0097	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/19/78-12/19/78	0	1	
VAFO0114	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/11/75-11/11/75	0	1	
VAFO0115	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/73-10/05/92	18	16	
VAFO0123	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/73-10/05/92	18	16	
VAFO0124	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/29/76-10/31/80	4	2	
VAFO0126	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	0	9	
VAFO0141	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/74-10/30/74	0	1	
VAFO0146	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0149	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/19/78-12/19/78	0	1	
VAFO0151	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0152	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0155	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/25/74-10/13/92	17	16	
VAFO0160	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0161	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0163	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0165	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0167	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0175	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/21/80-06/25/80	0	11	
VAFO0190	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/21/83-10/21/83	0	1	
VAFO0205	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0216	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/21/83-10/21/83	0	1	
VAFO0232	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/73-11/02/82	9	8	
VAFO0233	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/78-10/30/78	0	1	
VAFO0244	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/09/98-09/09/98	0	1	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0245	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	0	9	
VAFO0284	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/09/98-09/09/98	0	1	
VAFO0324	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/26/76-10/26/76	0	1	
VAFO0325	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/19/82	9	7	
VAFO0329	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/84-10/12/84	0	1	
VAFO0339	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/21/83-10/21/83	0	1	
VAFO0346	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/73-10/19/82	9	9	
VAFO0348	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/05/80-11/05/80	0	1	
VAFO0389	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/13/94-06/13/94	0	1	
VAFO0404	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	0	9	
VAFO0420	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/19/82	9	7	
VAFO0428	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/18/82	9	9	
VAFO0433	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/04/73-11/02/82	9	5	
VAFO0450	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/18/82	9	8	
VAFO0454	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/04/73-11/02/82	9	9	
VAFO0458	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/21/76	3	4	
VAFO0007	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/27/79-06/25/80	0	13	
VAFO0019	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/21/80-06/25/80	0	12	
VAFO0050	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/21/80-06/26/80	0	6	
VAFO0175	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/21/80-06/25/80	0	11	
VAFO0005	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	09/06/79-06/25/80	0	14	
VAFO0011	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	15	36	
VAFO0019	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/06/79-06/25/80	0	13	
VAFO0031	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/07/78-08/26/87	9	9	
VAFO0044	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	23	62	T,A
VAFO0046	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/03/73-06/26/80	6	9	
VAFO0074	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	15	37	
VAFO0088	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/25/93-11/22/93	0	7	
VAFO0089	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	1	18	
VAFO0100	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	25	30	
VAFO0102	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0104	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	0	1	
VAFO0105	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0106	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	25	40	
VAFO0110	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/26/84-08/30/84	0	3	
VAFO0119	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0121	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0123	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/05/79-11/05/79	0	1	
VAFO0126	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	1	18	
VAFO0132	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	25	38	
VAFO0133	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/81-03/18/97	15	36	
VAFO0137	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0142	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/91-09/18/91	0	2	
VAFO0144	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	0	1	
VAFO0145	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0146	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0151	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0152	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0156	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	0	1	
VAFO0159	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/81-04/23/81	0	1	
VAFO0160	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-01/12/94	3	2	
VAFO0161	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0163	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/31/94	2	2	
VAFO0165	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/30/92	0	1	
VAFO0167	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-01/31/94	3	3	
VAFO0171	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0175	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/06/79-06/25/80	0	12	
VAFO0176	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	0	1	
VAFO0189	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/94-01/31/94	0	1	
VAFO0200	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/94-01/31/94	0	1	
VAFO0201	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/12/94-01/12/94	0	1	
VAFO0205	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-09/25/90	0	1	
VAFO0207	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/12/81-03/12/81	0	1	
VAFO0208	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-06/24/93	0	3	
VAFO0209	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0213	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/94-03/01/94	0	1	
VAFO0214	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/94-03/01/94	0	1	
VAFO0215	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/94-03/01/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0218	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0220	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	15	39	
VAFO0222	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0232	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/79-10/29/79	0	1	
VAFO0238	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-05/09/95	0	1	
VAFO0242	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	0	1	
VAFO0245	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	1	18	
VAFO0248	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/96-12/30/98	2	3	
VAFO0250	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-06/24/93	0	3	
VAFO0251	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0255	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-01/07/98	2	5	
VAFO0256	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/23/95-09/03/96	1	3	
VAFO0257	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0258	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	0	2	
VAFO0259	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/96-09/03/96	0	3	
VAFO0260	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	0	2	
VAFO0265	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/96-01/07/98	1	5	
VAFO0266	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	0	2	
VAFO0267	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-09/03/96	1	4	
VAFO0268	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-01/07/98	1	4	
VAFO0269	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/81-03/25/97	16	35	
VAFO0274	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	0	2	
VAFO0275	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-12/30/98	2	4	
VAFO0278	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	15	39	
VAFO0279	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/30/96-10/30/96	0	1	
VAFO0281	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	0	1	
VAFO0282	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-01/07/98	2	6	
VAFO0287	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/04/98-12/30/98	0	2	
VAFO0290	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	0	1	
VAFO0295	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/30/96-10/30/96	0	1	
VAFO0300	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	0	1	
VAFO0306	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	0	1	
VAFO0307	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	0	1	
VAFO0308	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/04/72-10/04/72	0	1	
VAFO0315	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/04/72-10/04/72	0	1	
VAFO0316	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	0	1	
VAFO0325	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/79-11/09/79	0	1	
VAFO0327	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	0	1	
VAFO0330	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/98-12/30/98	0	1	
VAFO0334	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0335	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0343	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/07/98-12/30/98	0	2	
VAFO0346	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/79-10/29/79	0	1	
VAFO0349	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	0	1	
VAFO0350	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/12/94-01/12/94	0	1	
VAFO0360	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	0	1	
VAFO0361	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/12/94-01/12/94	0	1	
VAFO0363	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	0	1	
VAFO0366	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	0	1	
VAFO0369	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	0	1	
VAFO0374	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	0	1	
VAFO0388	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/14/94-06/14/94	0	1	
VAFO0395	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/14/94-06/14/94	0	1	
VAFO0404	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	1	18	
VAFO0406	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	0	1	
VAFO0412	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/14/94-06/14/94	0	1	
VAFO0413	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/26/95-05/26/95	0	1	
VAFO0424	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-06/24/93	0	3	
VAFO0428	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/05/79-11/05/79	0	1	
VAFO0433	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/79-11/09/79	0	1	
VAFO0434	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-08/13/87	12	11	
VAFO0440	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	0	1	
VAFO0442	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/29/81-03/18/97	15	33	
VAFO0443	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/26/95-05/26/95	0	1	
VAFO0444	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	25	36	
VAFO0447	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	0	1	
VAFO0449	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/25/95-05/25/95	0	1	
VAFO0452	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/26/91-03/06/96	4	3	
VAFO0454	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/79-11/09/79	0	1	
VAFO0458	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/01/79-11/01/79	0	1	
VAFO0001	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0019	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/18/93	14	2	
VAFO0123	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/14/79	0	2	
VAFO0159	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0229	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0232	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0421	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0433	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0001	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0019	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/18/93	14	2	
VAFO0123	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/14/79	0	2	
VAFO0159	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0229	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0232	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0421	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0433	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0007	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/27/79-06/25/80	0	12	
VAFO0019	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/21/80-06/25/80	0	12	
VAFO0028	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/21/80-06/26/80	0	6	
VAFO0089	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	0	10	
VAFO0097	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/19/78-12/19/78	0	1	
VAFO0114	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/11/75-11/11/75	0	1	
VAFO0115	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/73-10/05/92	18	16	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0123	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/73-10/05/92	18	16	
VAFO0124	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/29/76-10/31/80	4	2	
VAFO0126	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	0	9	
VAFO0141	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/74-10/30/74	0	1	
VAFO0146	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0149	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/19/78-12/19/78	0	1	
VAFO0151	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0152	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0155	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/25/74-10/13/92	17	16	
VAFO0160	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0161	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0163	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0165	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0167	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0175	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/21/80-06/25/80	0	11	
VAFO0190	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/21/83-10/21/83	0	1	
VAFO0205	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0216	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/21/83-10/21/83	0	1	
VAFO0232	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/73-11/02/82	9	8	
VAFO0233	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/78-10/30/78	0	1	
VAFO0244	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/09/98-09/09/98	0	1	
VAFO0245	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	0	9	
VAFO0284	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/09/98-09/09/98	0	1	
VAFO0324	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/26/76-10/26/76	0	1	
VAFO0325	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/19/82	9	7	
VAFO0329	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/84-10/12/84	0	1	
VAFO0339	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/21/83-10/21/83	0	1	
VAFO0346	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/73-10/19/82	9	9	
VAFO0348	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/05/80-11/05/80	0	1	
VAFO0389	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/13/94-06/13/94	0	1	
VAFO0404	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	0	9	
VAFO0420	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/19/82	9	7	
VAFO0428	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/18/82	9	9	
VAFO0433	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-11/02/82	9	5	
VAFO0450	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/18/82	9	8	
VAFO0454	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-11/02/82	9	9	
VAFO0458	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/21/76	3	4	
VAFO0007	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/27/79-06/25/80	0	12	
VAFO0019	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/21/80-06/25/80	0	12	
VAFO0050	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/21/80-06/26/80	0	6	
VAFO0175	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/21/80-06/25/80	0	11	
VAFO0045	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	15	56	T,A
VAFO0048	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	0	8	
VAFO0088	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/25/93-11/22/93	0	7	
VAFO0089	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	0	8	
VAFO0126	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	0	8	
VAFO0146	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0151	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0152	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0160	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-01/12/94	3	2	
VAFO0161	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0163	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/31/94	2	2	
VAFO0165	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0167	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-01/31/94	3	3	
VAFO0189	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/31/94-01/31/94	0	1	
VAFO0200	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/31/94-01/31/94	0	1	
VAFO0201	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/12/94-01/12/94	0	1	
VAFO0205	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0208	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-06/24/93	0	3	
VAFO0245	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	0	8	
VAFO0250	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-06/24/93	0	3	
VAFO0404	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	0	8	
VAFO0413	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/26/95-05/26/95	0	1	
VAFO0424	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-06/24/93	0	3	
VAFO0434	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/11/83-09/27/84	1	2	
VAFO0443	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/26/95-05/26/95	0	1	
VAFO0449	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/25/95-05/25/95	0	1	
VAFO0005	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/06/79-06/25/80	0	14	
VAFO0019	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/06/79-06/25/80	0	13	
VAFO0031	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/07/78-08/26/87	9	9	
VAFO0032	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/08/73-08/08/73	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0044	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	23	63	T,A
VAFO0046	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/03/73-06/26/80	6	9	
VAFO0088	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/25/93-11/22/93	0	7	
VAFO0089	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	1	18	
VAFO0102	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0104	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	0	1	
VAFO0105	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0114	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/05/79-11/05/79	0	1	
VAFO0115	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/09/71-11/24/72	1	2	
VAFO0119	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0121	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0123	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/09/71-11/05/79	7	3	
VAFO0126	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	1	18	
VAFO0137	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0142	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/91-09/18/91	0	2	
VAFO0144	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	0	1	
VAFO0145	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0146	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0151	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0152	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0155	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/70-11/14/79	9	5	
VAFO0156	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	0	1	
VAFO0159	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/81-04/23/81	0	1	
VAFO0160	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-01/12/94	3	2	
VAFO0161	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0163	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/31/94	2	2	
VAFO0165	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/30/92	0	1	
VAFO0167	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-01/31/94	3	3	
VAFO0171	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0175	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/06/79-06/25/80	0	12	
VAFO0176	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	0	1	
VAFO0189	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/94-01/31/94	0	1	
VAFO0200	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/94-01/31/94	0	1	
VAFO0201	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/12/94-01/12/94	0	1	
VAFO0205	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-09/25/90	0	1	
VAFO0207	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/12/81-03/12/81	0	1	
VAFO0208	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-06/24/93	0	3	
VAFO0209	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0213	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/94-03/01/94	0	1	
VAFO0214	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/94-03/01/94	0	1	
VAFO0215	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/94-03/01/94	0	1	
VAFO0218	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0222	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0232	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/03/72-10/29/79	7	2	
VAFO0233	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/05/70-09/27/71	1	4	
VAFO0238	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-05/09/95	0	1	
VAFO0242	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	0	1	
VAFO0245	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	1	18	
VAFO0248	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/96-12/30/98	2	3	
VAFO0250	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-06/24/93	0	3	
VAFO0251	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0255	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-01/07/98	2	5	
VAFO0256	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/23/95-09/03/96	1	3	
VAFO0257	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0258	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	0	2	
VAFO0259	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/96-09/03/96	0	3	
VAFO0260	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	0	2	
VAFO0265	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/96-01/07/98	1	5	
VAFO0266	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	0	2	
VAFO0267	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-09/03/96	1	4	
VAFO0268	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-01/07/98	1	4	
VAFO0274	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	0	2	
VAFO0275	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-12/30/98	2	4	
VAFO0279	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/30/96-10/30/96	0	1	
VAFO0281	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	0	1	
VAFO0282	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-01/07/98	2	6	
VAFO0287	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/04/98-12/30/98	0	2	
VAFO0290	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	0	1	
VAFO0295	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/30/96-10/30/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0300	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	0	1	
VAFO0306	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	0	1	
VAFO0307	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	0	1	
VAFO0308	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/04/72-10/04/72	0	1	
VAFO0315	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/04/72-10/04/72	0	1	
VAFO0316	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	0	1	
VAFO0324	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/29/70-09/28/71	0	2	
VAFO0325	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/70-11/09/79	9	4	
VAFO0327	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	0	1	
VAFO0330	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/98-12/30/98	0	1	
VAFO0334	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0335	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0343	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/07/98-12/30/98	0	2	
VAFO0346	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/71-10/29/79	8	4	
VAFO0349	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	0	1	
VAFO0350	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/12/94-01/12/94	0	1	
VAFO0360	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	0	1	
VAFO0361	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/12/94-01/12/94	0	1	
VAFO0363	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	0	1	
VAFO0366	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	0	1	
VAFO0369	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	0	1	
VAFO0374	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	0	1	
VAFO0388	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/14/94-06/14/94	0	1	
VAFO0395	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/14/94-06/14/94	0	1	
VAFO0404	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	1	18	
VAFO0406	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	0	1	
VAFO0412	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/14/94-06/14/94	0	1	
VAFO0413	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/26/95-05/26/95	0	1	
VAFO0420	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/70-10/09/72	2	3	
VAFO0424	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-06/24/93	0	3	
VAFO0428	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/28/70-11/05/79	9	5	
VAFO0433	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/24/70-11/09/79	9	5	
VAFO0434	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-08/13/87	12	11	
VAFO0440	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	0	1	
VAFO0443	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/26/95-05/26/95	0	1	
VAFO0447	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	0	1	
VAFO0449	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/25/95-05/25/95	0	1	
VAFO0450	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/05/70-10/03/72	2	3	
VAFO0452	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/26/91-03/06/96	4	3	
VAFO0454	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/24/70-11/09/79	9	5	
VAFO0458	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/04/70-11/01/79	9	4	
VAFO0114	No	01035	COBALT, DISSOLVED (UG/L AS CO)	11/11/75-11/11/75	0	1	
VAFO0115	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/12/73-10/05/92	18	13	
VAFO0123	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/12/73-10/05/92	18	12	
VAFO0124	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/29/76-10/31/80	4	2	
VAFO0141	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/30/74-10/30/74	0	1	
VAFO0155	No	01035	COBALT, DISSOLVED (UG/L AS CO)	11/10/80-10/13/92	11	8	
VAFO0232	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-11/02/82	9	7	
VAFO0233	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/30/78-10/30/80	2	2	
VAFO0244	No	01035	COBALT, DISSOLVED (UG/L AS CO)	09/09/98-09/09/98	0	1	
VAFO0284	No	01035	COBALT, DISSOLVED (UG/L AS CO)	09/09/98-09/09/98	0	1	
VAFO0324	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/26/76-10/26/76	0	1	
VAFO0325	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/19/82	9	7	
VAFO0346	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-10/19/82	9	9	
VAFO0348	No	01035	COBALT, DISSOLVED (UG/L AS CO)	11/05/80-11/05/80	0	1	
VAFO0389	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/13/94-06/13/94	0	1	
VAFO0420	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/19/82	9	7	
VAFO0428	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/18/82	9	9	
VAFO0433	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/04/73-11/02/82	9	5	
VAFO0450	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/18/82	9	8	
VAFO0454	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/04/73-11/02/82	9	9	
VAFO0458	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/21/76	3	4	
VAFO0115	No	01037	COBALT, TOTAL (UG/L AS CO)	11/09/71-11/24/72	1	2	
VAFO0123	No	01037	COBALT, TOTAL (UG/L AS CO)	11/09/71-10/24/72	0	2	
VAFO0155	No	01037	COBALT, TOTAL (UG/L AS CO)	10/05/70-10/24/72	2	4	
VAFO0232	No	01037	COBALT, TOTAL (UG/L AS CO)	10/03/72-10/03/72	0	1	
VAFO0308	No	01037	COBALT, TOTAL (UG/L AS CO)	10/04/72-10/04/72	0	1	
VAFO0315	No	01037	COBALT, TOTAL (UG/L AS CO)	10/04/72-10/04/72	0	1	
VAFO0325	No	01037	COBALT, TOTAL (UG/L AS CO)	05/06/70-10/09/72	2	3	
VAFO0346	No	01037	COBALT, TOTAL (UG/L AS CO)	05/03/71-10/03/72	1	3	
VAFO0420	No	01037	COBALT, TOTAL (UG/L AS CO)	05/06/70-10/09/72	2	3	
VAFO0428	No	01037	COBALT, TOTAL (UG/L AS CO)	09/28/70-10/03/72	2	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0433	No	01037	COBALT, TOTAL (UG/L AS CO)	02/24/70-10/30/72	2	4	
VAFO0450	No	01037	COBALT, TOTAL (UG/L AS CO)	05/05/70-10/03/72	2	3	
VAFO0454	No	01037	COBALT, TOTAL (UG/L AS CO)	02/24/70-10/30/72	2	4	
VAFO0458	No	01037	COBALT, TOTAL (UG/L AS CO)	05/04/70-10/03/72	2	3	
VAFO0325	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	10/20/77-10/20/77	0	1	
VAFO0007	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	12/27/79-06/25/80	0	21	
VAFO0019	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/21/80-06/25/80	0	12	
VAFO0028	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/19/78-12/19/78	0	1	
VAFO0045	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/21/80-06/26/80	0	6	
VAFO0089	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	0	10	
VAFO0097	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/19/78-12/19/78	0	1	
VAFO0114	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/11/75-11/11/75	0	1	
VAFO0115	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/73-10/05/92	18	16	
VAFO0123	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/73-10/05/92	18	16	
VAFO0124	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/29/76-10/31/80	4	2	
VAFO0126	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	0	10	
VAFO0141	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/30/74-10/30/74	0	1	
VAFO0146	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0149	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/19/78-12/19/78	0	1	
VAFO0151	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0152	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0155	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/25/74-10/13/92	17	16	
VAFO0160	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0161	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0163	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0165	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0167	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0175	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/21/80-06/25/80	0	11	
VAFO0190	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/21/83-10/21/83	0	1	
VAFO0205	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0216	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/21/83-10/21/83	0	1	
VAFO0232	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/73-11/02/82	9	8	
VAFO0233	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/30/78-10/30/78	0	1	
VAFO0244	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/09/98-09/09/98	0	1	
VAFO0245	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	0	10	
VAFO0284	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/09/98-09/09/98	0	1	
VAFO0324	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/26/76-10/26/76	0	1	
VAFO0325	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/19/82	9	7	
VAFO0329	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/84-10/12/84	0	1	
VAFO0339	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/21/83-10/21/83	0	1	
VAFO0346	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/73-10/19/82	9	9	
VAFO0348	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/05/80-11/05/80	0	1	
VAFO0389	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/13/94-06/13/94	0	1	
VAFO0404	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	0	10	
VAFO0420	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/19/82	9	7	
VAFO0428	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/18/82	9	9	
VAFO0433	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/04/73-11/02/82	9	5	
VAFO0450	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/18/82	9	8	
VAFO0454	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/04/73-11/02/82	9	9	
VAFO0458	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/21/76	3	4	
VAFO0007	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	12/27/79-06/25/80	0	21	
VAFO0019	No	01041	COPPER, SUSPENDED (UG/L AS CU)	03/21/80-06/25/80	0	12	
VAFO0050	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	03/21/80-06/26/80	0	6	
VAFO0175	No	01041	COPPER, SUSPENDED (UG/L AS CU)	03/21/80-06/25/80	0	11	
VAFO0005	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/06/79-06/25/80	0	22	
VAFO0019	No	01042	COPPER, TOTAL (UG/L AS CU)	09/06/79-06/25/80	0	13	
VAFO0031	No	01042	COPPER, TOTAL (UG/L AS CU)	08/07/78-08/26/87	9	9	
VAFO0032	No	01042	COPPER, TOTAL (UG/L AS CU)	08/08/73-08/08/73	0	1	
VAFO0043	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	23	63	T,A
VAFO0046	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/03/73-06/26/80	6	9	
VAFO0051	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	0	1	
VAFO0076	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/03/83-09/29/86	2	2	
VAFO0077	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	0	1	
VAFO0088	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/25/93-11/22/93	0	7	
VAFO0089	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	1	18	
VAFO0096	No	01042	COPPER, TOTAL (UG/L AS CU)	10/03/83-09/29/86	2	2	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0102	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0104	No	01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	0	1	
VAFO0105	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0107	No	01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	0	1	
VAFO0112	No	01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	0	1	
VAFO0115	No	01042	COPPER, TOTAL (UG/L AS CU)	11/09/71-11/24/72	1	2	
VAFO0119	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0121	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0123	No	01042	COPPER, TOTAL (UG/L AS CU)	11/09/71-11/05/79	7	3	
VAFO0126	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	1	18	
VAFO0137	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0142	No	01042	COPPER, TOTAL (UG/L AS CU)	03/07/91-09/18/91	0	2	
VAFO0144	No	01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	0	1	
VAFO0145	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0146	No	01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0151	No	01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0152	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0155	No	01042	COPPER, TOTAL (UG/L AS CU)	10/05/70-10/24/72	2	4	
VAFO0156	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	0	1	
VAFO0159	No	01042	COPPER, TOTAL (UG/L AS CU)	04/23/81-04/23/81	0	1	
VAFO0160	No	01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-01/12/94	3	2	
VAFO0161	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0163	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/31/94	2	2	
VAFO0165	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/30/92	0	1	
VAFO0167	No	01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-01/31/94	3	3	
VAFO0171	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0175	No	01042	COPPER, TOTAL (UG/L AS CU)	09/06/79-06/25/80	0	12	
VAFO0176	No	01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	0	1	
VAFO0189	No	01042	COPPER, TOTAL (UG/L AS CU)	01/31/94-01/31/94	0	1	
VAFO0193	No	01042	COPPER, TOTAL (UG/L AS CU)	10/03/72-09/29/86	13	4	
VAFO0200	No	01042	COPPER, TOTAL (UG/L AS CU)	01/31/94-01/31/94	0	1	
VAFO0205	No	01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-09/25/90	0	1	
VAFO0207	No	01042	COPPER, TOTAL (UG/L AS CU)	03/12/81-03/12/81	0	1	
VAFO0208	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-06/24/93	0	3	
VAFO0209	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0213	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/94-03/01/94	0	1	
VAFO0214	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/94-03/01/94	0	1	
VAFO0215	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/94-03/01/94	0	1	
VAFO0218	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0222	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0232	No	01042	COPPER, TOTAL (UG/L AS CU)	10/03/72-10/29/79	7	2	
VAFO0238	No	01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-05/09/95	0	1	
VAFO0242	No	01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	0	1	
VAFO0245	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	1	18	
VAFO0248	No	01042	COPPER, TOTAL (UG/L AS CU)	05/14/96-12/30/98	2	3	
VAFO0250	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-06/24/93	0	3	
VAFO0251	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0255	No	01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-01/07/98	2	5	
VAFO0256	No	01042	COPPER, TOTAL (UG/L AS CU)	08/23/95-09/03/96	1	3	
VAFO0257	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0258	No	01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	0	2	
VAFO0259	No	01042	COPPER, TOTAL (UG/L AS CU)	05/14/96-09/03/96	0	3	
VAFO0260	No	01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	0	2	
VAFO0265	No	01042	COPPER, TOTAL (UG/L AS CU)	05/14/96-01/07/98	1	5	
VAFO0266	No	01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	0	2	
VAFO0267	No	01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-09/03/96	1	4	
VAFO0268	No	01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-01/07/98	1	4	
VAFO0274	No	01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	0	2	
VAFO0275	No	01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-12/30/98	2	4	
VAFO0279	No	01042	COPPER, TOTAL (UG/L AS CU)	10/30/96-10/30/96	0	1	
VAFO0281	No	01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	0	1	
VAFO0282	No	01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-01/07/98	2	6	
VAFO0287	No	01042	COPPER, TOTAL (UG/L AS CU)	11/04/98-12/30/98	0	2	
VAFO0290	No	01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	0	1	
VAFO0295	No	01042	COPPER, TOTAL (UG/L AS CU)	10/30/96-10/30/96	0	1	
VAFO0300	No	01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	0	1	
VAFO0306	No	01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	0	1	
VAFO0307	No	01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	0	1	
VAFO0308	No	01042	COPPER, TOTAL (UG/L AS CU)	10/04/72-09/29/86	13	3	
VAFO0315	No	01042	COPPER, TOTAL (UG/L AS CU)	10/04/72-09/29/86	13	3	
VAFO0316	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	0	1	
VAFO0325	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/70-11/09/79	9	4	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0327	No	01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	0	1	
VAFO0330	No	01042	COPPER, TOTAL (UG/L AS CU)	12/30/98-12/30/98	0	1	
VAFO0334	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0335	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0342	No	01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	0	1	
VAFO0343	No	01042	COPPER, TOTAL (UG/L AS CU)	01/07/98-12/30/98	0	2	
VAFO0346	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/71-10/29/79	8	4	
VAFO0349	No	01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	0	1	
VAFO0350	No	01042	COPPER, TOTAL (UG/L AS CU)	01/12/94-01/12/94	0	1	
VAFO0360	No	01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	0	1	
VAFO0361	No	01042	COPPER, TOTAL (UG/L AS CU)	01/12/94-01/12/94	0	1	
VAFO0363	No	01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	0	1	
VAFO0366	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	0	1	
VAFO0369	No	01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	0	1	
VAFO0374	No	01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	0	1	
VAFO0388	No	01042	COPPER, TOTAL (UG/L AS CU)	06/14/94-06/14/94	0	1	
VAFO0395	No	01042	COPPER, TOTAL (UG/L AS CU)	06/14/94-06/14/94	0	1	
VAFO0404	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	1	18	
VAFO0406	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	0	1	
VAFO0412	No	01042	COPPER, TOTAL (UG/L AS CU)	06/14/94-06/14/94	0	1	
VAFO0413	No	01042	COPPER, TOTAL (UG/L AS CU)	05/26/95-05/26/95	0	1	
VAFO0420	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/70-10/09/72	2	3	
VAFO0424	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-06/24/93	0	3	
VAFO0428	No	01042	COPPER, TOTAL (UG/L AS CU)	09/28/70-11/05/79	9	5	
VAFO0433	No	01042	COPPER, TOTAL (UG/L AS CU)	10/05/70-11/09/79	9	4	
VAFO0434	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/75-08/13/87	12	11	
VAFO0440	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	0	1	
VAFO0443	No	01042	COPPER, TOTAL (UG/L AS CU)	05/26/95-05/26/95	0	1	
VAFO0447	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	0	1	
VAFO0449	No	01042	COPPER, TOTAL (UG/L AS CU)	05/25/95-05/25/95	0	1	
VAFO0450	No	01042	COPPER, TOTAL (UG/L AS CU)	05/05/70-10/03/72	2	3	
VAFO0452	No	01042	COPPER, TOTAL (UG/L AS CU)	03/26/91-03/06/96	4	3	
VAFO0454	No	01042	COPPER, TOTAL (UG/L AS CU)	05/10/71-11/09/79	8	4	
VAFO0458	No	01042	COPPER, TOTAL (UG/L AS CU)	05/04/70-11/01/79	9	4	
VAFO0001	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0019	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-11/18/93	14	2	
VAFO0123	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-11/14/79	0	2	
VAFO0159	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0229	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0232	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0433	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0011	No	01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	15	36	
VAFO0031	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/73-11/23/87	14	47	
VAFO0032	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/50-08/03/77	27	17	
VAFO0042	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	25	105	T,A

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0046	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/12/69-08/08/77	7	20	
VAFO0074	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	15	38	
VAFO0076	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/29/86	13	4	
VAFO0080	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0088	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/25/93-11/22/93	0	7	
VAFO0089	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	1	18	
VAFO0096	No	01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/29/86	13	4	
VAFO0100	No	01045	IRON, TOTAL (UG/L AS FE)	11/09/71-03/17/97	25	30	
VAFO0101	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0102	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0103	No	01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	0	1	
VAFO0104	No	01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	0	1	
VAFO0105	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0106	No	01045	IRON, TOTAL (UG/L AS FE)	09/03/70-03/17/97	26	41	
VAFO0110	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/84-08/30/84	0	3	
VAFO0115	No	01045	IRON, TOTAL (UG/L AS FE)	11/09/71-11/24/72	1	2	
VAFO0119	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0120	No	01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	0	1	
VAFO0121	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0122	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0123	No	01045	IRON, TOTAL (UG/L AS FE)	11/09/71-10/24/72	0	2	
VAFO0126	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	1	18	
VAFO0132	No	01045	IRON, TOTAL (UG/L AS FE)	01/18/70-03/18/97	27	46	
VAFO0133	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	15	36	
VAFO0137	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0142	No	01045	IRON, TOTAL (UG/L AS FE)	03/07/91-09/18/91	0	2	
VAFO0144	No	01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	0	1	
VAFO0145	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0150	No	01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	0	1	
VAFO0152	No	01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0155	No	01045	IRON, TOTAL (UG/L AS FE)	10/05/70-10/24/72	2	4	
VAFO0156	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	0	1	
VAFO0160	No	01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/12/94	0	1	
VAFO0161	No	01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0163	No	01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/31/94	2	2	
VAFO0165	No	01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0167	No	01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/31/94	0	2	
VAFO0171	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0176	No	01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	0	1	
VAFO0177	No	01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	0	1	
VAFO0180	No	01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	0	1	
VAFO0183	No	01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	0	1	
VAFO0189	No	01045	IRON, TOTAL (UG/L AS FE)	01/31/94-01/31/94	0	1	
VAFO0193	No	01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/29/86	13	4	
VAFO0198	No	01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	0	1	
VAFO0200	No	01045	IRON, TOTAL (UG/L AS FE)	01/31/94-01/31/94	0	1	
VAFO0208	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-06/24/93	0	3	
VAFO0209	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0213	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/94-03/01/94	0	1	
VAFO0214	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/94-03/01/94	0	1	
VAFO0215	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/94-03/01/94	0	1	
VAFO0218	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0220	No	01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	15	39	
VAFO0222	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0232	No	01045	IRON, TOTAL (UG/L AS FE)	10/03/72-10/01/73	0	2	
VAFO0238	No	01045	IRON, TOTAL (UG/L AS FE)	05/09/95-05/09/95	0	1	
VAFO0242	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	0	1	
VAFO0245	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	1	18	
VAFO0248	No	01045	IRON, TOTAL (UG/L AS FE)	05/14/96-12/30/98	2	3	
VAFO0250	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-06/24/93	0	3	
VAFO0251	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0255	No	01045	IRON, TOTAL (UG/L AS FE)	05/09/95-01/07/98	2	5	
VAFO0256	No	01045	IRON, TOTAL (UG/L AS FE)	08/23/95-09/03/96	1	3	
VAFO0257	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0258	No	01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	0	2	
VAFO0259	No	01045	IRON, TOTAL (UG/L AS FE)	05/14/96-09/03/96	0	3	
VAFO0260	No	01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	0	2	
VAFO0265	No	01045	IRON, TOTAL (UG/L AS FE)	05/14/96-01/07/98	1	5	
VAFO0266	No	01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	0	2	
VAFO0267	No	01045	IRON, TOTAL (UG/L AS FE)	05/09/95-09/03/96	1	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0268	No	01045	IRON, TOTAL (UG/L AS FE)	07/18/96-01/07/98	1	4	
VAFO0269	No	01045	IRON, TOTAL (UG/L AS FE)	01/27/81-03/25/97	16	35	
VAFO0274	No	01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	0	2	
VAFO0275	No	01045	IRON, TOTAL (UG/L AS FE)	07/18/96-12/30/98	2	4	
VAFO0278	No	01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	15	39	
VAFO0279	No	01045	IRON, TOTAL (UG/L AS FE)	10/30/96-10/30/96	0	1	
VAFO0281	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	0	1	
VAFO0282	No	01045	IRON, TOTAL (UG/L AS FE)	05/09/95-01/07/98	2	6	
VAFO0287	No	01045	IRON, TOTAL (UG/L AS FE)	11/04/98-12/30/98	0	2	
VAFO0290	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	0	1	
VAFO0295	No	01045	IRON, TOTAL (UG/L AS FE)	10/30/96-10/30/96	0	1	
VAFO0300	No	01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	0	1	
VAFO0303	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0304	No	01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	0	1	
VAFO0306	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	0	1	
VAFO0307	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	0	1	
VAFO0308	No	01045	IRON, TOTAL (UG/L AS FE)	10/04/72-09/29/86	13	3	
VAFO0310	No	01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/27/78	5	2	
VAFO0315	No	01045	IRON, TOTAL (UG/L AS FE)	10/04/72-09/29/86	13	3	
VAFO0316	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	0	1	
VAFO0325	No	01045	IRON, TOTAL (UG/L AS FE)	05/06/70-10/02/73	3	4	
VAFO0327	No	01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	0	1	
VAFO0330	No	01045	IRON, TOTAL (UG/L AS FE)	12/30/98-12/30/98	0	1	
VAFO0334	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0335	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0340	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0343	No	01045	IRON, TOTAL (UG/L AS FE)	01/07/98-12/30/98	0	2	
VAFO0346	No	01045	IRON, TOTAL (UG/L AS FE)	05/03/71-10/01/73	2	4	
VAFO0349	No	01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	0	1	
VAFO0350	No	01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/12/94	0	1	
VAFO0360	No	01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	0	1	
VAFO0361	No	01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/12/94	0	1	
VAFO0363	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	0	1	
VAFO0366	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	0	1	
VAFO0369	No	01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	0	1	
VAFO0374	No	01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	0	1	
VAFO0375	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0386	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0388	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
VAFO0391	No	01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/27/78	5	2	
VAFO0394	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0395	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
VAFO0398	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0404	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	1	18	
VAFO0406	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	0	1	
VAFO0412	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
VAFO0413	No	01045	IRON, TOTAL (UG/L AS FE)	05/26/95-05/26/95	0	1	
VAFO0420	No	01045	IRON, TOTAL (UG/L AS FE)	05/06/70-10/02/73	3	4	
VAFO0422	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0424	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/93-06/24/93	0	3	
VAFO0425	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	0	1	
VAFO0428	No	01045	IRON, TOTAL (UG/L AS FE)	09/28/70-10/02/73	3	5	
VAFO0433	No	01045	IRON, TOTAL (UG/L AS FE)	03/01/56-08/19/76	20	18	
VAFO0434	No	01045	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	15	117	T,A
VAFO0440	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	0	1	
VAFO0442	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	15	34	
VAFO0443	No	01045	IRON, TOTAL (UG/L AS FE)	05/26/95-05/26/95	0	1	
VAFO0444	No	01045	IRON, TOTAL (UG/L AS FE)	01/11/70-03/18/97	27	40	
VAFO0447	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	0	1	
VAFO0449	No	01045	IRON, TOTAL (UG/L AS FE)	05/25/95-05/25/95	0	1	
VAFO0450	No	01045	IRON, TOTAL (UG/L AS FE)	05/05/70-10/02/73	3	4	
VAFO0452	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/91-03/06/96	4	3	
VAFO0454	No	01045	IRON, TOTAL (UG/L AS FE)	02/24/70-10/04/73	3	5	
VAFO0458	No	01045	IRON, TOTAL (UG/L AS FE)	05/04/70-10/02/73	3	4	
VAFO0045	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/25/26-04/25/68	41	7	
VAFO0089	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	0	10	
VAFO0114	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/11/75-11/11/75	0	1	
VAFO0115	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	18	20	
VAFO0123	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	18	16	
VAFO0124	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/29/76-10/31/80	4	2	
VAFO0126	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	0	10	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0141	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/30/74-10/30/74	0	1	
VAFO0152	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0155	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/04/73-10/13/92	19	18	
VAFO0161	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0163	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0165	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	0	1	
VAFO0173	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/15/69-04/15/70	0	3	
VAFO0190	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/21/83-10/21/83	0	1	
VAFO0216	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/21/83-10/21/83	0	1	
VAFO0232	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/71-10/06/92	20	16	
VAFO0233	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/30/78	4	2	
VAFO0244	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/09/98-09/09/98	0	1	
VAFO0245	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	0	10	
VAFO0284	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/09/98-09/09/98	0	1	
VAFO0324	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/26/76-10/26/76	0	1	
VAFO0325	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/19/82	7	6	
VAFO0329	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/12/84-10/12/84	0	1	
VAFO0339	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/21/83-10/21/83	0	1	
VAFO0346	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/06/92	17	18	
VAFO0348	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	0	1	
VAFO0389	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
VAFO0404	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	0	9	
VAFO0414	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/69-04/15/70	0	4	
VAFO0420	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/08/92	17	20	
VAFO0426	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/08/65-04/08/65	0	1	
VAFO0428	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/07/92	17	17	
VAFO0433	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/25/74-10/14/92	17	14	
VAFO0450	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	16	19	
VAFO0454	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/25/74-10/14/92	17	18	
VAFO0458	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	16	9	
VAFO0007	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	12/27/79-06/25/80	0	21	
VAFO0019	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/21/80-06/25/80	0	12	
VAFO0028	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/19/78-12/19/78	0	1	
VAFO0045	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/21/80-06/26/80	0	6	
VAFO0089	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	0	10	
VAFO0097	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/19/78-12/19/78	0	1	
VAFO0114	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/11/75-11/11/75	0	1	
VAFO0115	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/73-10/05/92	18	16	
VAFO0123	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/73-10/05/92	18	16	
VAFO0124	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/29/76-10/31/80	4	2	
VAFO0126	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	0	9	
VAFO0141	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/30/74-10/30/74	0	1	
VAFO0146	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0149	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/19/78-12/19/78	0	1	
VAFO0151	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0152	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0155	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-10/13/92	19	18	
VAFO0160	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0161	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0163	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0165	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0167	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0175	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/21/80-06/25/80	0	11	
VAFO0190	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/21/83-10/21/83	0	1	
VAFO0205	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0216	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/21/83-10/21/83	0	1	
VAFO0232	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/23/71-11/02/82	11	8	
VAFO0233	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/23/74-10/30/78	4	2	
VAFO0244	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/09/98-09/09/98	0	1	
VAFO0245	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	0	9	
VAFO0284	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/09/98-09/09/98	0	1	
VAFO0324	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/26/76-10/26/76	0	1	
VAFO0325	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/19/82	9	7	
VAFO0329	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/84-10/12/84	0	1	
VAFO0339	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/21/83-10/21/83	0	1	
VAFO0346	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/73-10/19/82	9	9	
VAFO0348	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/05/80-11/05/80	0	1	
VAFO0389	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/13/94-06/13/94	0	1	
VAFO0404	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	0	9	
VAFO0420	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/19/82	9	7	
VAFO0428	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/18/82	9	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0433	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-11/02/82	9	5	
VAFO0450	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/18/82	9	8	
VAFO0454	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-11/02/82	9	9	
VAFO0458	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/21/76	3	4	
VAFO0007	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	12/27/79-06/25/80	0	21	
VAFO0019	No	01050	LEAD, SUSPENDED (UG/L AS PB)	03/21/80-06/25/80	0	12	
VAFO0050	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	03/21/80-06/26/80	0	6	
VAFO0175	No	01050	LEAD, SUSPENDED (UG/L AS PB)	03/21/80-06/25/80	0	11	
VAFO0005	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/06/79-06/25/80	0	22	
VAFO0019	No	01051	LEAD, TOTAL (UG/L AS PB)	09/06/79-06/25/80	0	13	
VAFO0031	No	01051	LEAD, TOTAL (UG/L AS PB)	08/07/78-08/26/87	9	9	
VAFO0043	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	23	62	T,A
VAFO0046	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/03/73-06/26/80	6	9	
VAFO0051	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	0	1	
VAFO0076	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/03/83-09/29/86	2	2	
VAFO0077	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	0	1	
VAFO0088	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/25/93-11/22/93	0	7	
VAFO0089	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	1	18	
VAFO0096	No	01051	LEAD, TOTAL (UG/L AS PB)	10/03/83-09/29/86	2	2	
VAFO0102	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0104	No	01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	0	1	
VAFO0105	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0107	No	01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	0	1	
VAFO0112	No	01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	0	1	
VAFO0119	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0121	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0123	No	01051	LEAD, TOTAL (UG/L AS PB)	11/05/79-11/05/79	0	1	
VAFO0126	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	1	18	
VAFO0137	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0142	No	01051	LEAD, TOTAL (UG/L AS PB)	03/07/91-09/18/91	0	2	
VAFO0144	No	01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	0	1	
VAFO0145	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0146	No	01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0151	No	01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0152	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0156	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	0	1	
VAFO0159	No	01051	LEAD, TOTAL (UG/L AS PB)	04/23/81-04/23/81	0	1	
VAFO0160	No	01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-01/12/94	3	2	
VAFO0161	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0163	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/31/94	2	2	
VAFO0165	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/30/92	0	1	
VAFO0167	No	01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-01/31/94	3	3	
VAFO0171	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0175	No	01051	LEAD, TOTAL (UG/L AS PB)	09/06/79-06/25/80	0	12	
VAFO0176	No	01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	0	1	
VAFO0189	No	01051	LEAD, TOTAL (UG/L AS PB)	01/31/94-01/31/94	0	1	
VAFO0193	No	01051	LEAD, TOTAL (UG/L AS PB)	10/03/72-09/29/86	13	4	
VAFO0200	No	01051	LEAD, TOTAL (UG/L AS PB)	01/31/94-01/31/94	0	1	
VAFO0201	No	01051	LEAD, TOTAL (UG/L AS PB)	01/12/94-01/12/94	0	1	
VAFO0205	No	01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-09/25/90	0	1	
VAFO0207	No	01051	LEAD, TOTAL (UG/L AS PB)	03/12/81-03/12/81	0	1	
VAFO0208	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-06/24/93	0	3	
VAFO0209	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0213	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/94-03/01/94	0	1	
VAFO0214	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/94-03/01/94	0	1	
VAFO0215	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/94-03/01/94	0	1	
VAFO0218	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0222	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0232	No	01051	LEAD, TOTAL (UG/L AS PB)	10/29/79-10/29/79	0	1	
VAFO0238	No	01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-05/09/95	0	1	
VAFO0242	No	01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	0	1	
VAFO0245	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	1	18	
VAFO0248	No	01051	LEAD, TOTAL (UG/L AS PB)	05/14/96-12/30/98	2	3	
VAFO0250	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-06/24/93	0	3	
VAFO0251	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0255	No	01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-01/07/98	2	5	
VAFO0256	No	01051	LEAD, TOTAL (UG/L AS PB)	08/23/95-09/03/96	1	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0257	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0258	No	01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	0	2	
VAFO0259	No	01051	LEAD, TOTAL (UG/L AS PB)	05/14/96-09/03/96	0	3	
VAFO0260	No	01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	0	2	
VAFO0265	No	01051	LEAD, TOTAL (UG/L AS PB)	05/14/96-01/07/98	1	5	
VAFO0266	No	01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	0	2	
VAFO0267	No	01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-09/03/96	1	4	
VAFO0268	No	01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-01/07/98	1	4	
VAFO0274	No	01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	0	2	
VAFO0275	No	01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-12/30/98	2	4	
VAFO0279	No	01051	LEAD, TOTAL (UG/L AS PB)	10/30/96-10/30/96	0	1	
VAFO0281	No	01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	0	1	
VAFO0282	No	01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-01/07/98	2	6	
VAFO0287	No	01051	LEAD, TOTAL (UG/L AS PB)	11/04/98-12/30/98	0	2	
VAFO0290	No	01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	0	1	
VAFO0295	No	01051	LEAD, TOTAL (UG/L AS PB)	10/30/96-10/30/96	0	1	
VAFO0300	No	01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	0	1	
VAFO0306	No	01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	0	1	
VAFO0307	No	01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	0	1	
VAFO0308	No	01051	LEAD, TOTAL (UG/L AS PB)	10/04/72-09/29/86	13	3	
VAFO0315	No	01051	LEAD, TOTAL (UG/L AS PB)	10/04/72-09/29/86	13	3	
VAFO0316	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	0	1	
VAFO0325	No	01051	LEAD, TOTAL (UG/L AS PB)	11/09/79-11/09/79	0	1	
VAFO0327	No	01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	0	1	
VAFO0330	No	01051	LEAD, TOTAL (UG/L AS PB)	12/30/98-12/30/98	0	1	
VAFO0334	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0335	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0342	No	01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	0	1	
VAFO0343	No	01051	LEAD, TOTAL (UG/L AS PB)	01/07/98-12/30/98	0	2	
VAFO0346	No	01051	LEAD, TOTAL (UG/L AS PB)	10/29/79-10/29/79	0	1	
VAFO0349	No	01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	0	1	
VAFO0350	No	01051	LEAD, TOTAL (UG/L AS PB)	01/12/94-01/12/94	0	1	
VAFO0360	No	01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	0	1	
VAFO0361	No	01051	LEAD, TOTAL (UG/L AS PB)	01/12/94-01/12/94	0	1	
VAFO0363	No	01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	0	1	
VAFO0366	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	0	1	
VAFO0369	No	01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	0	1	
VAFO0374	No	01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	0	1	
VAFO0388	No	01051	LEAD, TOTAL (UG/L AS PB)	06/14/94-06/14/94	0	1	
VAFO0395	No	01051	LEAD, TOTAL (UG/L AS PB)	06/14/94-06/14/94	0	1	
VAFO0404	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	1	18	
VAFO0406	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	0	1	
VAFO0412	No	01051	LEAD, TOTAL (UG/L AS PB)	06/14/94-06/14/94	0	1	
VAFO0413	No	01051	LEAD, TOTAL (UG/L AS PB)	05/26/95-05/26/95	0	1	
VAFO0424	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-06/24/93	0	3	
VAFO0428	No	01051	LEAD, TOTAL (UG/L AS PB)	11/05/79-11/05/79	0	1	
VAFO0433	No	01051	LEAD, TOTAL (UG/L AS PB)	11/09/79-11/09/79	0	1	
VAFO0434	No	01051	LEAD, TOTAL (UG/L AS PB)	06/23/75-08/13/87	12	11	
VAFO0440	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	0	1	
VAFO0443	No	01051	LEAD, TOTAL (UG/L AS PB)	05/26/95-05/26/95	0	1	
VAFO0447	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	0	1	
VAFO0449	No	01051	LEAD, TOTAL (UG/L AS PB)	05/25/95-05/25/95	0	1	
VAFO0452	No	01051	LEAD, TOTAL (UG/L AS PB)	03/26/91-03/06/96	4	3	
VAFO0454	No	01051	LEAD, TOTAL (UG/L AS PB)	11/09/79-11/09/79	0	1	
VAFO0458	No	01051	LEAD, TOTAL (UG/L AS PB)	11/01/79-11/01/79	0	1	
VAFO0001	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0019	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-11/18/93	14	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0123	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-11/14/79	0	2	
VAFO0159	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0229	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0232	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0421	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0433	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0017	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0022	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0115	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0123	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0155	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0232	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0346	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0433	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0458	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0011	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	15	36	
VAFO0031	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/78-08/26/87	9	10	
VAFO0032	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/50-06/13/50	0	2	
VAFO0043	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	23	62	T,A
VAFO0046	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/72-02/19/76	3	2	
VAFO0051	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	0	1	
VAFO0074	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	15	38	
VAFO0076	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/83-09/29/86	2	2	
VAFO0077	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	0	1	
VAFO0088	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/93-11/22/93	0	7	
VAFO0089	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	1	18	
VAFO0096	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/83-09/29/86	2	2	
VAFO0100	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/71-03/17/97	25	30	
VAFO0102	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0104	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	0	1	
VAFO0105	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0106	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/03/70-03/17/97	26	41	
VAFO0107	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	0	1	
VAFO0110	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/84-08/30/84	0	3	
VAFO0112	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	0	1	
VAFO0115	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/71-11/24/72	1	2	
VAFO0119	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0121	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0123	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/71-10/24/72	0	2	
VAFO0126	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	1	18	
VAFO0132	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/18/70-03/18/97	27	46	
VAFO0133	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	15	36	
VAFO0137	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0142	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/07/91-09/18/91	0	2	
VAFO0144	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	0	1	
VAFO0145	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0152	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0155	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/70-10/24/72	2	4	
VAFO0156	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	0	1	
VAFO0160	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/12/94	0	1	
VAFO0161	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0163	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/31/94	2	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0165	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0167	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/31/94	0	2	
VAFO0171	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0176	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	0	1	
VAFO0189	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/31/94-01/31/94	0	1	
VAFO0193	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/72-09/29/86	13	4	
VAFO0200	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/31/94-01/31/94	0	1	
VAFO0208	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-06/24/93	0	3	
VAFO0209	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0213	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/94-03/01/94	0	1	
VAFO0214	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/94-03/01/94	0	1	
VAFO0215	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/94-03/01/94	0	1	
VAFO0218	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0220	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	15	39	
VAFO0222	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0232	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/72-10/01/73	0	2	
VAFO0233	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/70-09/27/71	1	4	
VAFO0238	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-05/09/95	0	1	
VAFO0242	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	0	1	
VAFO0245	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	1	18	
VAFO0248	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/14/96-12/30/98	2	3	
VAFO0250	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-06/24/93	0	3	
VAFO0251	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0255	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-01/07/98	2	5	
VAFO0256	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/23/95-09/03/96	1	3	
VAFO0257	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0258	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	0	2	
VAFO0259	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/14/96-09/03/96	0	3	
VAFO0260	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	0	2	
VAFO0265	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/14/96-01/07/98	1	5	
VAFO0266	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	0	2	
VAFO0267	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-09/03/96	1	4	
VAFO0268	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-01/07/98	1	4	
VAFO0269	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/81-03/25/97	16	35	
VAFO0274	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	0	2	
VAFO0275	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-12/30/98	2	4	
VAFO0278	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	15	39	
VAFO0279	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/30/96-10/30/96	0	1	
VAFO0281	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	0	1	
VAFO0282	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-01/07/98	2	6	
VAFO0287	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/04/98-12/30/98	0	2	
VAFO0290	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	0	1	
VAFO0295	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/30/96-10/30/96	0	1	
VAFO0300	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	0	1	
VAFO0306	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	0	1	
VAFO0307	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	0	1	
VAFO0308	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/04/72-09/29/86	13	3	
VAFO0315	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/04/72-09/29/86	13	3	
VAFO0316	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	0	1	
VAFO0324	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/71-09/28/71	0	1	
VAFO0325	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/71-10/02/73	2	3	
VAFO0327	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	0	1	
VAFO0330	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/98-12/30/98	0	1	
VAFO0334	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0335	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0342	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	0	1	
VAFO0343	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/07/98-12/30/98	0	2	
VAFO0346	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/71-10/01/73	2	4	
VAFO0349	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	0	1	
VAFO0350	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/12/94	0	1	
VAFO0360	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	0	1	
VAFO0361	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/12/94	0	1	
VAFO0363	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	0	1	
VAFO0366	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	0	1	
VAFO0369	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	0	1	
VAFO0374	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	0	1	
VAFO0388	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
VAFO0395	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
VAFO0404	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	1	18	
VAFO0406	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	0	1	
VAFO0412	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
VAFO0413	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/95-05/26/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0420	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/71-10/02/73	2	3	
VAFO0424	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-06/24/93	0	3	
VAFO0428	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/70-10/02/73	3	6	
VAFO0433	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/50-07/29/76	26	10	
VAFO0434	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-08/13/87	12	12	
VAFO0440	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	0	1	
VAFO0442	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	15	34	
VAFO0443	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/95-05/26/95	0	1	
VAFO0444	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/11/70-03/18/97	27	40	
VAFO0447	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	0	1	
VAFO0449	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/95-05/25/95	0	1	
VAFO0450	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/70-10/02/73	3	4	
VAFO0452	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/91-03/06/96	4	3	
VAFO0454	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/10/71-10/04/73	2	4	
VAFO0458	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/70-10/02/73	3	4	
VAFO0045	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/22/61-04/25/68	7	6	
VAFO0061	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/77-07/06/77	0	1	
VAFO0089	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	0	10	
VAFO0114	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/11/75-11/11/75	0	1	
VAFO0115	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	18	20	
VAFO0123	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	18	16	
VAFO0124	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/29/76-10/31/80	4	2	
VAFO0126	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	0	10	
VAFO0141	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/30/74-10/30/74	0	1	
VAFO0152	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0155	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/04/73-10/13/92	19	18	
VAFO0161	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0163	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0165	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	0	1	
VAFO0190	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/21/83-10/21/83	0	1	
VAFO0216	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/21/83-10/21/83	0	1	
VAFO0232	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/06/92	17	16	
VAFO0233	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/30/78-10/30/78	0	1	
VAFO0244	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/09/98-09/09/98	0	1	
VAFO0245	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	0	10	
VAFO0284	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/09/98-09/09/98	0	1	
VAFO0324	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/26/76-10/26/76	0	1	
VAFO0325	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/19/82	7	6	
VAFO0329	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/84-10/12/84	0	1	
VAFO0339	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/21/83-10/21/83	0	1	
VAFO0346	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/06/92	17	18	
VAFO0348	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	0	1	
VAFO0389	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
VAFO0397	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/77-06/28/77	0	1	
VAFO0404	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	0	9	
VAFO0420	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/08/92	17	20	
VAFO0426	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/08/65-04/08/65	0	1	
VAFO0428	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/07/92	17	17	
VAFO0433	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/25/74-10/14/92	17	14	
VAFO0446	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/77-06/27/77	0	1	
VAFO0450	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	16	19	
VAFO0454	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/25/74-10/14/92	17	18	
VAFO0458	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	16	9	
VAFO0459	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/77-06/27/77	0	1	
VAFO0460	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/77-06/27/77	0	1	
VAFO0005	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	04/22/81-04/22/81	0	1	
VAFO0159	No	01059	THALLIUM, TOTAL (UG/L AS TL)	04/23/81-04/23/81	0	1	
VAFO0207	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/12/81-03/12/81	0	1	
VAFO0115	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/26/88-10/05/92	3	5	
VAFO0123	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/26/88-10/05/92	3	5	
VAFO0155	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/19/88-10/13/92	3	5	
VAFO0244	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	09/09/98-09/09/98	0	1	
VAFO0284	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	09/09/98-09/09/98	0	1	
VAFO0389	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/13/94-06/13/94	0	1	
VAFO0007	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	12/27/79-06/25/80	0	13	
VAFO0019	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/21/80-06/25/80	0	12	
VAFO0045	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/21/80-06/26/80	0	6	
VAFO0089	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	0	10	
VAFO0114	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/11/75-11/11/75	0	1	
VAFO0115	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/73-10/05/92	18	16	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0123	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/73-10/05/92	18	16	
VAFO0124	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/29/76-10/31/80	4	2	
VAFO0126	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	0	10	
VAFO0141	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/30/74-10/30/74	0	1	
VAFO0152	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0155	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-10/13/92	19	18	
VAFO0161	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0163	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0165	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0175	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/21/80-06/25/80	0	11	
VAFO0190	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/21/83-10/21/83	0	1	
VAFO0216	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/21/83-10/21/83	0	1	
VAFO0232	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/23/71-11/02/82	11	8	
VAFO0233	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/23/74-10/30/78	4	2	
VAFO0244	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/09/98-09/09/98	0	1	
VAFO0245	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	0	10	
VAFO0284	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/09/98-09/09/98	0	1	
VAFO0324	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/26/76-10/26/76	0	1	
VAFO0325	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/19/82	9	7	
VAFO0329	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/84-10/12/84	0	1	
VAFO0339	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/21/83-10/21/83	0	1	
VAFO0346	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/73-10/19/82	9	9	
VAFO0348	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/05/80-11/05/80	0	1	
VAFO0389	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/13/94-06/13/94	0	1	
VAFO0404	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	0	10	
VAFO0420	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/19/82	9	7	
VAFO0428	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/18/82	9	9	
VAFO0433	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-11/02/82	9	5	
VAFO0450	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/18/82	9	8	
VAFO0454	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-11/02/82	9	9	
VAFO0458	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/21/76	3	4	
VAFO0007	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	12/27/79-06/25/80	0	13	
VAFO0019	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	03/21/80-06/25/80	0	12	
VAFO0050	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	03/21/80-06/26/80	0	6	
VAFO0175	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	03/21/80-06/25/80	0	11	
VAFO0005	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/06/79-06/25/80	0	14	
VAFO0019	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/06/79-06/25/80	0	13	
VAFO0031	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/07/78-08/26/87	9	9	
VAFO0032	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/08/73-08/08/73	0	1	
VAFO0043	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	0	1	
VAFO0044	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	23	62	T,A
VAFO0046	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/03/73-06/26/80	6	9	
VAFO0051	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	0	1	
VAFO0076	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/03/83-09/29/86	2	2	
VAFO0077	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	0	1	
VAFO0088	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	05/25/93-11/22/93	0	7	
VAFO0089	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	1	18	
VAFO0096	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/03/83-09/29/86	2	2	
VAFO0102	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0104	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	0	1	
VAFO0105	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0107	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	0	1	
VAFO0112	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	0	1	
VAFO0115	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/09/71-11/24/72	1	2	
VAFO0119	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0121	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0123	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/09/71-10/24/72	0	2	
VAFO0126	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	1	18	
VAFO0137	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0144	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	0	1	
VAFO0145	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0152	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0155	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/05/70-10/24/72	2	4	
VAFO0156	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	0	1	
VAFO0159	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/81-04/23/81	0	1	
VAFO0160	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/12/94	0	1	
VAFO0161	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0163	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/31/94	2	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0165	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/30/92	0	1	
VAFO0167	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/31/94	0	2	
VAFO0171	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0175	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/06/79-06/25/80	0	12	
VAFO0176	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	0	1	
VAFO0189	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/31/94-01/31/94	0	1	
VAFO0193	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/03/72-09/29/86	13	4	
VAFO0200	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/31/94-01/31/94	0	1	
VAFO0207	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/12/81-03/12/81	0	1	
VAFO0208	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-06/24/93	0	3	
VAFO0209	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0213	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/94-03/01/94	0	1	
VAFO0214	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/94-03/01/94	0	1	
VAFO0215	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/94-03/01/94	0	1	
VAFO0218	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0222	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0232	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/03/72-10/03/72	0	1	
VAFO0238	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-05/09/95	0	1	
VAFO0242	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	0	1	
VAFO0245	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	1	18	
VAFO0248	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/14/96-12/30/98	2	3	
VAFO0250	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-06/24/93	0	3	
VAFO0251	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0255	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-01/07/98	2	5	
VAFO0256	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/23/95-09/03/96	1	3	
VAFO0257	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0258	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	0	2	
VAFO0259	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/14/96-09/03/96	0	3	
VAFO0260	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	0	2	
VAFO0265	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/14/96-01/07/98	1	5	
VAFO0266	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	0	2	
VAFO0267	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-09/03/96	1	4	
VAFO0268	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-01/07/98	1	4	
VAFO0274	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	0	2	
VAFO0275	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-12/30/98	2	4	
VAFO0279	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/30/96-10/30/96	0	1	
VAFO0281	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	0	1	
VAFO0282	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-01/07/98	2	6	
VAFO0287	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/04/98-12/30/98	0	2	
VAFO0290	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	0	1	
VAFO0295	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/30/96-10/30/96	0	1	
VAFO0300	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	0	1	
VAFO0306	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	0	1	
VAFO0307	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	0	1	
VAFO0308	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/04/72-09/29/86	13	3	
VAFO0315	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/04/72-09/29/86	13	3	
VAFO0316	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	0	1	
VAFO0325	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/06/70-10/09/72	2	3	
VAFO0327	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	0	1	
VAFO0330	No	01067	NICKEL, TOTAL (UG/L AS NI)	12/30/98-12/30/98	0	1	
VAFO0334	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0335	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0342	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	0	1	
VAFO0343	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/07/98-12/30/98	0	2	
VAFO0346	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/03/71-10/03/72	1	3	
VAFO0349	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	0	1	
VAFO0350	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/12/94	0	1	
VAFO0360	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	0	1	
VAFO0361	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/12/94	0	1	
VAFO0363	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	0	1	
VAFO0366	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	0	1	
VAFO0369	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	0	1	
VAFO0374	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	0	1	
VAFO0388	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/14/94-06/14/94	0	1	
VAFO0395	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/14/94-06/14/94	0	1	
VAFO0404	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	1	18	
VAFO0406	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	0	1	
VAFO0412	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/14/94-06/14/94	0	1	
VAFO0413	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/26/95-05/26/95	0	1	
VAFO0420	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/06/70-10/09/72	2	3	
VAFO0424	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-06/24/93	0	3	
VAFO0428	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/28/70-10/03/72	2	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0433	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/05/70-10/30/72	2	3	
VAFO0434	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/23/75-08/13/87	12	11	
VAFO0440	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	0	1	
VAFO0443	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/26/95-05/26/95	0	1	
VAFO0447	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	0	1	
VAFO0449	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/25/95-05/25/95	0	1	
VAFO0450	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/05/70-10/03/72	2	3	
VAFO0454	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/10/71-10/30/72	1	3	
VAFO0458	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/04/70-10/03/72	2	3	
VAFO0001	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0019	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0028	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0068	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0135	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0158	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0229	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0314	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0421	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0005	Yes	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0233	No	01074	NICKEL,TOTAL RECOVERABLE IN WATER AS NI UG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	01074	NICKEL,TOTAL RECOVERABLE IN WATER AS NI UG/L	09/29/70-09/28/71	0	2	
VAFO0045	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	4	54	A
VAFO0115	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/05/92	8	8	
VAFO0123	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/05/92	8	9	
VAFO0141	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/30/74-10/30/74	0	1	
VAFO0155	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/20/83-10/13/92	8	9	
VAFO0190	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/21/83	0	1	
VAFO0216	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/21/83	0	1	
VAFO0244	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/09/98-09/09/98	0	1	
VAFO0284	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/09/98-09/09/98	0	1	
VAFO0339	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/21/83	0	1	
VAFO0389	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/13/94-06/13/94	0	1	
VAFO0005	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/22/81-04/22/81	0	1	
VAFO0045	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	4	54	A
VAFO0159	No	01077	SILVER, TOTAL (UG/L AS AG)	04/23/81-04/23/81	0	1	
VAFO0207	No	01077	SILVER, TOTAL (UG/L AS AG)	03/12/81-03/12/81	0	1	
VAFO0001	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0019	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0028	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0068	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0135	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0158	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0314	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0115	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/26/88-10/05/92	3	5	
VAFO0123	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/26/88-10/05/92	3	5	
VAFO0155	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/19/88-10/13/92	3	5	
VAFO0389	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/13/94-06/13/94	0	1	
VAFO0061	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	07/06/77-07/06/77	0	1	
VAFO0115	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	10/26/88-10/05/92	3	5	
VAFO0123	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	10/26/88-10/05/92	3	5	
VAFO0155	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	10/19/88-10/13/92	3	5	
VAFO0389	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/13/94-06/13/94	0	1	
VAFO0397	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/28/77-06/28/77	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0446	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/27/77-06/27/77	0	1	
VAFO0459	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/27/77-06/27/77	0	1	
VAFO0460	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/27/77-06/27/77	0	1	
VAFO0007	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/27/79-06/25/80	0	13	
VAFO0019	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/21/80-06/25/80	0	12	
VAFO0028	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/19/78-12/19/78	0	1	
VAFO0045	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	4	54	A
VAFO0050	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/21/80-06/26/80	0	6	
VAFO0089	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	0	10	
VAFO0097	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/19/78-12/19/78	0	1	
VAFO0114	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/11/75-11/11/75	0	1	
VAFO0115	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/73-10/05/92	18	16	
VAFO0123	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/73-10/05/92	18	16	
VAFO0124	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/29/76-10/31/80	4	2	
VAFO0126	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	0	10	
VAFO0141	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/30/74-10/30/74	0	1	
VAFO0146	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0149	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/19/78-12/19/78	0	1	
VAFO0151	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0152	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0155	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-10/13/92	19	18	
VAFO0160	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0161	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0163	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0165	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0167	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0175	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/21/80-06/25/80	0	11	
VAFO0190	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/21/83-10/21/83	0	1	
VAFO0205	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0216	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/21/83-10/21/83	0	1	
VAFO0232	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/73-11/02/82	9	8	
VAFO0233	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/30/78-10/30/78	0	1	
VAFO0244	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/09/98-09/09/98	0	1	
VAFO0245	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	0	10	
VAFO0284	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/09/98-09/09/98	0	1	
VAFO0324	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/26/76-10/26/76	0	1	
VAFO0325	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/19/82	9	7	
VAFO0329	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/84-10/12/84	0	1	
VAFO0339	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/21/83-10/21/83	0	1	
VAFO0346	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/73-10/19/82	9	9	
VAFO0348	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/05/80-11/05/80	0	1	
VAFO0389	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/13/94-06/13/94	0	1	
VAFO0404	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	0	10	
VAFO0420	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/19/82	9	7	
VAFO0428	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/18/82	9	9	
VAFO0433	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-11/02/82	9	5	
VAFO0450	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/18/82	9	8	
VAFO0454	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-11/02/82	9	9	
VAFO0458	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/21/76	3	4	
VAFO0007	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	12/27/79-06/25/80	0	13	
VAFO0019	No	01091	ZINC, SUSPENDED (UG/L ZN)	03/21/80-06/25/80	0	12	
VAFO0050	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	03/21/80-06/26/80	0	6	
VAFO0175	No	01091	ZINC, SUSPENDED (UG/L ZN)	03/21/80-06/25/80	0	11	
VAFO0005	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/06/79-06/25/80	0	14	
VAFO0011	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	15	36	
VAFO0019	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/06/79-06/25/80	0	13	
VAFO0031	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/07/78-08/26/87	9	9	
VAFO0032	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/08/73-08/08/73	0	1	
VAFO0044	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	23	63	T,A
VAFO0046	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/03/73-06/26/80	6	9	
VAFO0074	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	15	38	
VAFO0088	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/25/93-11/22/93	0	7	
VAFO0089	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	1	18	
VAFO0100	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/09/71-03/17/97	25	30	
VAFO0102	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0104	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	0	1	
VAFO0105	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0106	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/03/70-03/17/97	26	41	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0110	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/26/84-08/30/84	0	3	
VAFO0115	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/09/71-11/24/72	1	2	
VAFO0119	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0121	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0123	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/09/71-11/05/79	7	3	
VAFO0126	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	1	18	
VAFO0132	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/18/70-03/18/97	27	46	
VAFO0133	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	15	36	
VAFO0137	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0142	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/07/91-09/18/91	0	2	
VAFO0144	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	0	1	
VAFO0145	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0146	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0151	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0152	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0155	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/05/70-11/14/79	9	5	
VAFO0156	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	0	1	
VAFO0159	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/81-04/23/81	0	1	
VAFO0160	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-01/12/94	3	2	
VAFO0161	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0163	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/31/94	2	2	
VAFO0165	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/30/92	0	1	
VAFO0167	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-01/31/94	3	3	
VAFO0171	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0175	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/06/79-06/25/80	0	12	
VAFO0176	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	0	1	
VAFO0189	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/31/94-01/31/94	0	1	
VAFO0200	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/31/94-01/31/94	0	1	
VAFO0205	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-09/25/90	0	1	
VAFO0207	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/12/81-03/12/81	0	1	
VAFO0208	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-06/24/93	0	3	
VAFO0209	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0213	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/94-03/01/94	0	1	
VAFO0214	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/94-03/01/94	0	1	
VAFO0215	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/94-03/01/94	0	1	
VAFO0218	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0220	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	15	39	
VAFO0222	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0232	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/03/72-10/29/79	7	2	
VAFO0238	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-05/09/95	0	1	
VAFO0242	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	0	1	
VAFO0245	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	1	18	
VAFO0248	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/96-12/30/98	2	3	
VAFO0250	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-06/24/93	0	3	
VAFO0251	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0255	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-01/07/98	2	5	
VAFO0256	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/23/95-09/03/96	1	3	
VAFO0257	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0258	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	0	2	
VAFO0259	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/96-09/03/96	0	3	
VAFO0260	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	0	2	
VAFO0265	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/14/96-01/07/98	1	5	
VAFO0266	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	0	2	
VAFO0267	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-09/03/96	1	4	
VAFO0268	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-01/07/98	1	4	
VAFO0269	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/27/81-03/25/97	16	35	
VAFO0274	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	0	2	
VAFO0275	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-12/30/98	2	4	
VAFO0278	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	15	39	
VAFO0279	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/30/96-10/30/96	0	1	
VAFO0281	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	0	1	
VAFO0282	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-01/07/98	2	6	
VAFO0287	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/04/98-12/30/98	0	2	
VAFO0290	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	0	1	
VAFO0295	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/30/96-10/30/96	0	1	
VAFO0300	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	0	1	
VAFO0306	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	0	1	
VAFO0307	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	0	1	
VAFO0308	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/04/72-10/04/72	0	1	
VAFO0315	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/04/72-10/04/72	0	1	
VAFO0316	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	0	1	
VAFO0325	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/70-11/09/79	9	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0327	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	0	1	
VAFO0330	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/30/98-12/30/98	0	1	
VAFO0334	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0335	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0343	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/07/98-12/30/98	0	2	
VAFO0346	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/71-10/29/79	8	4	
VAFO0349	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	0	1	
VAFO0350	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/12/94-01/12/94	0	1	
VAFO0360	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	0	1	
VAFO0361	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/12/94-01/12/94	0	1	
VAFO0363	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	0	1	
VAFO0366	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	0	1	
VAFO0369	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	0	1	
VAFO0374	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	0	1	
VAFO0388	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/14/94-06/14/94	0	1	
VAFO0395	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/14/94-06/14/94	0	1	
VAFO0404	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	1	18	
VAFO0406	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	0	1	
VAFO0412	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/14/94-06/14/94	0	1	
VAFO0413	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/26/95-05/26/95	0	1	
VAFO0420	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/70-10/09/72	2	3	
VAFO0424	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-06/24/93	0	3	
VAFO0428	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/28/70-11/05/79	9	5	
VAFO0433	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/05/70-11/09/79	9	4	
VAFO0434	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/75-08/13/87	12	11	
VAFO0440	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	0	1	
VAFO0442	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	15	34	
VAFO0443	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/26/95-05/26/95	0	1	
VAFO0444	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/11/70-03/18/97	27	40	
VAFO0447	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	0	1	
VAFO0449	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/25/95-05/25/95	0	1	
VAFO0450	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/05/70-10/03/72	2	3	
VAFO0452	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/26/91-03/06/96	4	3	
VAFO0454	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/10/71-11/09/79	8	4	
VAFO0458	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/04/70-11/01/79	9	4	
VAFO0001	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0019	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-11/18/93	14	2	
VAFO0123	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-11/14/79	0	2	
VAFO0159	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0229	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0232	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0433	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0114	No	01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	11/05/79-11/05/79	0	1	
VAFO0233	No	01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	09/29/70-09/28/71	0	2	
VAFO0244	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	09/09/98-09/09/98	0	1	
VAFO0284	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	09/09/98-09/09/98	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	04/22/81-04/22/81	0	1	
VAFO0159	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	04/23/81-04/23/81	0	1	
VAFO0207	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	03/12/81-03/12/81	0	1	
VAFO0001	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0019	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0028	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0068	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0135	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0158	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0229	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0314	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0005	Yes	01099	ANTIMONY,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	01099	ANTIMONY,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0031	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/26/80-08/26/87	7	8	
VAFO0045	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	18	60	T,A
VAFO0046	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0048	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-11/22/93	0	8	
VAFO0050	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/17/72-02/19/76	3	2	
VAFO0088	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/93-11/22/93	0	7	
VAFO0089	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	1	18	
VAFO0105	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0121	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0126	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	1	18	
VAFO0145	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0152	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0156	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	0	1	
VAFO0160	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/12/94	0	1	
VAFO0161	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0163	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/31/94	2	2	
VAFO0165	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0167	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/31/94	0	2	
VAFO0189	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/31/94-01/31/94	0	1	
VAFO0200	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/31/94-01/31/94	0	1	
VAFO0208	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-06/24/93	0	3	
VAFO0213	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/94-03/01/94	0	1	
VAFO0214	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/94-03/01/94	0	1	
VAFO0215	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/94-03/01/94	0	1	
VAFO0218	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0222	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0238	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-05/09/95	0	1	
VAFO0242	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	0	1	
VAFO0245	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	1	18	
VAFO0248	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/14/96-12/30/98	2	3	
VAFO0250	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-06/24/93	0	3	
VAFO0255	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-01/07/98	2	5	
VAFO0256	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/23/95-09/03/96	1	3	
VAFO0257	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0258	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	0	2	
VAFO0259	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/14/96-09/03/96	0	3	
VAFO0260	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	0	2	
VAFO0265	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/14/96-01/07/98	1	5	
VAFO0266	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	0	2	
VAFO0267	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-09/03/96	1	4	
VAFO0268	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-01/07/98	1	4	
VAFO0274	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	0	2	
VAFO0275	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-12/30/98	2	4	
VAFO0279	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/30/96-10/30/96	0	1	
VAFO0281	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	0	1	
VAFO0282	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-01/07/98	2	5	
VAFO0287	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/04/98-12/30/98	0	2	
VAFO0290	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	0	1	
VAFO0295	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/30/96-10/30/96	0	1	
VAFO0306	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	0	1	
VAFO0307	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0316	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	0	1	
VAFO0330	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/30/98-12/30/98	0	1	
VAFO0335	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0343	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/07/98-12/30/98	0	2	
VAFO0349	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	0	1	
VAFO0350	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/12/94	0	1	
VAFO0360	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	0	1	
VAFO0361	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/12/94	0	1	
VAFO0363	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	0	1	
VAFO0369	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	0	1	
VAFO0374	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	0	1	
VAFO0388	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
VAFO0395	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
VAFO0404	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	1	18	
VAFO0406	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	0	1	
VAFO0412	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
VAFO0413	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/26/95-05/26/95	0	1	
VAFO0424	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-06/24/93	0	3	
VAFO0434	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/15/77-08/13/87	10	9	
VAFO0440	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	0	1	
VAFO0443	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/26/95-05/26/95	0	1	
VAFO0447	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	0	1	
VAFO0449	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/95-05/25/95	0	1	
VAFO0045	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	4	52	A
VAFO0061	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/06/77-07/06/77	0	1	
VAFO0067	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/22/84-08/22/84	0	1	
VAFO0089	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	0	10	
VAFO0115	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/05/92	8	9	
VAFO0123	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/05/92	8	9	
VAFO0126	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	0	10	
VAFO0141	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/30/74-10/30/74	0	1	
VAFO0152	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0155	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/13/92	8	9	
VAFO0161	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0163	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0165	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	0	1	
VAFO0190	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/21/83	0	1	
VAFO0212	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/29/85-04/29/85	0	1	
VAFO0216	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/21/83	0	1	
VAFO0232	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/18/83-10/06/92	8	9	
VAFO0244	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/09/98-09/09/98	0	1	
VAFO0245	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	0	10	
VAFO0284	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/09/98-09/09/98	0	1	
VAFO0329	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/12/84-10/12/84	0	1	
VAFO0339	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-08/22/84	0	2	
VAFO0346	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/83-10/06/92	8	10	
VAFO0397	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/28/77-06/28/77	0	1	
VAFO0404	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	0	10	
VAFO0411	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/22/84-08/22/84	0	1	
VAFO0420	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/08/92	8	11	
VAFO0428	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/83-10/07/92	8	9	
VAFO0433	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/19/69-10/14/92	22	11	
VAFO0446	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/27/77-06/27/77	0	1	
VAFO0450	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/18/83-10/03/91	7	9	
VAFO0454	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/14/92	8	10	
VAFO0458	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/05/84-10/03/91	6	6	
VAFO0459	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/27/77-06/27/77	0	1	
VAFO0460	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/27/77-06/27/77	0	1	
VAFO0114	No	01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	11/05/79-11/05/79	0	1	
VAFO0233	No	01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	09/29/70-09/28/71	0	2	
VAFO0115	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	9	13	
VAFO0123	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	9	10	
VAFO0141	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/30/74-10/30/74	0	1	
VAFO0155	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/19/88-10/13/92	3	5	
VAFO0185	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/10/84-10/10/84	0	1	
VAFO0190	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/83-10/21/83	0	1	
VAFO0216	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/83-10/21/83	0	1	
VAFO0244	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/09/98-09/09/98	0	1	
VAFO0252	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/12/84-10/12/84	0	1	
VAFO0284	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/09/98-09/09/98	0	1	
VAFO0329	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/12/84-10/12/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0339	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/83-09/02/87	3	13	
VAFO0357	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	0	1	
VAFO0370	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	0	1	
VAFO0376	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	0	1	
VAFO0378	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	0	1	
VAFO0381	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	0	1	
VAFO0385	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	0	1	
VAFO0389	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	06/13/94-06/13/94	0	1	
VAFO0392	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	0	1	
VAFO0396	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/13/85-03/13/85	0	1	
VAFO0411	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	0	1	
VAFO0418	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	0	1	
VAFO0420	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/23/84-03/23/84	0	1	
VAFO0450	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/23/84-03/23/84	0	1	
VAFO0115	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/09/71-11/24/72	1	2	
VAFO0123	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/09/71-10/24/72	0	2	
VAFO0155	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/70-10/24/72	2	4	
VAFO0232	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/03/72-10/03/72	0	1	
VAFO0242	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	0	1	
VAFO0248	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-05/14/96	0	1	
VAFO0255	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-01/07/98	1	3	
VAFO0256	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0258	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0259	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-09/03/96	0	3	
VAFO0260	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0265	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-01/07/98	1	5	
VAFO0266	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0267	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0268	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-01/07/98	1	4	
VAFO0274	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0275	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	0	2	
VAFO0279	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/30/96-10/30/96	0	1	
VAFO0281	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	0	1	
VAFO0282	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-01/07/98	1	4	
VAFO0290	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	0	1	
VAFO0295	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/30/96-10/30/96	0	1	
VAFO0306	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	0	1	
VAFO0307	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	0	1	
VAFO0325	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/06/70-10/09/72	2	3	
VAFO0343	No	01132	LITHIUM, TOTAL (UG/L AS LI)	01/07/98-01/07/98	0	1	
VAFO0346	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/03/71-10/03/72	1	3	
VAFO0349	No	01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	0	1	
VAFO0350	No	01132	LITHIUM, TOTAL (UG/L AS LI)	01/12/94-01/12/94	0	1	
VAFO0360	No	01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	0	1	
VAFO0369	No	01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	0	1	
VAFO0374	No	01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	0	1	
VAFO0388	No	01132	LITHIUM, TOTAL (UG/L AS LI)	06/14/94-06/14/94	0	1	
VAFO0395	No	01132	LITHIUM, TOTAL (UG/L AS LI)	06/14/94-06/14/94	0	1	
VAFO0412	No	01132	LITHIUM, TOTAL (UG/L AS LI)	06/14/94-06/14/94	0	1	
VAFO0420	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/06/70-10/09/72	2	3	
VAFO0428	No	01132	LITHIUM, TOTAL (UG/L AS LI)	09/28/70-10/03/72	2	4	
VAFO0433	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/70-10/30/72	2	3	
VAFO0450	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/05/70-10/03/72	2	3	
VAFO0454	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/10/71-10/30/72	1	3	
VAFO0458	No	01132	LITHIUM, TOTAL (UG/L AS LI)	05/04/70-10/03/72	2	3	
VAFO0233	No	01134	LITHIUM,TOTAL RECOVERABLE IN WATER AS LI UG/L	05/05/70-09/27/71	1	4	
VAFO0324	No	01134	LITHIUM,TOTAL RECOVERABLE IN WATER AS LI UG/L	09/29/70-09/28/71	0	2	
VAFO0045	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	4	54	A
VAFO0141	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/30/74-10/30/74	0	1	
VAFO0244	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/09/98-09/09/98	0	1	
VAFO0284	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/09/98-09/09/98	0	1	
VAFO0005	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	04/22/81-04/22/81	0	1	
VAFO0045	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	4	54	A
VAFO0123	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/05/79-11/05/79	0	1	
VAFO0159	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/23/81-04/23/81	0	1	
VAFO0207	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/12/81-03/12/81	0	1	
VAFO0232	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/29/79-10/29/79	0	1	
VAFO0325	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/09/79-11/09/79	0	1	
VAFO0346	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/29/79-10/29/79	0	1	
VAFO0428	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/05/79-11/05/79	0	1	
VAFO0433	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/09/79-11/09/79	0	1	
VAFO0454	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/09/79-11/09/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0458	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/01/79-11/01/79	0	1	
VAFO0001	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0019	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0028	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0068	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0135	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0158	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0314	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0421	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0005	Yes	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0308	No	01152	TITANIUM, TOTAL (UG/L AS TI)	10/04/72-10/04/72	0	1	
VAFO0315	No	01152	TITANIUM, TOTAL (UG/L AS TI)	10/04/72-10/04/72	0	1	
VAFO0017	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0022	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0115	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0123	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0155	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0232	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0346	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0433	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0458	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0031	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	04/12/73-08/28/84	11	22	
VAFO0032	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	06/18/73-08/13/73	0	2	
VAFO0045	Yes	01330	ODOR, ATMOSPHERIC (SEVERITY)	04/17/73-11/17/81	8	25	
VAFO0050	Yes	01330	ODOR, ATMOSPHERIC (SEVERITY)	12/12/69-08/13/73	3	5	
VAFO0433	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	08/13/73-08/13/73	0	1	
VAFO0434	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	05/23/73-10/31/84	11	34	
VAFO0031	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	11/05/73-07/09/74	0	2	
VAFO0032	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/25/50-08/23/73	23	14	
VAFO0045	Yes	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/07/74-10/03/74	0	3	
VAFO0050	Yes	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/25/26-09/20/73	46	26	
VAFO0433	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/25/50-09/20/73	23	10	
VAFO0434	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	11/26/73-10/03/74	0	3	
VAFO0160	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/12/94-01/12/94	0	1	
VAFO0163	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/31/94-01/31/94	0	1	
VAFO0167	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/12/94-01/31/94	0	2	
VAFO0189	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/31/94-01/31/94	0	1	
VAFO0200	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/31/94-01/31/94	0	1	
VAFO0201	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/12/94-01/12/94	0	1	
VAFO0005	Yes	03910	INVALID PARAMETER	04/22/81-04/22/81	0	1	
VAFO0061	No	22703	URANIUM, NATURAL, DISSOLVED	07/06/77-07/06/77	0	1	
VAFO0244	No	22703	URANIUM, NATURAL, DISSOLVED	09/09/98-09/09/98	0	1	
VAFO0284	No	22703	URANIUM, NATURAL, DISSOLVED	09/09/98-09/09/98	0	1	
VAFO0397	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/77-06/28/77	0	1	
VAFO0446	No	22703	URANIUM, NATURAL, DISSOLVED	06/27/77-06/27/77	0	1	
VAFO0459	No	22703	URANIUM, NATURAL, DISSOLVED	06/27/77-06/27/77	0	1	
VAFO0460	No	22703	URANIUM, NATURAL, DISSOLVED	06/27/77-06/27/77	0	1	
VAFO0117	No	30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0117	No	30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	11/18/86-11/18/86	0	1	
VAFO0117	No	30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	11/18/86-11/18/86	0	1	
VAFO0421	No	30380	BUTACHLOR UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	30381	CHLOROBENZILATE UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	30382	TRIPHENYL PHOSPHATE UG/KG	06/11/86-06/11/86	0	2	
VAFO0094	No	30385	BUTACHLOR MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	30386	CHLORBENZILATE MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	30387	TRIPHENYL PHOSPHATE MG/KG	06/11/86-06/11/86	0	4	
VAFO0031	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/75-10/09/75	0	2	
VAFO0045	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/02/75-04/02/75	0	1	
VAFO0115	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/09/71-10/12/73	1	3	
VAFO0123	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/09/71-10/12/73	1	3	
VAFO0155	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/21/70-10/04/73	3	6	
VAFO0156	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	0	1	
VAFO0232	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/12/69-10/01/73	3	4	
VAFO0233	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/05/70-09/27/71	1	4	
VAFO0316	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	0	1	
VAFO0324	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/29/70-09/28/71	0	2	
VAFO0325	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/13/69-09/28/77	7	7	
VAFO0346	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/11/69-10/01/73	3	6	
VAFO0406	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	0	1	
VAFO0420	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/12/69-10/02/73	3	6	
VAFO0428	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/18/70-10/02/73	3	7	
VAFO0433	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/10/69-10/04/73	3	7	
VAFO0434	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/02/75-04/02/75	0	1	
VAFO0440	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	0	1	
VAFO0447	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	0	1	
VAFO0450	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/22/69-10/02/73	3	6	
VAFO0454	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/10/69-10/04/73	3	6	
VAFO0458	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/22/69-10/02/73	3	6	
VAFO0011	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	06/18/81-09/19/95	14	10	
VAFO0074	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	06/18/81-06/20/88	7	9	
VAFO0100	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	11/09/71-06/20/88	16	6	
VAFO0106	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	09/03/70-06/20/88	17	13	
VAFO0132	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/18/70-06/09/88	18	25	
VAFO0133	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	04/16/79-06/09/88	9	10	
VAFO0220	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	06/18/81-06/21/88	7	9	
VAFO0269	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/27/81-06/09/88	7	9	
VAFO0278	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	02/23/71-06/20/88	17	10	
VAFO0442	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	04/16/79-06/09/88	9	10	
VAFO0444	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/11/70-06/09/88	18	18	
VAFO0031	No	31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/11/75-06/11/75	0	1	
VAFO0002	No	31613	FECAL COLIFORM,MEMBR FILTR,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0011	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	15	36	
VAFO0043	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0051	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0056	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0074	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	15	38	
VAFO0077	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0100	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	25	31	
VAFO0106	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	25	41	
VAFO0107	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0110	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/26/84-08/30/84	0	3	
VAFO0112	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0132	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	25	44	
VAFO0133	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	17	37	
VAFO0186	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0220	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	15	39	
VAFO0269	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/27/81-03/25/97	16	35	
VAFO0278	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	15	38	
VAFO0352	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	0	1	
VAFO0442	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	17	35	
VAFO0444	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	25	39	
VAFO0031	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/11/75-06/11/75	0	1	
VAFO0045	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/75-06/23/75	0	1	
VAFO0344	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/21/87-08/21/87	0	1	
VAFO0355	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/21/87-08/21/87	0	1	
VAFO0434	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/75-06/23/75	0	1	
VAFO0031	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	12	40	
VAFO0045	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	12	37	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0115	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/09/71-10/12/73	1	3	
VAFO0123	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/09/71-10/12/73	1	3	
VAFO0155	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-10/24/72	1	3	
VAFO0156	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	0	1	
VAFO0232	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/03/72-10/01/73	0	2	
VAFO0233	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-09/27/71	0	2	
VAFO0316	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	0	1	
VAFO0324	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/71-09/28/71	0	1	
VAFO0325	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/71-10/02/73	2	3	
VAFO0346	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/01/73	2	4	
VAFO0406	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	0	1	
VAFO0413	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/95-05/26/95	0	1	
VAFO0420	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/71-10/02/73	2	3	
VAFO0428	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	2	4	
VAFO0433	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/04/71-10/30/72	1	2	
VAFO0434	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	100	A
VAFO0440	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	0	1	
VAFO0443	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/95-05/26/95	0	1	
VAFO0447	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	0	1	
VAFO0449	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/25/95-05/25/95	0	1	
VAFO0450	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	2	3	
VAFO0454	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/71-10/30/72	1	3	
VAFO0458	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	2	3	
VAFO0002	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0011	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	15	36	
VAFO0031	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/09/75-08/07/78	2	6	
VAFO0043	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0045	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/75-08/09/78	3	5	
VAFO0051	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0056	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0074	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	15	37	
VAFO0077	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0100	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/09/71-03/17/97	25	31	
VAFO0106	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	26	41	
VAFO0107	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0110	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/06/84-08/30/84	0	2	
VAFO0112	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0132	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	27	51	
VAFO0133	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	17	37	
VAFO0186	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0220	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	15	39	
VAFO0269	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	16	35	
VAFO0278	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	26	39	
VAFO0352	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	0	1	
VAFO0434	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/75-08/08/78	3	6	
VAFO0442	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	17	35	
VAFO0444	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	27	43	
VAFO0031	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	03/27/75-03/27/75	0	1	
VAFO0045	Yes	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	04/02/75-04/02/75	0	1	
VAFO0344	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	08/21/87-08/21/87	0	1	
VAFO0355	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	08/21/87-08/21/87	0	1	
VAFO0434	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	04/02/75-04/02/75	0	1	
VAFO0115	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/09/71-10/12/73	1	3	
VAFO0123	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/09/71-10/12/73	1	3	
VAFO0155	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/21/70-10/04/73	3	6	
VAFO0156	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	0	1	
VAFO0232	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/12/69-10/01/73	3	4	
VAFO0233	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/05/70-09/27/71	1	4	
VAFO0316	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	0	1	
VAFO0324	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/29/70-09/28/71	0	2	
VAFO0325	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/13/69-10/02/73	3	6	
VAFO0346	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/11/69-10/01/73	3	6	
VAFO0406	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	0	1	
VAFO0420	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/12/69-10/02/73	3	6	
VAFO0428	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/18/70-10/02/73	3	7	
VAFO0433	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/10/69-10/04/73	3	7	
VAFO0440	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	0	1	
VAFO0447	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	0	1	
VAFO0450	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/69-10/02/73	3	6	
VAFO0454	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/10/69-10/04/73	3	6	
VAFO0458	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/69-10/02/73	3	6	
VAFO0005	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0159	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0203	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0318	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	32104	BROMOFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	32104	BROMOFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	32104	BROMOFORM,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	32104	BROMOFORM,WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0203	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0318	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0154	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/31/94	0	2	
VAFO0159	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0162	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/31/94-04/04/94	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0199	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	32106	CHLOROFORM,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0210	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-04/04/94	0	1	
VAFO0212	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0219	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-05/02/94	0	2	
VAFO0239	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0296	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0301	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0313	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0317	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	0	1	
VAFO0326	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	32106	CHLOROFORM,WHOLE WATER,UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0389	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0390	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0005	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-04/22/81	8	2	
VAFO0021	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	0	1	
VAFO0045	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	4	52	A
VAFO0090	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	0	1	
VAFO0140	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	0	1	
VAFO0147	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	0	1	
VAFO0153	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	0	1	
VAFO0159	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0160	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/12/94-01/12/94	0	1	
VAFO0163	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/31/94-01/31/94	0	1	
VAFO0167	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/12/94-01/31/94	0	2	
VAFO0189	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/31/94-01/31/94	0	1	
VAFO0200	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/31/94-01/31/94	0	1	
VAFO0201	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/12/94-01/12/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0207	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0248	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0259	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0265	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0282	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0319	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	0	1	
VAFO0005	Yes	32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0159	No	32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/23/81-04/23/81	0	1	
VAFO0203	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	08/24/84-04/29/85	0	2	
VAFO0207	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	03/12/81-03/12/81	0	1	
VAFO0212	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	0	1	
VAFO0239	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	0	1	
VAFO0240	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	0	1	
VAFO0318	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	07/05/85-07/05/85	0	1	
VAFO0389	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/23/81-04/23/81	0	1	
VAFO0203	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	08/24/84-04/29/85	0	2	
VAFO0207	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	03/12/81-03/12/81	0	1	
VAFO0212	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	0	1	
VAFO0239	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	0	1	
VAFO0240	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	0	1	
VAFO0318	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	07/05/85-07/05/85	0	1	
VAFO0389	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34200	ACENAPHTHYLENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34200	ACENAPHTHYLENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34200	ACENAPHTHYLENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34204	ACENAPHTHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34204	ACENAPHTHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34205	ACENAPHTHENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34205	ACENAPHTHENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34205	ACENAPHTHENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34208	ACENAPHTHENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34209	ACENAPHTHENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34209	ACENAPHTHENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34210	ACROLEIN TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34210	ACROLEIN TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34210	ACROLEIN TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34213	ACROLEIN DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34213	ACROLEIN DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34214	ACROLEIN WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34214	ACROLEIN WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34215	ACRYLONITRILE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34215	ACRYLONITRILE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34215	ACRYLONITRILE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34218	ACRYLONITRILE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34218	ACRYLONITRILE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34219	ACRYLONITRILE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34219	ACRYLONITRILE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34220	ANTHRACENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34220	ANTHRACENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34220	ANTHRACENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0009	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34223	ANTHRACENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34224	ANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34224	ANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34237	BENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34237	BENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34238	BENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34238	BENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34241	BENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34241	BENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34247	BENZO-A-PYRENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34247	BENZO-A-PYRENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34247	BENZO-A-PYRENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	34251	BENZO-A-PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34251	BENZO-A-PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34252	BERYLLIUM WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0094	No	34252	BERYLLIUM WET WGTTISMG/KG	06/11/86-06/11/86	0	4	
VAFO0159	No	34252	BERYLLIUM WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34257	B-BHC-BETA DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34257	B-BHC-BETA DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34258	B-BHC-BETA WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34258	B-BHC-BETA WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34290	BROMOFORM DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34290	BROMOFORM DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34291	BROMOFORM WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34291	BROMOFORM WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0012	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34300	CARBON TETRACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34300	CARBON TETRACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34301	CHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34301	CHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34301	CHLOROBENZENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34301	CHLOROBENZENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34301	CHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34301	CHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34304	CHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34304	CHLOROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34305	CHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34305	CHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0202	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0221	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34311	CHLOROETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34311	CHLOROETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34311	CHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0207	No	34311	CHLOROETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34314	CHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34314	CHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34315	CHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34315	CHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34318	CHLOROFORM DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34318	CHLOROFORM DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34319	CHLOROFORM WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34319	CHLOROFORM WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34320	CHRYSENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34320	CHRYSENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34320	CHRYSENE TOTWUG/L	03/12/81-03/12/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34323	CHRYSENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34324	CHRYSENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34324	CHRYSENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34326	CYANIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34326	CYANIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34331	DICHLOROBROMOMETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34331	DICHLOROBROMOMETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34336	DIETHYL PHTHALATE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34336	DIETHYL PHTHALATE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34336	DIETHYL PHTHALATE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34340	DIETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34340	DIETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34341	DIMETHYL PHTHALATE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34341	DIMETHYL PHTHALATE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34341	DIMETHYL PHTHALATE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34351	ENDOSULFAN SULFATE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34351	ENDOSULFAN SULFATE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34351	ENDOSULFAN SULFATE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0255	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0260	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0266	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0267	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0268	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0005	Yes	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34356	ENDOSULFAN, BETA TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34356	ENDOSULFAN, BETA TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34356	ENDOSULFAN, BETA TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34361	ENDOSULFAN, ALPHA TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34366	ENDRIN ALDEHYDE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34366	ENDRIN ALDEHYDE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34366	ENDRIN ALDEHYDE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34371	ETHYLBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34371	ETHYLBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34371	ETHYLBENZENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34371	ETHYLBENZENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34371	ETHYLBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0296	No	34371	ETHYLBENZENE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0301	No	34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0313	No	34371	ETHYLBENZENE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0317	No	34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0326	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	34371	ETHYLBENZENE TOTWUG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	34371	ETHYLBENZENE TOTWUG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	34371	ETHYLBENZENE TOTWUG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	34371	ETHYLBENZENE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	34371	ETHYLBENZENE TOTWUG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	34371	ETHYLBENZENE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	34371	ETHYLBENZENE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	34371	ETHYLBENZENE TOTWUG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	34371	ETHYLBENZENE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	34371	ETHYLBENZENE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	34371	ETHYLBENZENE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	34371	ETHYLBENZENE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	34371	ETHYLBENZENE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	34371	ETHYLBENZENE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0389	No	34371	ETHYLBENZENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0390	No	34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0393	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0005	Yes	34374	ETHYLBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34374	ETHYLBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34375	ETHYLBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34375	ETHYLBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34376	FLUORANTHENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34376	FLUORANTHENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34376	FLUORANTHENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34379	FLUORANTHENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34380	FLUORANTHENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34380	FLUORANTHENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34381	FLUORENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34381	FLUORENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34381	FLUORENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34384	FLUORENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34384	FLUORENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34384	FLUORENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34384	FLUORENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34384	FLUORENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34384	FLUORENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34384	FLUORENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34384	FLUORENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34384	FLUORENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34384	FLUORENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34384	FLUORENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34384	FLUORENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34384	FLUORENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34385	FLUORENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34385	FLUORENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0094	No	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	11/18/86-11/18/86	0	1	
VAFO0159	No	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34396	HEXACHLOROETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34396	HEXACHLOROETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34396	HEXACHLOROETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0022	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34400	HEXACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34400	HEXACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34408	ISOPHORONE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34408	ISOPHORONE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34408	ISOPHORONE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34411	ISOPHORONE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34412	ISOPHORONE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34412	ISOPHORONE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34413	METHYL BROMIDE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34413	METHYL BROMIDE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0203	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0207	No	34413	METHYL BROMIDE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34416	METHYL BROMIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34416	METHYL BROMIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34417	METHYL BROMIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34417	METHYL BROMIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34418	METHYL CHLORIDE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34418	METHYL CHLORIDE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34418	METHYL CHLORIDE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34421	METHYL CHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34421	METHYL CHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34422	METHYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34422	METHYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34423	METHYLENE CHLORIDE TOTWUG/L	03/12/81-03/12/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0212	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0296	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0301	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0313	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0317	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0326	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	34423	METHYLENE CHLORIDE TOTWUG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	34423	METHYLENE CHLORIDE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	34423	METHYLENE CHLORIDE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0389	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0390	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0005	Yes	34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34427	METHYLENE CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34427	METHYLENE CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0034	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34445	NAPHTHALENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34446	NAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34446	NAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34447	NITROBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34447	NITROBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34447	NITROBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34450	NITROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34451	NITROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34451	NITROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34452	PARACHLOROMETA CRESOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34461	PHENANTHRENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34461	PHENANTHRENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34461	PHENANTHRENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34464	PHENANTHRENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34465	PHENANTHRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34465	PHENANTHRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	34468	PHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34468	PHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34469	PYRENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34469	PYRENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34469	PYRENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34472	PYRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34472	PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34472	PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34472	PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34472	PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34472	PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34472	PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34472	PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34472	PYRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34472	PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34472	PYRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34472	PYRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34472	PYRENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34473	PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34473	PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34474	SILVER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34474	SILVER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34475	TETRACHLOROETHYLENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0154	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/31/94	0	2	
VAFO0159	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0162	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34475	TETRACHLOROETHYLENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0210	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0212	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0219	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-05/02/94	0	2	
VAFO0239	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0255	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0260	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0266	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0267	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0268	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0288	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0296	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0301	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0313	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0317	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0326	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0349	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	0	1	
VAFO0351	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-10/14/93	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0353	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0360	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	0	1	
VAFO0362	No	34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0369	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	0	1	
VAFO0371	No	34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0374	No	34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	0	1	
VAFO0377	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0389	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0390	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0005	Yes	34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34479	TETRACHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34479	TETRACHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34480	THALLIUM DRY WGTBOTMG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34480	THALLIUM DRY WGTBOTMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34483	TOLUENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34483	TOLUENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34484	TOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34484	TOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34495	VINYL CHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34495	VINYL CHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0154	No	34496	1,1-DICHLOROETHANE TOTWUG/L	01/12/94-01/31/94	0	2	
VAFO0159	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0162	No	34496	1,1-DICHLOROETHANE TOTWUG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	34496	1,1-DICHLOROETHANE TOTWUG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	34496	1,1-DICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	34496	1,1-DICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	34496	1,1-DICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	34496	1,1-DICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0203	No	34496	1,1-DICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34496	1,1-DICHLOROETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0210	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0212	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0219	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-05/02/94	0	2	
VAFO0239	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0317	No	34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34496	1,1-DICHLOROETHANE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34500	1,1-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34500	1,1-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0154	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/12/94-01/31/94	0	2	
VAFO0159	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0162	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0210	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0212	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0219	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-05/02/94	0	2	
VAFO0239	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0317	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34505	1,1-DICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34505	1,1-DICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0154	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/31/94	0	2	
VAFO0159	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0162	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0210	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0212	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0219	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-05/02/94	0	2	
VAFO0239	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0296	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0301	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	0	1	
VAFO0313	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/27/93-04/27/93	0	1	
VAFO0317	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0326	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0389	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0390	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	0	1	
VAFO0005	Yes	34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34510	1,1,1-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34510	1,1,1-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0159	No	34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34515	1,1,2-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34515	1,1,2-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34520	1,1,2,2-TETRACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34520	1,1,2,2-TETRACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0202	No	34531	1,2-DICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0221	No	34531	1,2-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34531	1,2-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34531	1,2-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34531	1,2-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34531	1,2-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34531	1,2-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34535	1,2-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34535	1,2-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0255	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0260	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0266	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0267	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0268	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0389	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34545	1,2-DICHLOROPROPANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34545	1,2-DICHLOROPROPANE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE, WET WT. MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE, WET WT. MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0094	No	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	11/18/86-11/18/86	0	1	
VAFO0159	No	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0202	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0203	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0212	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0248	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	0	1	
VAFO0259	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	0	1	
VAFO0265	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	0	1	
VAFO0282	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	0	1	
VAFO0389	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0248	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	0	1	
VAFO0255	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-09/03/96	0	2	
VAFO0260	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-09/03/96	0	2	
VAFO0266	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0267	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0268	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-09/03/96	0	2	
VAFO0389	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0084	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0207	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0005	Yes	34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34580	2-CHLOROETHYL VINYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34580	2-CHLOROETHYL VINYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34581	2-CHLORONAPHTHALENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34586	2-CHLOROPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34586	2-CHLOROPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34586	2-CHLOROPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34590	2-CHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34590	2-CHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34591	2-NITROPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34591	2-NITROPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34591	2-NITROPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34594	2-NITROPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34595	2-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34595	2-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0025	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34601	2,4-DICHLOROPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34606	2,4-DIMETHYLPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34611	2,4-DINITROTOLUENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34611	2,4-DINITROTOLUENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34611	2,4-DINITROTOLUENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34616	2,4-DINITROPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34616	2,4-DINITROPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34616	2,4-DINITROPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34620	2,4-DINITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34620	2,4-DINITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0034	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34626	2,6-DINITROTOLUENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34626	2,6-DINITROTOLUENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34626	2,6-DINITROTOLUENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34646	4-NITROPHENOL TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34646	4-NITROPHENOL TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34646	4-NITROPHENOL TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34649	4-NITROPHENOL DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34650	4-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34650	4-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	03/12/81-03/12/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0005	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0045	Yes	34664	PCB - 1221 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0109	No	34664	PCB - 1221 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0045	Yes	34667	PCB - 1232 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0109	No	34667	PCB - 1232 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0005	Yes	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	34668	DICHLORODIFUOROMETHANE TOTWUG/L	06/13/94-06/13/94	0	1	
VAFO0045	Yes	34669	PCB - 1248 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0109	No	34669	PCB - 1248 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0138	No	34669	PCB - 1248 WET WGTTISMG/KG	05/31/77-05/31/77	0	2	
VAFO0005	Yes	34670	PCB - 1260 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0045	Yes	34670	PCB - 1260 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0109	No	34670	PCB - 1260 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0159	No	34670	PCB - 1260 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34671	PCB - 1016 TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34671	PCB - 1016 TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34671	PCB - 1016 TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34674	PCB - 1016 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34674	PCB - 1016 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/01/87-08/08/95	7	6	
VAFO0109	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/01/87-08/08/95	7	5	
VAFO0157	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/11/90-09/11/90	0	1	
VAFO0159	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	04/23/81-04/23/81	0	1	
VAFO0227	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/15/93-10/22/93	0	3	
VAFO0005	Yes	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0045	Yes	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/01/87-10/01/87	0	1	
VAFO0109	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/01/87-10/01/87	0	1	
VAFO0159	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	04/23/81-04/23/81	0	1	
VAFO0159	No	34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34685	ENDRIN WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	34685	ENDRIN WET WGTTISMG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	34685	ENDRIN WET WGTTISMG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	34685	ENDRIN WET WGTTISMG/KG	10/01/87-08/08/95	7	6	
VAFO0094	No	34685	ENDRIN WET WGTTISMG/KG	06/11/86-06/11/86	0	4	
VAFO0109	No	34685	ENDRIN WET WGTTISMG/KG	10/01/87-08/08/95	7	5	
VAFO0117	No	34685	ENDRIN WET WGTTISMG/KG	11/18/86-11/18/86	0	1	
VAFO0157	No	34685	ENDRIN WET WGTTISMG/KG	09/11/90-09/11/90	0	1	
VAFO0159	No	34685	ENDRIN WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0227	No	34685	ENDRIN WET WGTTISMG/KG	09/15/93-10/22/93	0	3	
VAFO0005	Yes	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/01/87-08/08/95	7	6	
VAFO0094	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/11/86-06/11/86	0	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0109	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/01/87-08/08/95	7	5	
VAFO0117	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	11/18/86-11/18/86	0	1	
VAFO0157	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/11/90-09/11/90	0	1	
VAFO0159	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0227	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/15/93-10/22/93	0	3	
VAFO0005	Yes	34687	HEPTACHLOR WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	34687	HEPTACHLOR WET WGTTISMG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	34687	HEPTACHLOR WET WGTTISMG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	34687	HEPTACHLOR WET WGTTISMG/KG	10/01/87-08/08/95	7	6	
VAFO0094	No	34687	HEPTACHLOR WET WGTTISMG/KG	06/11/86-06/11/86	0	4	
VAFO0109	No	34687	HEPTACHLOR WET WGTTISMG/KG	10/01/87-08/08/95	7	5	
VAFO0117	No	34687	HEPTACHLOR WET WGTTISMG/KG	11/18/86-11/18/86	0	1	
VAFO0157	No	34687	HEPTACHLOR WET WGTTISMG/KG	09/11/90-09/11/90	0	1	
VAFO0159	No	34687	HEPTACHLOR WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0227	No	34687	HEPTACHLOR WET WGTTISMG/KG	09/15/93-10/22/93	0	3	
VAFO0005	Yes	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0117	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	11/18/86-11/18/86	0	1	
VAFO0159	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34689	PCB - 1242 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0045	Yes	34689	PCB - 1242 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0109	No	34689	PCB - 1242 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0159	No	34689	PCB - 1242 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34690	PCB - 1254 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0045	Yes	34690	PCB - 1254 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0109	No	34690	PCB - 1254 WET WGTTISMG/KG	08/08/95-08/08/95	0	1	
VAFO0138	No	34690	PCB - 1254 WET WGTTISMG/KG	05/31/77-05/31/77	0	2	
VAFO0159	No	34690	PCB - 1254 WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34691	TOXAPHENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34691	TOXAPHENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34692	TRICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34692	TRICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34693	VINYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34693	VINYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34696	NAPHTHALENE TOTWUG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34696	NAPHTHALENE TOTWUG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34696	NAPHTHALENE TOTWUG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	03/12/81-03/12/81	0	1	
VAFO0117	No	34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	11/18/86-11/18/86	0	1	
VAFO0042	Yes	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0044	Yes	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0102	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0103	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0104	No	34773	ODOR, AMBIENT WATER CODE	06/19/75-06/19/75	0	1	
VAFO0119	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0120	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0137	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0144	No	34773	ODOR, AMBIENT WATER CODE	06/19/75-06/19/75	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0150	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0171	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0176	No	34773	ODOR, AMBIENT WATER CODE	06/19/75-06/19/75	0	1	
VAFO0209	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0251	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0300	No	34773	ODOR, AMBIENT WATER CODE	06/19/75-06/19/75	0	1	
VAFO0304	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0334	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0335	No	34773	ODOR, AMBIENT WATER CODE	03/01/76-03/01/76	0	1	
VAFO0341	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0364	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0366	No	34773	ODOR, AMBIENT WATER CODE	07/11/78-07/11/78	0	1	
VAFO0379	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0423	No	34773	ODOR, AMBIENT WATER CODE	08/19/74-08/19/74	0	1	
VAFO0076	Yes	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/06/92	20	6	
VAFO0096	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/08/92	20	6	
VAFO0193	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/09/92	20	6	
VAFO0237	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/05/93-10/05/93	0	1	
VAFO0310	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/03/72	0	1	
VAFO0391	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/03/72	0	1	
VAFO0438	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/07/93-10/07/93	0	1	
VAFO0448	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/06/94-10/06/94	0	1	
VAFO0453	No	34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/10/91-10/10/91	0	1	
VAFO0031	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/11/75-05/23/85	9	5	
VAFO0032	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/12/76-05/12/77	1	7	
VAFO0045	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/23/75-06/23/75	0	1	
VAFO0050	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/19/76-05/02/77	1	6	
VAFO0115	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/31/77-12/12/84	7	9	
VAFO0123	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/31/77-10/15/82	4	4	
VAFO0124	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/31/80-10/31/80	0	1	
VAFO0155	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-11/02/82	5	4	
VAFO0232	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-11/02/82	5	3	
VAFO0233	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/30/78-10/30/78	0	1	
VAFO0325	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/20/77-10/19/82	4	4	
VAFO0346	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-10/19/82	5	4	
VAFO0348	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/05/80-11/05/80	0	1	
VAFO0420	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/05/80-12/13/84	4	6	
VAFO0428	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-10/18/82	4	4	
VAFO0433	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/07/67-11/02/82	15	7	
VAFO0434	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/16/76-05/02/77	0	4	
VAFO0450	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-12/13/84	7	7	
VAFO0454	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/21/77-11/02/82	5	4	
VAFO0248	No	38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	0	1	
VAFO0259	No	38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	0	1	
VAFO0265	No	38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	0	1	
VAFO0282	No	38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	0	1	
VAFO0421	No	38823	ISOPROPALIN SEDDRYWGTUG/KG	06/11/86-06/11/86	0	2	
VAFO0094	No	38824	ISOPROPALIN TISWETWGTMG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	38824	ISOPROPALIN TISWETWGTMG/KG	11/18/86-11/18/86	0	1	
VAFO0005	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0007	Yes	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	11	
VAFO0019	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0005	Yes	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	04/23/81-04/23/81	0	1	
VAFO0159	No	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/03/92-09/03/92	0	3	
VAFO0033	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	

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Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0045	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	6	5	
VAFO0094	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	06/11/86-06/11/86	0	4	
VAFO0109	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	6	4	
VAFO0117	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	11/18/86-11/18/86	0	1	
VAFO0157	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0227	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0010	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/03/92-09/03/92	0	3	
VAFO0033	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	6	5	
VAFO0094	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	06/11/86-06/11/86	0	4	
VAFO0109	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	6	4	
VAFO0117	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	11/18/86-11/18/86	0	1	
VAFO0157	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0227	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0010	Yes	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/03/92-09/03/92	0	3	
VAFO0033	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/28/89-08/08/95	6	5	
VAFO0109	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/28/89-08/08/95	6	4	
VAFO0157	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/11/90-09/11/90	0	1	
VAFO0227	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/15/93-10/22/93	0	3	
VAFO0010	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/03/92-09/03/92	0	3	
VAFO0033	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/28/89-08/08/95	6	4	
VAFO0109	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/28/89-08/08/95	6	3	
VAFO0157	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/11/90-09/11/90	0	1	
VAFO0227	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/15/93-10/22/93	0	3	
VAFO0005	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/03/92-09/03/92	0	3	
VAFO0033	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/01/87-08/08/95	7	6	
VAFO0094	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/11/86-06/11/86	0	4	
VAFO0109	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/01/87-08/08/95	7	5	
VAFO0117	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	11/18/86-11/18/86	0	1	
VAFO0157	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/11/90-09/11/90	0	1	
VAFO0159	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	04/23/81-04/23/81	0	1	
VAFO0227	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/15/93-10/22/93	0	3	
VAFO0094	No	39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	06/11/86-06/11/86	0	4	
VAFO0005	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	04/22/81-04/22/81	0	1	
VAFO0159	No	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0159	No	39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	04/22/81-04/22/81	0	1	
VAFO0009	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39105	PERCENT FAT HEXANE EXTRACTION	09/03/92-09/03/92	0	3	
VAFO0033	No	39105	PERCENT FAT HEXANE EXTRACTION	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39105	PERCENT FAT HEXANE EXTRACTION	10/01/87-08/08/95	7	6	
VAFO0109	No	39105	PERCENT FAT HEXANE EXTRACTION	10/01/87-08/08/95	7	5	
VAFO0157	No	39105	PERCENT FAT HEXANE EXTRACTION	09/11/90-09/11/90	0	1	
VAFO0227	No	39105	PERCENT FAT HEXANE EXTRACTION	09/15/93-10/22/93	0	3	
VAFO0159	No	39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0022	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0095	Yes	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	0	2	
VAFO0159	No	39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0207	No	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	04/22/81-04/22/81	0	1	
VAFO0159	No	39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/23/81-04/23/81	0	1	
VAFO0202	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0203	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0207	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	03/12/81-03/12/81	0	1	
VAFO0212	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0221	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0239	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0389	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	06/13/94-06/13/94	0	1	
VAFO0005	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/22/81-04/22/81	0	1	
VAFO0154	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/31/94	0	2	
VAFO0159	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/23/81-04/23/81	0	1	
VAFO0162	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/24/84-04/29/85	0	2	
VAFO0203	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/24/84-04/29/85	0	2	
VAFO0207	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	03/12/81-03/12/81	0	1	
VAFO0210	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-04/04/94	0	1	
VAFO0212	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0219	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-05/02/94	0	2	
VAFO0239	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0248	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-05/14/96	0	1	
VAFO0255	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-09/03/96	0	2	
VAFO0260	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-09/03/96	0	2	
VAFO0266	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0267	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0268	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-09/03/96	0	2	
VAFO0288	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0296	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/27/93-04/27/93	0	1	
VAFO0301	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	0	1	
VAFO0313	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/27/93-04/27/93	0	1	
VAFO0317	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0318	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	0	1	
VAFO0326	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0349	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	0	1	
VAFO0351	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-10/14/93	0	1	
VAFO0360	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	0	1	
VAFO0362	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-10/14/93	0	2	
VAFO0369	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	0	1	
VAFO0371	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	0	1	
VAFO0374	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	0	1	
VAFO0377	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	0	1	
VAFO0389	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/13/94-06/13/94	0	1	
VAFO0390	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	0	1	
VAFO0007	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-09/06/79	0	1	
VAFO0017	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0022	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0115	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0155	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0232	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0346	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	12/05/86-10/28/94	7	2	
VAFO0450	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0005	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0207	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0248	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0259	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0265	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0282	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0005	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0159	No	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	09/03/92-09/03/92	0	3	
VAFO0033	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	6	
VAFO0109	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	5	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0157	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0159	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	0	1	
VAFO0227	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0033	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	5	
VAFO0109	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	4	
VAFO0157	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0227	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0005	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0207	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0159	No	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	09/03/92-09/03/92	0	3	
VAFO0033	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	6	
VAFO0109	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	5	
VAFO0157	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0159	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	0	1	
VAFO0227	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0117	No	39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0005	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0207	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0159	No	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/01/87-08/08/95	7	6	
VAFO0094	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	06/11/86-06/11/86	0	4	
VAFO0109	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/01/87-08/08/95	7	5	
VAFO0117	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	11/18/86-11/18/86	0	1	
VAFO0157	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/11/90-09/11/90	0	1	
VAFO0159	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	04/23/81-04/23/81	0	1	
VAFO0227	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/15/93-10/22/93	0	3	
VAFO0033	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	5	
VAFO0109	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	4	
VAFO0157	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0227	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0033	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/01/87-08/08/95	7	5	
VAFO0109	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/01/87-08/08/95	7	4	
VAFO0157	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/11/90-09/11/90	0	1	
VAFO0227	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/15/93-10/22/93	0	3	
VAFO0005	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0159	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0175	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0207	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0248	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0259	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0265	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0282	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0001	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0009	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0019	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0026	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	0	1	
VAFO0115	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0135	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0149	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0158	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0159	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0175	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0117	No	39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0005	Yes	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/22/81-04/22/81	0	1	
VAFO0159	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/23/81-04/23/81	0	1	
VAFO0207	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/22/81-04/22/81	0	1	
VAFO0159	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/23/81-04/23/81	0	1	
VAFO0207	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/12/81-03/12/81	0	1	
VAFO0248	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-05/14/96	0	1	
VAFO0255	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0256	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0258	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0259	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-09/03/96	0	2	
VAFO0260	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0265	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-09/03/96	0	2	
VAFO0266	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0267	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0268	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0274	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0275	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	0	1	
VAFO0282	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-09/03/96	0	2	
VAFO0117	No	39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0005	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-05/14/80	0	12	
VAFO0019	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-09/06/79	0	1	
VAFO0028	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-03/31/80	0	2	
VAFO0097	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/19/78-12/19/78	0	1	
VAFO0149	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/19/78-12/19/78	0	1	
VAFO0159	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0175	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-09/06/79	0	1	
VAFO0207	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0001	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	0	1	
VAFO0003	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0019	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	0	1	
VAFO0028	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0068	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0095	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	0	2	
VAFO0097	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-12/19/78	0	1	
VAFO0115	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/16/87-11/18/93	6	2	
VAFO0123	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/09/85-11/18/93	8	2	
VAFO0135	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	0	1	
VAFO0149	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/14/79	0	2	
VAFO0155	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/09/85-10/28/94	9	2	
VAFO0158	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	0	1	
VAFO0159	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	04/23/81-04/23/81	0	1	
VAFO0175	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	0	1	
VAFO0232	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/06/86-10/26/94	8	2	
VAFO0314	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	0	1	
VAFO0320	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	0	1	
VAFO0346	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/07/85-10/02/96	10	2	
VAFO0420	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/11/85-11/06/96	11	2	
VAFO0421	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0428	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/08/86-10/08/86	0	1	
VAFO0433	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/28/78-10/28/94	15	3	
VAFO0450	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/07/86-10/07/86	0	1	
VAFO0454	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/11/85-10/11/85	0	1	
VAFO0458	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/09/87-10/31/96	9	2	
VAFO0117	No	39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0117	No	39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0248	No	39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0259	No	39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0265	No	39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0282	No	39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0005	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-05/14/80	0	12	
VAFO0019	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-09/06/79	0	1	
VAFO0028	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-03/31/80	0	2	
VAFO0097	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/19/78-12/19/78	0	1	
VAFO0149	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/19/78-12/19/78	0	1	
VAFO0159	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/23/81-04/23/81	0	1	
VAFO0175	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-09/06/79	0	1	
VAFO0207	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	03/12/81-03/12/81	0	1	
VAFO0001	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	0	1	
VAFO0003	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0019	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	0	1	
VAFO0028	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	0	1	
VAFO0068	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	0	2	
VAFO0097	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-12/19/78	0	1	
VAFO0115	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/16/87-11/18/93	6	2	
VAFO0123	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/09/85-11/18/93	8	2	
VAFO0135	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	0	1	
VAFO0149	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/14/79	0	2	
VAFO0155	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/09/85-10/09/85	0	1	
VAFO0158	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	0	1	
VAFO0159	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/23/81-04/23/81	0	1	
VAFO0175	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	0	1	
VAFO0232	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/06/86-10/26/94	8	2	
VAFO0314	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	0	1	
VAFO0320	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	0	1	
VAFO0346	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/85-10/02/96	10	2	
VAFO0420	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/11/85-11/06/96	11	2	
VAFO0428	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/08/86-10/08/86	0	1	
VAFO0433	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/28/78-10/28/94	15	3	
VAFO0450	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/86-10/07/86	0	1	
VAFO0454	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/11/85-10/11/85	0	1	
VAFO0458	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/09/87-10/31/96	9	2	
VAFO0117	No	39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0117	No	39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0007	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0001	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0009	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0019	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	0	1	
VAFO0115	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0135	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0149	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0158	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0175	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0007	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0308	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	0	1	
VAFO0315	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	0	1	
VAFO0001	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0009	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0019	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0115	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0135	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0149	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0158	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0175	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/02/96-10/02/96	0	1	
VAFO0420	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0007	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0308	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	0	1	
VAFO0315	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	0	1	
VAFO0001	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0009	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0019	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	0	1	
VAFO0115	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0135	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0149	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0158	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0175	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0433	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0005	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0159	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0175	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0207	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0001	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0003	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/22/81-04/22/81	0	1	
VAFO0009	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0019	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/09/95-05/09/95	0	1	
VAFO0028	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0068	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/17/95-04/17/95	0	2	
VAFO0097	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-12/19/78	0	1	
VAFO0115	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/16/87-11/18/93	6	2	
VAFO0123	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-11/18/93	8	2	
VAFO0135	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0149	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/14/79	0	2	
VAFO0155	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-10/28/94	9	2	
VAFO0158	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0159	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/23/81-04/23/81	0	1	
VAFO0175	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0232	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/06/86-10/26/94	8	2	
VAFO0314	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0320	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0346	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/85-10/02/96	10	2	
VAFO0420	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-11/06/96	11	2	
VAFO0428	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/08/86-10/08/86	0	1	
VAFO0433	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-10/28/94	15	3	
VAFO0450	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/86-10/07/86	0	1	
VAFO0454	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-10/11/85	0	1	
VAFO0458	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/87-10/31/96	9	2	
VAFO0007	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0009	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0115	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0155	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0232	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0346	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/05/86-10/28/94	7	2	
VAFO0450	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0005	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0149	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0159	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0175	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0207	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0001	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0019	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	0	1	
VAFO0115	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0135	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0149	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0158	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0159	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0175	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0009	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0005	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0159	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0175	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0207	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0001	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0003	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/22/81-04/22/81	0	1	
VAFO0009	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0019	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/09/95-05/09/95	0	1	
VAFO0028	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0034	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0068	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/17/95-04/17/95	0	2	
VAFO0097	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-12/19/78	0	1	
VAFO0115	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/16/87-11/16/87	0	1	
VAFO0123	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-11/18/93	8	2	
VAFO0135	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0149	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/14/79	0	2	
VAFO0155	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-10/28/94	9	2	
VAFO0158	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0159	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/23/81-04/23/81	0	1	
VAFO0175	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0232	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/06/86-10/26/94	8	2	
VAFO0314	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0320	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0346	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/85-10/02/96	10	2	
VAFO0420	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-11/06/96	11	2	
VAFO0428	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/08/86-10/08/86	0	1	
VAFO0433	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-10/28/94	15	3	
VAFO0450	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/86-10/07/86	0	1	
VAFO0454	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-10/11/85	0	1	
VAFO0458	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/87-10/31/96	9	2	
VAFO0005	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/03/92-09/03/92	0	3	
VAFO0033	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	6	
VAFO0094	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/11/86-06/11/86	0	4	
VAFO0109	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	7	5	
VAFO0117	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	11/18/86-11/18/86	0	1	
VAFO0157	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	0	1	
VAFO0159	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	0	1	
VAFO0227	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	0	3	
VAFO0117	No	39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0117	No	39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0005	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0159	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0175	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0207	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0248	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0259	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0265	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0282	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0001	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0019	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	0	1	
VAFO0115	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0135	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0149	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	9	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0158	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0159	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0175	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0005	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0007	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0159	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0175	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0207	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0001	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0003	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	04/22/81-04/22/81	0	1	
VAFO0009	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0019	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/09/95-05/09/95	0	1	
VAFO0028	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0068	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	04/17/95-04/17/95	0	2	
VAFO0097	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-12/19/78	0	1	
VAFO0115	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/16/87-11/18/93	6	2	
VAFO0123	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/09/85-11/18/93	8	2	
VAFO0135	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0149	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-11/14/79	0	2	
VAFO0155	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/09/85-10/28/94	9	2	
VAFO0158	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0159	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	04/23/81-04/23/81	0	1	
VAFO0175	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0232	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/06/86-10/26/94	8	2	
VAFO0314	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0320	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0346	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/85-10/02/96	10	2	
VAFO0420	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/11/85-11/06/96	11	2	
VAFO0428	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/08/86-10/08/86	0	1	
VAFO0433	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/28/78-10/28/94	15	3	
VAFO0450	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/86-10/07/86	0	1	
VAFO0454	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/11/85-10/11/85	0	1	
VAFO0458	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/09/87-10/31/96	9	2	
VAFO0248	No	39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0259	No	39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0265	No	39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0282	No	39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	0	1	
VAFO0007	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0001	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0003	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0009	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	02/01/95-02/01/95	0	1	
VAFO0019	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/09/95-05/09/95	0	1	
VAFO0028	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0034	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/22/94-06/22/94	0	1	
VAFO0068	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0084	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	04/17/95-04/17/95	0	2	
VAFO0115	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/16/87-11/18/93	6	2	
VAFO0123	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/85-11/18/93	8	2	
VAFO0135	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0149	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0155	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/85-10/28/94	9	2	
VAFO0158	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/14/79-11/14/79	0	1	
VAFO0175	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0232	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/06/86-10/26/94	8	2	
VAFO0314	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/13/79-11/13/79	0	1	
VAFO0320	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/06/79-12/06/79	0	1	
VAFO0346	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/85-10/02/96	10	2	
VAFO0420	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/11/85-11/06/96	11	2	
VAFO0428	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/08/86-10/08/86	0	1	
VAFO0433	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/05/86-10/28/94	7	2	
VAFO0450	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/86-10/07/86	0	1	
VAFO0454	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/11/85-10/11/85	0	1	
VAFO0458	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/87-10/31/96	9	2	
VAFO0005	Yes	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0138	No	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	0	1	
VAFO0143	No	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	0	3	
VAFO0005	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	04/22/81-04/22/81	0	1	
VAFO0138	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	0	1	
VAFO0143	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	0	3	
VAFO0159	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	0	1	
VAFO0159	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	0	1	
VAFO0207	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	04/22/81-04/22/81	0	1	
VAFO0159	No	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	03/11/80-08/12/93	13	13	
VAFO0109	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	12/13/79-08/12/93	13	11	
VAFO0138	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/31/77-05/31/77	0	2	
VAFO0157	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/11/90-09/11/90	0	1	
VAFO0194	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	03/11/80-03/11/80	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0227	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/15/93-10/22/93	0	3	
VAFO0276	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	03/12/82-03/12/82	0	1	
VAFO0007	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	0	1	
VAFO0001	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0003	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0009	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0018	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0019	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0022	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0028	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0068	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0097	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-12/19/78	0	1	
VAFO0115	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/18/93-11/18/93	0	1	
VAFO0123	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-10/09/85	0	1	
VAFO0135	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0138	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/05/76-11/05/76	0	1	
VAFO0143	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/05/76-11/05/76	0	3	
VAFO0149	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-11/14/79	0	2	
VAFO0155	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0158	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/14/79-11/14/79	0	1	
VAFO0175	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0232	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0314	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/13/79-11/13/79	0	1	
VAFO0320	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/06/79-12/06/79	0	1	
VAFO0346	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/28/78-10/28/94	15	3	
VAFO0450	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0009	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0009	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0009	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0022	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0009	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0005	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	0	1	
VAFO0207	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	0	1	
VAFO0005	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0022	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0159	No	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	04/23/81-04/23/81	0	1	
VAFO0005	Yes	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	04/22/81-04/22/81	0	1	
VAFO0159	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	04/23/81-04/23/81	0	1	
VAFO0207	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	03/12/81-03/12/81	0	1	
VAFO0094	No	39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	06/11/86-06/11/86	0	4	
VAFO0005	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0022	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0159	No	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0007	Yes	39755	MIREX, TOTAL (UG/L)	09/06/79-05/14/80	0	12	
VAFO0019	No	39755	MIREX, TOTAL (UG/L)	09/06/79-09/06/79	0	1	
VAFO0028	No	39755	MIREX, TOTAL (UG/L)	12/19/78-12/19/78	0	1	
VAFO0050	Yes	39755	MIREX, TOTAL (UG/L)	09/06/79-03/31/80	0	2	
VAFO0097	No	39755	MIREX, TOTAL (UG/L)	12/19/78-12/19/78	0	1	
VAFO0149	No	39755	MIREX, TOTAL (UG/L)	12/19/78-12/19/78	0	1	
VAFO0175	No	39755	MIREX, TOTAL (UG/L)	09/06/79-09/06/79	0	1	
VAFO0009	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0115	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	11/16/87-11/18/93	6	2	
VAFO0123	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/09/85-11/18/93	8	2	
VAFO0155	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/09/85-10/28/94	9	2	
VAFO0232	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/06/86-10/26/94	8	2	
VAFO0346	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/07/85-10/02/96	10	2	
VAFO0420	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/11/85-11/06/96	11	2	
VAFO0428	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/08/86-10/08/86	0	1	
VAFO0433	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	12/05/86-10/28/94	7	2	
VAFO0450	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/07/86-10/07/86	0	1	
VAFO0454	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/11/85-10/11/85	0	1	
VAFO0458	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/09/87-10/31/96	9	2	
VAFO0009	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0012	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0018	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0005	Yes	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0010	Yes	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/01/87-08/08/95	7	6	
VAFO0109	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/01/87-08/08/95	7	5	
VAFO0117	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0157	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/11/90-09/11/90	0	1	
VAFO0159	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	0	1	
VAFO0227	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/15/93-10/22/93	0	3	
VAFO0009	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0012	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	0	1	
VAFO0014	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0017	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0018	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	0	1	
VAFO0022	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	0	1	
VAFO0084	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	0	2	
VAFO0042	Yes	45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0103	No	45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0120	No	45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0341	No	45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	0	1	
VAFO0031	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	04/12/73-08/28/84	11	24	
VAFO0042	Yes	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0044	Yes	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0045	Yes	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	04/17/73-11/17/81	8	26	
VAFO0046	Yes	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0102	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0103	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0104	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	06/19/75-06/19/75	0	1	
VAFO0105	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0119	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0120	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0121	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0137	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0144	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	06/19/75-06/19/75	0	1	
VAFO0145	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0150	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0171	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0176	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	06/19/75-06/19/75	0	1	
VAFO0209	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0218	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0222	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0251	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0257	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0300	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	06/19/75-06/19/75	0	1	
VAFO0304	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0327	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	06/19/75-06/19/75	0	1	
VAFO0334	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0335	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0341	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0363	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/01/76-03/01/76	0	1	
VAFO0364	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0366	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	07/11/78-07/11/78	0	1	
VAFO0379	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0423	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	08/19/74-08/19/74	0	1	
VAFO0434	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	04/23/73-10/31/84	11	36	
VAFO0050	Yes	46002	PHENOLS,DIRECT PHOTOMETRIC,NO DISTILLATION (UG/L)	02/17/70-02/17/70	0	1	
VAFO0031	No	46006	FAMILY PLANARIIDAE, FLATWORMS	03/27/75-10/16/86	11	5	
VAFO0045	Yes	46006	FAMILY PLANARIIDAE, FLATWORMS	04/02/75-10/05/87	12	4	
VAFO0434	No	46006	FAMILY PLANARIIDAE, FLATWORMS	04/02/75-10/05/87	12	8	
VAFO0045	Yes	46008	PHYLUM NEMATODA, NEMATODES	04/02/75-11/16/84	9	2	
VAFO0434	No	46008	PHYLUM NEMATODA, NEMATODES	05/25/82-05/25/82	0	1	
VAFO0045	Yes	46009	FAMILY TUBIFICIDAE, SEGMENTED WORMS	11/16/84-11/16/84	0	1	
VAFO0434	No	46009	FAMILY TUBIFICIDAE, SEGMENTED WORMS	01/09/86-01/09/86	0	1	
VAFO0031	No	46014	FAMILY HIRUDIDAE, LEECHES	03/27/75-07/06/83	8	4	
VAFO0045	Yes	46014	FAMILY HIRUDIDAE, LEECHES	10/22/82-07/22/83	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0434	No	46014	FAMILY HIRUDIDAE, LEECHES	02/24/81-08/29/86	5	6	
VAFO0031	No	46015	FAMILY ASELLIDAE, AQUATIC SOW BUG	03/27/75-10/02/87	12	7	
VAFO0045	Yes	46015	FAMILY ASELLIDAE, AQUATIC SOW BUG	08/13/73-10/05/87	14	4	
VAFO0434	No	46015	FAMILY ASELLIDAE, AQUATIC SOW BUG	09/20/73-01/09/86	12	4	
VAFO0031	No	46018	FAMILY GAMMARIDAE, SCUD	03/27/75-10/02/87	12	4	
VAFO0045	Yes	46018	FAMILY GAMMARIDAE, SCUD	09/20/73-10/05/87	14	6	
VAFO0434	No	46018	FAMILY GAMMARIDAE, SCUD	12/10/79-08/29/86	6	5	
VAFO0045	Yes	46019	FAMILY ASTACIDAE, ALL CRAYFISH	07/22/83-10/05/87	4	4	
VAFO0434	No	46019	FAMILY ASTACIDAE, ALL CRAYFISH	04/02/75-10/05/87	12	5	
VAFO0045	Yes	46022	FAMILY PELTOPERLIDAE, STONEFLY, ROACHLIKE	11/16/84-11/16/84	0	1	
VAFO0434	No	46022	FAMILY PELTOPERLIDAE, STONEFLY, ROACHLIKE	09/20/73-07/22/83	9	5	
VAFO0434	No	46023	FAM NEMOURIDAE, STONEFLY W/PARA & GLOSSAE EQUAL	12/10/79-12/10/79	0	1	
VAFO0434	No	46024	FAMILY PERLIDAE, STONEFLY W/GILLS ON THORAX	09/20/73-10/05/87	14	13	
VAFO0434	No	46025	FAMILY PERLODIDAE, STONEFLY W/GILLS ON SUBMENTUM	08/29/86-08/29/86	0	1	
VAFO0434	No	46027	FAMILY EPHEMERIDAE, MAYFLY W/ TUSKS, BURROWER	07/22/83-07/22/83	0	1	
VAFO0031	No	46028	FAMILY BAETIDAE, MAYFLY, HEAD NOT DEPRESSED	11/05/73-10/02/87	13	7	
VAFO0045	Yes	46028	FAMILY BAETIDAE, MAYFLY, HEAD NOT DEPRESSED	04/02/75-10/05/87	12	6	
VAFO0434	No	46028	FAMILY BAETIDAE, MAYFLY, HEAD NOT DEPRESSED	09/20/73-10/05/87	14	12	
VAFO0031	No	46029	FAMILY HEPTAGENIIDAE MAYFLY W/ DEPRESSED HEAD	03/17/75-10/02/87	12	5	
VAFO0045	Yes	46029	FAMILY HEPTAGENIIDAE MAYFLY W/ DEPRESSED HEAD	04/02/75-08/29/86	11	5	
VAFO0434	No	46029	FAMILY HEPTAGENIIDAE MAYFLY W/ DEPRESSED HEAD	09/20/73-10/05/87	14	13	
VAFO0434	No	46031	FAMILY LIBELLULIDAE, DRAGONFLY BOTTOM SPRAWLER	04/02/75-08/29/86	11	2	
VAFO0045	Yes	46032	FAMILY GOMPHIDAE, DRAGONFLY 4 SEGMENTED ANTENNAE	10/22/82-10/22/82	0	1	
VAFO0434	No	46032	FAMILY GOMPHIDAE, DRAGONFLY 4 SEGMENTED ANTENNAE	04/02/75-08/29/86	11	3	
VAFO0045	Yes	46036	FAM AGRIONIDAE DAMSELFLY 1ST ANT SEGMENT LONGEST	10/22/82-07/22/83	0	2	
VAFO0434	No	46036	FAM AGRIONIDAE DAMSELFLY 1ST ANT SEGMENT LONGEST	05/25/82-05/25/82	0	1	
VAFO0031	No	46037	FAM COENAGRIONIDAE 1ST ANTENNAE SEGMENT SHORT	03/17/75-10/02/87	12	4	
VAFO0045	Yes	46037	FAM COENAGRIONIDAE 1ST ANTENNAE SEGMENT SHORT	07/22/83-07/22/83	0	1	
VAFO0434	No	46037	FAM COENAGRIONIDAE 1ST ANTENNAE SEGMENT SHORT	01/09/86-01/09/86	0	1	
VAFO0045	Yes	46041	FAMILY GERRIDAE, WATER STRIDERS	10/05/87-10/05/87	0	1	
VAFO0434	No	46041	FAMILY GERRIDAE, WATER STRIDERS	05/25/82-10/05/87	5	2	
VAFO0031	No	46049	FAMILY SIALIDAE, ALDERFLY	03/17/75-10/02/87	12	4	
VAFO0045	Yes	46049	FAMILY SIALIDAE, ALDERFLY	10/22/82-07/22/83	0	2	
VAFO0434	No	46049	FAMILY SIALIDAE, ALDERFLY	05/27/81-07/22/83	2	4	
VAFO0031	No	46050	FAMILY CORYDALIDAE, HELLGRAMMITES	07/06/83-10/02/87	4	3	
VAFO0045	Yes	46050	FAMILY CORYDALIDAE, HELLGRAMMITES	10/22/82-10/05/87	4	5	
VAFO0434	No	46050	FAMILY CORYDALIDAE, HELLGRAMMITES	09/20/73-08/29/86	12	10	
VAFO0031	No	46051	FAMILY HYDROPTILIDAE, CADDISFLY, ABDOMEN WIDE	11/17/81-07/06/83	1	2	
VAFO0045	Yes	46051	FAMILY HYDROPTILIDAE, CADDISFLY, ABDOMEN WIDE	11/17/81-08/29/86	4	4	
VAFO0434	No	46051	FAMILY HYDROPTILIDAE, CADDISFLY, ABDOMEN WIDE	12/10/79-10/05/87	7	10	
VAFO0434	No	46052	FAMILY HELICOPSYCHIDAE, CADDISFLY SNAIL SHELL	10/05/87-10/05/87	0	1	
VAFO0031	No	46053	FAMILY HYDROPSYCHIDAE, CADDISFLY W/3 S PLATES	03/17/75-10/16/86	11	6	
VAFO0045	Yes	46053	FAMILY HYDROPSYCHIDAE, CADDISFLY W/3 S PLATES	08/13/73-10/05/87	14	9	
VAFO0434	No	46053	FAMILY HYDROPSYCHIDAE, CADDISFLY W/3 S PLATES	09/20/73-10/05/87	14	13	
VAFO0045	Yes	46054	FAM RHYACOPHILIDAE CADDISFLY;LS W/ DORSAL SHIELD	07/22/83-07/22/83	0	1	
VAFO0434	No	46054	FAM RHYACOPHILIDAE CADDISFLY;LS W/ DORSAL SHIELD	04/02/75-08/29/86	11	3	
VAFO0031	No	46055	FAMILY PHILOPOTAMIDAE, CADDISFLY LAB SOFT	03/17/75-07/06/83	8	3	
VAFO0045	Yes	46055	FAMILY PHILOPOTAMIDAE, CADDISFLY LAB SOFT	07/22/83-08/29/86	3	3	
VAFO0434	No	46055	FAMILY PHILOPOTAMIDAE, CADDISFLY LAB SOFT	09/20/73-10/05/87	14	11	
VAFO0031	No	46056	FAMILY PSYCHOMYIIDAE, LAB SCLEROTIZED	03/17/75-03/17/75	0	1	
VAFO0045	Yes	46056	FAMILY PSYCHOMYIIDAE, LAB SCLEROTIZED	08/29/86-08/29/86	0	1	
VAFO0434	No	46056	FAMILY PSYCHOMYIIDAE, LAB SCLEROTIZED	02/24/81-08/29/86	5	7	
VAFO0434	No	46058	FAMILY LEPTOCERIDAE, CADDISFLY; ANT. LONG	05/25/82-08/29/86	4	3	
VAFO0434	No	46063	FAMILY BRACHYCENTRIDAE, CADDISFLY PRO W/FURROW	04/02/75-08/29/86	11	2	
VAFO0434	No	46064	FAMILY LEPTIDOSTOMATIDAE, CADDISFLY	12/10/79-08/11/81	1	4	
VAFO0434	No	46066	FAMILY LIMNEPHILIDAE, CADDISFLY	04/02/75-10/05/87	12	3	
VAFO0031	No	46067	FAMILY PYRALIDIDAE, AQUATIC MOTHS	07/06/83-07/06/83	0	1	
VAFO0434	No	46067	FAMILY PYRALIDIDAE, AQUATIC MOTHS	07/22/83-08/29/86	3	2	
VAFO0434	No	46068	FAMILY GYRINIDAE, WHIRLYGIG BEETLES	07/22/83-07/22/83	0	1	
VAFO0045	Yes	46070	FAMILY DYTISCIDAE, PRED. DIVING BEETLES	07/22/83-07/22/83	0	1	
VAFO0434	No	46070	FAMILY DYTISCIDAE, PRED. DIVING BEETLES	05/25/82-07/22/83	1	2	
VAFO0031	No	46071	FAMILY PSEPHENIDAE, WATER PENNY BEETLES	03/17/75-10/02/87	12	5	
VAFO0045	Yes	46071	FAMILY PSEPHENIDAE, WATER PENNY BEETLES	10/22/82-08/29/86	3	3	
VAFO0434	No	46071	FAMILY PSEPHENIDAE, WATER PENNY BEETLES	09/20/73-10/05/87	14	12	
VAFO0434	No	46074	FAMILY DRYOPIDAE, BEETLE	01/09/86-01/09/86	0	1	
VAFO0031	No	46075	FAMILY ELMIDAE, BEETLE	03/17/75-10/16/86	11	6	
VAFO0045	Yes	46075	FAMILY ELMIDAE, BEETLE	09/20/73-10/05/87	14	7	
VAFO0434	No	46075	FAMILY ELMIDAE, BEETLE	09/20/73-10/05/87	14	12	
VAFO0031	No	46076	FAMILY HYDROPHILIDAE, SCAVENGER BEETLE	03/17/75-03/17/75	0	1	
VAFO0031	No	46078	FAMILY TIPULIDAE, CRANE FLY	03/17/75-07/06/83	8	2	
VAFO0045	Yes	46078	FAMILY TIPULIDAE, CRANE FLY	08/13/73-10/05/87	14	7	
VAFO0434	No	46078	FAMILY TIPULIDAE, CRANE FLY	09/20/73-10/05/87	14	13	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0031	No	46084	FAMILY SIMULIIDAE, BLACK FLIES	03/17/75-10/16/86	11	5	
VAFO0045	Yes	46084	FAMILY SIMULIIDAE, BLACK FLIES	04/02/75-08/29/86	11	5	
VAFO0434	No	46084	FAMILY SIMULIIDAE, BLACK FLIES	09/20/73-10/05/87	14	12	
VAFO0434	No	46085	FAMILY EMPIDIDAE	09/20/73-08/29/86	12	5	
VAFO0031	No	46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	11/05/73-10/02/87	13	7	
VAFO0045	Yes	46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	08/13/73-10/05/87	14	9	
VAFO0434	No	46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	09/20/73-10/05/87	14	13	
VAFO0434	No	46089	FAMILY RHAGIONIDAE, SNIPE FLIES	07/22/83-07/22/83	0	1	
VAFO0434	No	46090	FAMILY TABANIDAE, HORSEFLIES	05/25/82-08/29/86	4	3	
VAFO0031	No	46095	FAMILY PHYSIDAE, LUNG SNAILS	11/05/73-10/16/86	12	7	
VAFO0045	Yes	46095	FAMILY PHYSIDAE, LUNG SNAILS	04/02/75-08/29/86	11	3	
VAFO0434	No	46095	FAMILY PHYSIDAE, LUNG SNAILS	04/02/75-08/29/86	11	9	
VAFO0434	No	46096	FAMILY LYMNAEIDAE, POND SNAILS	04/02/75-11/19/81	6	2	
VAFO0031	No	46097	FAMILY PLANORBIDAE, ORB SNAILS	07/06/83-10/02/87	4	2	
VAFO0434	No	46097	FAMILY PLANORBIDAE, ORB SNAILS	04/02/75-08/29/86	11	2	
VAFO0031	No	46098	FAMILY ANCYLIDAE, LIMPETS	11/05/73-10/02/87	13	2	
VAFO0045	Yes	46098	FAMILY ANCYLIDAE, LIMPETS	04/02/75-10/05/87	12	6	
VAFO0434	No	46098	FAMILY ANCYLIDAE, LIMPETS	04/02/75-10/05/87	12	9	
VAFO0434	No	46099	FAMILY AMNICOLIDAE	04/02/75-04/02/75	0	1	
VAFO0434	No	46102	FAMILY PLEUROCERIDAE, RIVER SNAIL	10/05/87-10/05/87	0	1	
VAFO0031	No	46103	FAMILY UNIONIDAE	11/17/81-07/06/83	1	2	
VAFO0434	No	46103	FAMILY UNIONIDAE	05/25/82-05/25/82	0	1	
VAFO0031	No	46104	FAMILY SPHAERIIDAE,FINGERNAIL CLAMS	10/02/87-10/02/87	0	1	
VAFO0045	Yes	46104	FAMILY SPHAERIIDAE,FINGERNAIL CLAMS	08/29/86-08/29/86	0	1	
VAFO0434	No	46104	FAMILY SPHAERIIDAE,FINGERNAIL CLAMS	04/02/75-08/29/86	11	3	
VAFO0031	No	46106	CLASS OLIGOCHAETA, AQUATIC EARTH WORMS	03/27/75-07/06/83	8	4	
VAFO0045	Yes	46106	CLASS OLIGOCHAETA, AQUATIC EARTH WORMS	04/02/75-10/05/87	12	7	
VAFO0434	No	46106	CLASS OLIGOCHAETA, AQUATIC EARTH WORMS	04/02/75-10/05/87	12	10	
VAFO0434	No	46124	FAMILY TAENIOPTERGIDAE STONEFLY NO/FT2	01/09/86-01/09/86	0	1	
VAFO0434	No	46125	FAMILY CAPNIIDAE, STONEFLY NO/FT2	01/09/86-01/09/86	0	1	
VAFO0434	No	46130	FAMILY OLIGONEURIIDAE, MAYFLY NO/FT2	01/09/86-10/05/87	1	2	
VAFO0434	No	46138	FAMILY EPHEMERELLIDAE, MAYFLY NO/FT2	01/09/86-01/09/86	0	1	
VAFO0434	No	46141	FAMILY GLOSSOSOMAIDAE, CADDISFLY NO/FT2	10/05/87-10/05/87	0	1	
VAFO0031	No	46142	FAMILY POLYCENTROPIDAE, CADDISFLY NO/FT2	07/29/85-07/29/85	0	1	
VAFO0094	No	46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	11/18/86-11/18/86	0	1	
VAFO0010	Yes	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	07/28/89-08/08/95	6	5	
VAFO0109	No	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	07/28/89-08/08/95	6	4	
VAFO0157	No	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/11/90-09/11/90	0	1	
VAFO0227	No	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/15/93-10/22/93	0	3	
VAFO0296	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	04/27/93-04/27/93	0	1	
VAFO0313	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0407	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0050	Yes	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	03/25/70-02/17/72	1	3	
VAFO0008	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/07/89-07/08/98	8	16	
VAFO0013	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/28/89-09/28/89	0	1	
VAFO0016	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/21/89-07/08/98	8	22	
VAFO0020	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/24/89-08/04/98	8	5	
VAFO0023	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/01/89-07/23/98	8	2	
VAFO0024	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-07/14/98	8	12	
VAFO0027	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/93-07/23/98	4	5	
VAFO0030	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/18/89-08/04/98	8	4	
VAFO0031	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/17/82-02/11/85	2	4	
VAFO0035	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/05/97	7	15	
VAFO0038	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/03/94-01/03/94	0	1	
VAFO0039	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/14/89-07/20/98	8	7	
VAFO0040	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-09/21/89	0	2	
VAFO0054	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/14/98	8	11	
VAFO0055	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/10/93-08/07/98	4	4	
VAFO0065	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/24/89-07/23/98	8	7	
VAFO0066	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/27/91-12/27/91	0	1	
VAFO0069	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-07/14/98	8	16	
VAFO0071	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/93-07/20/98	4	5	
VAFO0073	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-07/08/98	7	17	
VAFO0075	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-12/14/93	4	2	
VAFO0081	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/14/89-07/06/98	8	13	
VAFO0083	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/20/93-08/07/98	4	4	
VAFO0085	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/03/89-07/17/98	8	15	
VAFO0087	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/14/89-07/12/98	8	8	
VAFO0091	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/16/93-12/11/96	2	3	
VAFO0093	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/06/93-07/06/98	5	13	
VAFO0098	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/07/89-07/13/98	8	14	
VAFO0111	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/90-11/22/93	3	4	
VAFO0116	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/90-11/22/93	3	3	
VAFO0125	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/19/93-05/19/93	0	1	
VAFO0130	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/22/92-01/22/92	0	1	
VAFO0131	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0168	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/06/87-08/06/87	0	1	
VAFO0169	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/22/92-01/22/92	0	1	
VAFO0174	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	0	2	
VAFO0196	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/08/84-11/08/84	0	1	
VAFO0197	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/90-11/22/93	3	5	
VAFO0204	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	0	2	
VAFO0243	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-11/29/93	3	4	
VAFO0254	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	0	2	
VAFO0280	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-11/29/93	3	5	
VAFO0333	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	0	2	
VAFO0400	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	03/21/91-03/21/91	0	1	
VAFO0401	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	03/21/91-03/21/91	0	1	
VAFO0403	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	03/21/91-03/21/91	0	1	
VAFO0415	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/06/87-08/06/87	0	1	
VAFO0434	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/30/84-07/30/84	0	1	
VAFO0441	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/06/87-08/06/87	0	1	
VAFO0061	No	50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/06/77-07/06/77	0	1	
VAFO0397	No	50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/28/77-06/28/77	0	1	
VAFO0446	No	50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/27/77-06/27/77	0	1	
VAFO0459	No	50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/27/77-06/27/77	0	1	
VAFO0460	No	50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/27/77-06/27/77	0	1	
VAFO0061	No	50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/06/77-07/06/77	0	1	
VAFO0397	No	50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/28/77-06/28/77	0	1	
VAFO0061	No	50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/06/77-07/06/77	0	1	
VAFO0008	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/15/93-07/08/98	5	6	
VAFO0011	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	15	35	
VAFO0016	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/13/93-07/08/98	5	10	
VAFO0020	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-08/04/98	3	2	
VAFO0023	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/23/98-07/23/98	0	1	
VAFO0024	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/29/95-07/14/98	3	3	
VAFO0027	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-07/23/98	3	3	
VAFO0030	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/04/98-08/04/98	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0035	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/15/95-12/04/96	1	5	
VAFO0039	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/95-07/20/98	3	3	
VAFO0054	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/13/93-07/14/98	5	5	
VAFO0055	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/96-08/07/98	1	2	
VAFO0065	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/95-07/23/98	3	3	
VAFO0069	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/08/95-07/14/98	3	4	
VAFO0071	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/95-07/20/98	3	3	
VAFO0073	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/06/93-07/08/98	5	5	
VAFO0074	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	15	37	
VAFO0081	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/15/93-07/06/98	5	4	
VAFO0083	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-08/07/98	3	3	
VAFO0085	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/06/93-07/17/98	5	5	
VAFO0087	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	05/12/93-07/12/98	5	5	
VAFO0092	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	12/11/96-12/11/96	0	1	
VAFO0093	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/06/93-07/06/98	5	4	
VAFO0098	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-07/13/98	3	5	
VAFO0100	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	11/09/71-03/17/97	25	29	
VAFO0106	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/03/70-03/17/97	26	40	
VAFO0110	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/26/84-08/30/84	0	3	
VAFO0132	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/18/70-03/18/97	27	48	
VAFO0133	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	15	36	
VAFO0197	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/11/93-03/11/93	0	1	
VAFO0220	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	15	38	
VAFO0243	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/11/93-03/11/93	0	1	
VAFO0269	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/27/81-03/25/97	16	35	
VAFO0278	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	02/23/71-03/17/97	26	40	
VAFO0280	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/90-02/19/93	2	2	
VAFO0442	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	15	34	
VAFO0444	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/11/70-03/18/97	27	47	
VAFO0009	Yes	50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	02/01/95-02/01/95	0	1	
VAFO0018	Yes	50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	02/01/95-02/01/95	0	1	
VAFO0048	Yes	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0076	Yes	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-10/07/92	20	5	
VAFO0088	Yes	61213	COLIFORM, GENERAL, TOTAL #/100ML	05/25/93-11/22/93	0	7	
VAFO0089	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0096	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-10/07/92	20	5	
VAFO0126	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0193	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-10/07/92	20	5	
VAFO0208	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0213	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0214	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0215	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0237	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/05/93-10/05/93	0	1	
VAFO0245	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0248	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	05/14/96-05/14/96	0	1	
VAFO0250	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0255	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0256	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0258	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0259	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	05/14/96-09/03/96	0	3	
VAFO0260	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0265	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	05/14/96-09/03/96	0	3	
VAFO0266	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0267	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0268	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0274	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0275	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0282	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	1	4	
VAFO0308	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	09/27/78-09/27/78	0	1	
VAFO0310	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-09/27/78	5	2	
VAFO0315	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	09/27/78-09/27/78	0	1	
VAFO0388	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0391	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-09/27/78	5	2	
VAFO0395	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0401	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0403	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0404	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0409	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0412	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0424	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-06/24/93	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0435	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0438	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/07/93-10/07/93	0	1	
VAFO0453	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/10/91-10/10/91	0	1	
VAFO0457	No	61213	COLIFORM, GENERAL, TOTAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0044	Yes	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0048	Yes	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0076	Yes	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-10/07/92	20	6	
VAFO0088	Yes	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/25/93-11/22/93	0	7	
VAFO0089	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0096	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-10/07/92	20	6	
VAFO0102	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0119	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0126	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0137	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0171	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0193	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-10/07/92	20	6	
VAFO0208	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0209	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0213	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0214	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0215	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0237	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/05/93-10/05/93	0	1	
VAFO0245	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0248	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/14/96-05/14/96	0	1	
VAFO0250	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0251	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0255	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0256	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0258	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0259	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/14/96-09/03/96	0	3	
VAFO0260	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0265	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/14/96-09/03/96	0	3	
VAFO0266	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0267	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0268	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0274	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0275	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0282	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	1	4	
VAFO0310	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-09/27/78	5	2	
VAFO0334	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0366	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0388	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0391	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-09/27/78	5	2	
VAFO0395	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0401	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0403	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0404	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0409	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0412	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0424	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0435	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0438	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/07/93-10/07/93	0	1	
VAFO0453	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/10/91-10/10/91	0	1	
VAFO0457	No	61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0008	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/05/93-07/10/97	3	4	
VAFO0015	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	02/21/92-02/21/92	0	1	
VAFO0016	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	02/18/92-07/15/97	5	7	
VAFO0020	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	07/16/97-07/16/97	0	1	
VAFO0024	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	07/28/93-07/15/97	3	5	
VAFO0027	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/12/93-07/18/97	3	2	
VAFO0030	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/10/93-08/10/93	0	1	
VAFO0035	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	02/21/92-07/05/97	5	7	
VAFO0037	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	11/13/90-01/31/92	1	11	
VAFO0039	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/12/93-07/15/97	3	2	
VAFO0041	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-09/25/91	0	1	
VAFO0044	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0048	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0053	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-07/23/91	0	1	
VAFO0054	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	04/13/93-07/15/97	4	2	
VAFO0055	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/10/93-07/18/97	3	2	
VAFO0065	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/10/93-07/18/97	3	2	
VAFO0066	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-09/25/91	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0069	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/04/93-08/08/96	3	3	
VAFO0071	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	08/12/93-07/10/97	3	3	
VAFO0073	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-12/09/96	5	8	
VAFO0075	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-09/25/91	0	1	
VAFO0076	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-10/07/92	20	6	
VAFO0081	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	09/11/91-07/10/97	5	7	
VAFO0083	No	61215	FECAL COLIFORM, GENERAL #/100ML	08/21/96-08/21/96	0	1	
VAFO0085	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	04/06/93-07/09/97	4	6	
VAFO0087	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-07/09/97	5	6	
VAFO0088	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	05/25/93-11/22/93	0	7	
VAFO0089	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0092	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	12/11/96-12/11/96	0	1	
VAFO0093	Yes	61215	FECAL COLIFORM, GENERAL #/100ML	04/06/93-07/11/97	4	6	
VAFO0096	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-10/07/92	20	6	
VAFO0098	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/22/93-07/11/97	3	4	
VAFO0102	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0111	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-05/28/93	1	2	
VAFO0116	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-05/19/93	1	3	
VAFO0119	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0125	No	61215	FECAL COLIFORM, GENERAL #/100ML	05/19/93-05/19/93	0	1	
VAFO0126	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0130	No	61215	FECAL COLIFORM, GENERAL #/100ML	02/04/92-02/22/92	0	2	
VAFO0131	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/08/84-11/08/84	0	1	
VAFO0137	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0169	No	61215	FECAL COLIFORM, GENERAL #/100ML	02/04/92-02/22/92	0	2	
VAFO0171	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0174	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	0	2	
VAFO0193	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-10/07/92	20	6	
VAFO0196	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/08/84-11/08/84	0	1	
VAFO0197	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-05/19/93	1	3	
VAFO0204	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	0	2	
VAFO0208	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0209	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0213	No	61215	FECAL COLIFORM, GENERAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0214	No	61215	FECAL COLIFORM, GENERAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0215	No	61215	FECAL COLIFORM, GENERAL #/100ML	03/01/94-03/01/94	0	1	
VAFO0237	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/05/93-10/05/93	0	1	
VAFO0242	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	0	1	
VAFO0243	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-03/11/93	1	2	
VAFO0245	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0248	No	61215	FECAL COLIFORM, GENERAL #/100ML	05/14/96-05/14/96	0	1	
VAFO0250	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0251	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0254	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	0	2	
VAFO0255	No	61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0256	No	61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0258	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0259	No	61215	FECAL COLIFORM, GENERAL #/100ML	05/14/96-09/03/96	0	3	
VAFO0260	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0265	No	61215	FECAL COLIFORM, GENERAL #/100ML	05/14/96-11/07/96	0	4	
VAFO0266	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0267	No	61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	1	3	
VAFO0268	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0274	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0275	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	0	2	
VAFO0279	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/30/96-10/30/96	0	1	
VAFO0280	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-05/27/93	1	3	
VAFO0281	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	0	1	
VAFO0282	No	61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	1	4	
VAFO0290	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	0	1	
VAFO0295	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/30/96-10/30/96	0	1	
VAFO0306	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	0	1	
VAFO0307	No	61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	0	1	
VAFO0310	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-09/27/78	5	2	
VAFO0333	No	61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	0	2	
VAFO0334	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0349	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	0	1	
VAFO0360	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	0	1	
VAFO0366	No	61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	0	1	
VAFO0369	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	0	1	
VAFO0374	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	0	1	
VAFO0388	No	61215	FECAL COLIFORM, GENERAL #/100ML	06/14/94-06/14/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0391	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-09/27/78	5	2	
VAFO0395	No	61215	FECAL COLIFORM, GENERAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0400	No	61215	FECAL COLIFORM, GENERAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0401	No	61215	FECAL COLIFORM, GENERAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0403	No	61215	FECAL COLIFORM, GENERAL #/100ML	03/21/91-03/21/91	0	1	
VAFO0404	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	0	8	
VAFO0409	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0412	No	61215	FECAL COLIFORM, GENERAL #/100ML	06/14/94-06/14/94	0	1	
VAFO0424	No	61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-06/24/93	0	3	
VAFO0435	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0438	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/07/93-10/07/93	0	1	
VAFO0453	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/10/91-10/10/91	0	1	
VAFO0457	No	61215	FECAL COLIFORM, GENERAL #/100ML	10/06/94-10/06/94	0	1	
VAFO0009	Yes	61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	02/01/95-02/01/95	0	1	
VAFO0154	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/31/94	0	2	
VAFO0162	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/31/94-04/04/94	0	2	
VAFO0210	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-04/04/94	0	1	
VAFO0219	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-04/04/94	0	1	
VAFO0224	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-05/02/94	0	2	
VAFO0296	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/27/93-04/27/93	0	1	
VAFO0305	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0313	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	0	1	
VAFO0202	No	61290	BENZENE, TOTAL WATER UG/L	08/24/84-04/29/85	0	2	
VAFO0221	No	61290	BENZENE, TOTAL WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	61290	BENZENE, TOTAL WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	61290	BENZENE, TOTAL WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	61290	BENZENE, TOTAL WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	61290	BENZENE, TOTAL WATER UG/L	07/05/85-07/05/85	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0323	No	61290	BENZENE, TOTAL WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0154	No	61291	TOLUENE, TOTAL WATER UG/L	01/12/94-01/31/94	0	2	
VAFO0162	No	61291	TOLUENE, TOTAL WATER UG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	61291	TOLUENE, TOTAL WATER UG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	61291	TOLUENE, TOTAL WATER UG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	61291	TOLUENE, TOTAL WATER UG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	61291	TOLUENE, TOTAL WATER UG/L	01/31/94-04/04/94	0	2	
VAFO0202	No	61291	TOLUENE, TOTAL WATER UG/L	08/24/84-04/29/85	0	2	
VAFO0210	No	61291	TOLUENE, TOTAL WATER UG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	61291	TOLUENE, TOTAL WATER UG/L	04/04/94-04/04/94	0	1	
VAFO0219	No	61291	TOLUENE, TOTAL WATER UG/L	04/04/94-04/04/94	0	1	
VAFO0221	No	61291	TOLUENE, TOTAL WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0224	No	61291	TOLUENE, TOTAL WATER UG/L	04/04/94-05/02/94	0	2	
VAFO0288	No	61291	TOLUENE, TOTAL WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	61291	TOLUENE, TOTAL WATER UG/L	04/29/85-04/29/85	0	1	
VAFO0305	No	61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	0	1	
VAFO0317	No	61291	TOLUENE, TOTAL WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	61291	TOLUENE, TOTAL WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	61291	TOLUENE, TOTAL WATER UG/L	07/05/85-07/05/85	0	1	
VAFO0076	Yes	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/03/72-10/06/92	20	6	
VAFO0096	No	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/03/72-10/08/92	20	6	
VAFO0193	No	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/03/72-10/09/92	20	6	
VAFO0237	No	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/05/93-10/05/93	0	1	
VAFO0438	No	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/07/93-10/07/93	0	1	
VAFO0448	No	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/06/94-10/06/94	0	1	
VAFO0453	No	61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/10/91-10/10/91	0	1	
VAFO0076	Yes	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-10/06/92	20	6	
VAFO0096	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-10/08/92	20	6	
VAFO0193	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-10/09/92	20	6	
VAFO0237	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/05/93-10/05/93	0	1	
VAFO0310	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-09/27/78	5	2	
VAFO0391	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-09/27/78	5	2	
VAFO0438	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/07/93-10/07/93	0	1	
VAFO0448	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/06/94-10/06/94	0	1	
VAFO0453	No	61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/10/91-10/10/91	0	1	
VAFO0009	Yes	61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0014	Yes	61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0009	Yes	61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	
VAFO0012	Yes	61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0014	Yes	61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0018	Yes	61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	0	1	
VAFO0076	Yes	70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	09/28/89-09/28/89	0	1	
VAFO0096	No	70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	09/28/89-09/28/89	0	1	
VAFO0193	No	70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	09/28/89-09/28/89	0	1	
VAFO0011	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	15	36	
VAFO0074	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	15	38	
VAFO0100	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/09/83-03/17/97	13	28	
VAFO0106	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	15	38	
VAFO0110	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/84-08/30/84	0	3	
VAFO0132	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	15	34	
VAFO0133	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	15	36	
VAFO0220	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	15	39	
VAFO0269	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	01/27/81-03/25/97	16	35	
VAFO0278	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	15	39	
VAFO0442	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	15	34	
VAFO0444	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	15	34	
VAFO0011	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	15	35	
VAFO0019	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/11/69-10/12/71	2	19	
VAFO0032	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-11/21/56	6	3	
VAFO0050	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/26-04/25/68	41	6	
VAFO0067	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/84-08/22/84	0	1	
VAFO0074	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	15	38	
VAFO0100	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	25	30	
VAFO0106	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	25	40	
VAFO0110	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/84-08/30/84	0	3	
VAFO0114	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/11/75-11/11/75	0	1	
VAFO0115	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/09/85	10	19	
VAFO0123	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-11/16/87	13	10	
VAFO0124	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/29/76-10/31/80	4	2	
VAFO0132	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/18/70-03/18/97	27	49	
VAFO0133	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	17	37	
VAFO0141	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/30/74-10/30/74	0	1	
VAFO0155	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/25/74-10/13/87	12	12	
VAFO0173	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/15/69-04/15/70	0	3	
VAFO0185	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/10/84-10/10/84	0	1	
VAFO0190	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/83-10/21/83	0	1	
VAFO0203	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	0	1	
VAFO0212	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	0	1	
VAFO0216	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/83-10/21/83	0	1	
VAFO0220	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	15	39	
VAFO0232	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/13/87	19	12	
VAFO0233	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/30/78-10/30/78	0	1	
VAFO0239	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	0	1	
VAFO0240	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	0	1	
VAFO0269	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/27/81-03/25/97	16	35	
VAFO0278	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/23/71-03/17/97	26	40	
VAFO0324	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/26/76-10/26/76	0	1	
VAFO0325	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-10/19/82	7	6	
VAFO0329	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/84-10/12/84	0	1	
VAFO0339	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/83-09/02/87	3	12	
VAFO0346	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/87	12	13	
VAFO0348	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/05/80	0	1	
VAFO0357	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	0	1	
VAFO0370	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	0	1	
VAFO0376	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	0	1	
VAFO0378	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/84-10/11/84	0	1	
VAFO0381	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	0	1	
VAFO0385	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/84-10/11/84	0	1	
VAFO0392	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/84-10/11/84	0	1	
VAFO0396	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/85-03/13/85	0	1	
VAFO0411	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/84-10/11/84	0	2	
VAFO0413	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/26/95-05/26/95	0	1	
VAFO0414	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/15/69-04/15/70	1	5	
VAFO0420	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-11/13/87	13	20	
VAFO0426	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/08/65-04/08/65	0	1	
VAFO0428	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/87	12	12	
VAFO0433	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-10/14/87	37	34	S
VAFO0436	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-04/14/68	0	1	
VAFO0437	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-07/15/68	0	4	
VAFO0442	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	17	35	
VAFO0443	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/26/95-05/26/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0444	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/70-03/18/97	27	48	
VAFO0445	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-04/14/68	0	1	
VAFO0449	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/95-05/25/95	0	1	
VAFO0450	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/09/87	19	22	
VAFO0454	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/25/74-10/14/87	12	13	
VAFO0455	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-07/15/68	0	10	
VAFO0458	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/85	10	5	
VAFO0461	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-04/14/68	0	1	
VAFO0019	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/09/69-10/12/71	2	2	
VAFO0032	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/25/50-06/13/50	0	2	
VAFO0050	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/26-04/25/68	41	7	
VAFO0114	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/11/75-11/11/75	0	1	
VAFO0115	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/12/73-10/27/78	5	5	
VAFO0123	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/12/73-10/27/78	5	5	
VAFO0124	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/29/76-10/29/76	0	1	
VAFO0141	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/74-10/30/74	0	1	
VAFO0155	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/73-10/31/78	5	6	
VAFO0232	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/71-10/19/77	5	5	
VAFO0233	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/78-10/30/78	0	1	
VAFO0324	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/26/76-10/26/76	0	1	
VAFO0325	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/31/78	5	5	
VAFO0346	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/01/73-10/30/78	5	6	
VAFO0420	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/26/76	3	4	
VAFO0426	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/08/65-04/08/65	0	1	
VAFO0428	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/30/78	5	6	
VAFO0433	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/25/50-10/25/74	24	5	
VAFO0450	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/19/77	4	5	
VAFO0454	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/73-11/01/78	5	6	
VAFO0458	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/21/76	3	4	
VAFO0019	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/11/69-10/12/71	2	19	
VAFO0115	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/15/82-10/15/82	0	1	
VAFO0123	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/15/82-10/15/82	0	1	
VAFO0155	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/02/82-11/02/82	0	1	
VAFO0232	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/14/68-11/02/82	14	3	
VAFO0325	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/19/82-10/19/82	0	1	
VAFO0346	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/19/82-10/19/82	0	1	
VAFO0420	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/19/82-10/19/82	0	1	
VAFO0428	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/18/82-10/18/82	0	1	
VAFO0433	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/12/69-05/09/72	3	21	
VAFO0450	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/14/68-05/28/68	0	2	
VAFO0454	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/02/82-11/02/82	0	1	
VAFO0019	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/11/69-10/12/71	2	19	
VAFO0032	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/21/56	6	3	
VAFO0050	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/25/26-04/25/68	41	7	
VAFO0115	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/12/73-10/15/82	9	8	
VAFO0123	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/12/73-10/15/82	9	7	
VAFO0141	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/30/74-10/30/74	0	1	
VAFO0155	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/73-11/02/82	9	9	
VAFO0232	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-11/02/82	14	10	
VAFO0325	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/19/82	9	7	
VAFO0346	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/73-10/19/82	9	9	
VAFO0420	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/19/82	9	7	
VAFO0428	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/18/82	9	9	
VAFO0433	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/02/82	32	30	S
VAFO0436	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-04/14/68	0	1	
VAFO0437	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-07/15/68	0	4	
VAFO0445	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-04/14/68	0	1	
VAFO0450	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-10/18/82	14	10	
VAFO0454	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/73-11/02/82	9	9	
VAFO0455	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-07/15/68	0	10	
VAFO0458	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/21/76	3	4	
VAFO0461	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-04/14/68	0	1	
VAFO0010	Yes	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/03/92-09/03/92	0	3	
VAFO0033	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/14/94-09/14/94	0	1	
VAFO0045	Yes	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	10/01/87-08/01/97	9	5	
VAFO0109	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	10/01/87-08/01/97	9	5	
VAFO0157	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/11/90-09/11/90	0	1	
VAFO0227	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/15/93-10/22/93	0	3	
VAFO0019	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/07/71-02/02/73	1	11	
VAFO0019	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/07/71-11/14/72	1	8	
VAFO0019	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	10/10/71-11/14/72	1	3	
VAFO0019	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/07/71-02/02/73	1	12	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0019	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/07/71-02/02/73	1	12	
VAFO0019	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/07/71-02/02/73	1	12	
VAFO0019	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/07/71-02/02/73	1	12	
VAFO0019	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/12/71-03/03/72	0	2	
VAFO0114	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/11/75-11/11/75	0	1	
VAFO0115	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/09/71-03/20/84	12	10	
VAFO0123	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/09/71-10/16/81	9	8	
VAFO0124	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/29/76-10/31/80	4	2	
VAFO0155	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/21/70-10/23/81	11	13	
VAFO0168	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/87-08/06/87	0	1	
VAFO0232	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/23/71-10/15/81	9	8	
VAFO0233	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/03/71-10/30/78	7	4	
VAFO0324	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/29/70-10/26/76	6	3	
VAFO0325	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/04/71-10/20/81	10	8	
VAFO0346	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/11/69-10/15/81	11	12	
VAFO0348	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/80-11/05/80	0	1	
VAFO0420	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/12/69-03/23/84	14	11	
VAFO0428	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/18/70-10/15/81	11	13	
VAFO0433	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/67-10/21/81	14	13	
VAFO0450	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/03/71-03/23/84	12	10	
VAFO0454	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/69-10/21/81	11	12	
VAFO0458	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/22/69-10/21/76	6	9	
VAFO0031	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/23/87	10	40	
VAFO0045	Yes	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/17/87	10	41	
VAFO0104	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0144	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0177	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0180	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0183	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0198	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	0	1	
VAFO0327	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/19/75-06/19/75	0	1	
VAFO0434	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	10	98	A
VAFO0117	No	70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	11/18/86-11/18/86	0	1	
VAFO0115	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/31/80-10/31/80	0	1	
VAFO0123	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/05/79-11/05/79	0	1	
VAFO0155	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/10/80-11/10/80	0	1	
VAFO0232	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/29/79-10/30/80	1	2	
VAFO0325	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/09/79-11/09/79	0	1	
VAFO0346	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/29/79-10/29/80	1	2	
VAFO0420	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/05/80-11/05/80	0	1	
VAFO0428	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/05/79-10/30/80	0	2	
VAFO0433	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/09/79-11/06/80	0	2	
VAFO0450	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/30/80-10/30/80	0	1	
VAFO0454	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/09/79-11/06/80	0	2	
VAFO0458	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/01/79-11/01/79	0	1	
VAFO0115	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/16/81-10/15/82	0	2	
VAFO0123	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/16/81-10/15/82	0	2	
VAFO0141	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/30/74-10/30/74	0	1	
VAFO0155	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/23/81-11/02/82	1	2	
VAFO0232	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/15/81-11/02/82	1	2	
VAFO0325	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/20/81-10/19/82	0	2	
VAFO0346	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/15/81-10/19/82	1	2	
VAFO0420	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/20/81-10/19/82	0	2	
VAFO0428	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/15/81-10/18/82	1	2	
VAFO0433	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/21/81-11/02/82	1	2	
VAFO0450	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/16/81-10/18/82	1	2	
VAFO0454	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/21/81-11/02/82	1	2	
VAFO0008	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/07/89-07/08/98	8	16	
VAFO0013	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/28/89-09/28/89	0	1	
VAFO0015	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	02/21/92-02/21/92	0	1	
VAFO0016	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/21/89-07/08/98	8	21	
VAFO0020	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/24/89-08/04/98	8	5	
VAFO0023	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/01/89-07/23/98	8	2	
VAFO0024	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-07/14/98	8	12	
VAFO0027	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/12/93-07/23/98	4	5	
VAFO0030	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/18/89-08/04/98	8	4	
VAFO0035	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/05/97	7	13	
VAFO0038	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/03/94-01/03/94	0	1	
VAFO0039	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/14/89-07/20/98	8	7	
VAFO0040	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-09/21/89	0	2	
VAFO0054	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/14/98	8	11	
VAFO0055	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/10/93-08/07/98	4	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0057	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0058	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0059	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0060	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0062	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0063	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0064	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	0	1	
VAFO0065	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/24/89-07/23/98	8	7	
VAFO0066	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/28/91-12/27/91	0	2	
VAFO0069	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-07/14/98	8	22	
VAFO0071	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/12/93-07/20/98	4	5	
VAFO0073	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-07/08/98	8	23	
VAFO0075	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-12/14/93	4	3	
VAFO0081	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/14/89-07/06/98	8	14	
VAFO0083	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	12/20/93-08/07/98	4	4	
VAFO0085	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/89-07/17/98	8	16	
VAFO0087	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/14/89-07/12/98	8	8	
VAFO0091	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	12/16/93-12/11/96	2	3	
VAFO0093	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/06/93-07/06/98	5	13	
VAFO0098	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/07/89-07/13/98	8	14	
VAFO0111	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/13/90-11/22/93	3	11	
VAFO0116	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-11/22/93	3	10	
VAFO0125	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/19/93-05/19/93	0	1	
VAFO0130	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/09/92-02/04/92	0	3	
VAFO0169	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/09/92-02/04/92	0	3	
VAFO0197	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-11/22/93	3	11	
VAFO0243	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/14/90-11/29/93	3	10	
VAFO0280	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/14/90-11/29/93	3	11	
VAFO0019	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/11/69-08/12/71	2	26	
VAFO0032	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/21/56-11/21/56	0	1	
VAFO0050	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/25/26-07/08/68	41	8	
VAFO0115	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/16/81-10/15/82	0	2	
VAFO0123	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/16/81-10/15/82	0	2	
VAFO0141	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/30/74-10/30/74	0	1	
VAFO0155	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/23/81-11/02/82	1	2	
VAFO0232	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/12/67-10/15/81	13	5	
VAFO0325	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/20/81-10/19/82	0	2	
VAFO0346	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/15/81-10/19/82	1	2	
VAFO0420	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/19/82-10/19/82	0	1	
VAFO0426	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/08/65-04/08/65	0	1	
VAFO0428	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/15/81-10/18/82	1	2	
VAFO0433	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/29/56-11/02/82	26	29	
VAFO0436	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-04/14/68	0	2	
VAFO0437	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-07/15/68	0	5	
VAFO0439	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/15/68-09/20/68	0	2	
VAFO0445	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-04/14/68	0	2	
VAFO0450	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-10/18/82	14	5	
VAFO0451	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/26/68-02/26/68	0	1	
VAFO0454	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/02/82-11/02/82	0	1	
VAFO0455	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/68-07/15/68	0	10	
VAFO0461	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/68-04/14/68	0	1	
VAFO0008	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/07/89-07/08/98	8	16	
VAFO0013	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/28/89-09/28/89	0	1	
VAFO0015	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	02/21/92-02/21/92	0	1	
VAFO0016	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/21/89-07/08/98	8	23	
VAFO0020	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/24/89-08/04/98	8	5	
VAFO0023	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/01/89-07/23/98	8	2	
VAFO0024	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-07/14/98	8	12	
VAFO0027	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/12/93-07/23/98	4	5	
VAFO0030	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/18/89-08/04/98	8	4	
VAFO0035	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/05/97	7	16	
VAFO0037	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/25/90-02/22/92	1	17	
VAFO0038	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	01/03/94-01/03/94	0	1	
VAFO0039	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/14/89-07/20/98	8	7	
VAFO0040	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-09/21/89	0	3	
VAFO0041	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/25/91-09/25/91	0	1	
VAFO0053	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/14/91-07/23/91	0	2	
VAFO0054	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/14/98	8	12	
VAFO0055	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/10/93-08/07/98	4	4	
VAFO0057	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	
VAFO0058	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0059	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	
VAFO0060	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	
VAFO0062	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	
VAFO0063	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	
VAFO0064	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	0	1	
VAFO0065	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/24/89-07/23/98	8	7	
VAFO0066	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/28/91-12/27/91	0	3	
VAFO0069	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-07/14/98	8	24	
VAFO0071	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/12/93-07/20/98	4	5	
VAFO0073	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-07/08/98	8	27	
VAFO0075	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-12/14/93	4	4	
VAFO0081	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/14/89-07/06/98	8	14	
VAFO0083	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/20/93-08/07/98	4	4	
VAFO0085	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/03/89-07/17/98	8	16	
VAFO0087	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/14/89-07/12/98	8	10	
VAFO0091	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/28/89-09/28/89	0	1	
VAFO0092	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/16/93-12/11/96	2	3	
VAFO0093	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/06/93-07/06/98	5	14	
VAFO0098	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/07/89-07/13/98	8	14	
VAFO0111	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/13/90-11/22/93	3	17	
VAFO0116	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-11/22/93	3	16	
VAFO0125	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/19/93-05/19/93	0	1	
VAFO0129	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/12/91-12/12/91	0	1	
VAFO0130	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/20/91-02/22/92	0	6	
VAFO0169	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/13/91-02/22/92	0	6	
VAFO0179	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/31/90-05/31/90	0	1	
VAFO0197	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-11/22/93	3	17	
VAFO0243	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/14/90-11/29/93	3	16	
VAFO0280	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/04/90-11/29/93	3	16	
VAFO0115	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/16/81-10/15/82	0	2	
VAFO0123	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/16/81-10/15/82	0	2	
VAFO0141	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/30/74-10/30/74	0	1	
VAFO0155	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/23/81-11/02/82	1	2	
VAFO0232	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/15/81-10/15/81	0	1	
VAFO0325	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/20/81-10/19/82	0	2	
VAFO0346	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/15/81-10/19/82	1	2	
VAFO0420	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/19/82-10/19/82	0	1	
VAFO0428	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/15/81-10/18/82	1	2	
VAFO0433	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/02/82-11/02/82	0	1	
VAFO0450	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/16/81-10/18/82	1	2	
VAFO0454	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/02/82-11/02/82	0	1	
VAFO0005	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0021	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0090	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0115	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/31/80-10/09/85	4	4	
VAFO0123	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/79-10/21/83	3	3	
VAFO0140	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0147	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0153	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0155	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/14/79-10/20/83	3	4	
VAFO0190	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/21/83-10/21/83	0	1	
VAFO0216	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/21/83-10/21/83	0	1	
VAFO0232	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/29/79-10/08/85	5	4	
VAFO0319	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	0	1	
VAFO0325	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/09/79-10/20/81	1	2	
VAFO0339	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/21/83-10/21/83	0	1	
VAFO0346	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/29/79-10/07/85	5	5	
VAFO0420	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/80-10/11/85	4	4	
VAFO0428	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/79-10/07/85	5	5	
VAFO0433	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/09/79-10/10/85	5	4	
VAFO0450	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/30/80-10/08/85	4	4	
VAFO0454	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/09/79-10/11/85	5	5	
VAFO0458	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/01/79-10/08/85	5	2	
VAFO0115	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/29/76-10/16/81	4	5	
VAFO0123	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/31/77-10/16/81	3	4	
VAFO0155	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/76-10/23/81	5	6	
VAFO0232	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/01/73-10/15/81	8	6	
VAFO0325	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/20/77-10/20/81	4	3	
VAFO0346	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/76-10/15/81	4	6	
VAFO0420	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/26/76-10/20/81	4	3	
VAFO0428	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/73-10/15/81	8	7	
VAFO0433	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/09/79-10/21/81	1	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0450	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/21/76-10/16/81	4	4	
VAFO0454	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/27/76-10/21/81	4	6	
VAFO0458	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/21/76-11/01/79	3	2	
VAFO0028	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/19/78-12/19/78	0	1	
VAFO0045	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	4	54	A
VAFO0089	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	0	4	
VAFO0097	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/19/78-12/19/78	0	1	
VAFO0115	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/05/92	10	10	
VAFO0123	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/05/92	10	11	
VAFO0126	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	0	4	
VAFO0141	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/30/74-10/30/74	0	1	
VAFO0149	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/19/78-12/19/78	0	1	
VAFO0155	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/23/81-10/13/92	10	10	
VAFO0190	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/83-10/21/83	0	1	
VAFO0216	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/83-10/21/83	0	1	
VAFO0232	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/81-11/02/82	1	2	
VAFO0245	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	0	4	
VAFO0325	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/81-10/20/81	0	1	
VAFO0329	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/12/84-10/12/84	0	1	
VAFO0339	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/83-10/21/83	0	1	
VAFO0346	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/81-10/19/82	1	2	
VAFO0404	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	0	4	
VAFO0420	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/81-10/19/82	0	2	
VAFO0428	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/81-10/18/82	1	2	
VAFO0433	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/81-11/02/82	1	2	
VAFO0450	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/18/82	1	2	
VAFO0454	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/81-11/02/82	1	2	
VAFO0005	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	04/22/81-04/22/81	0	1	
VAFO0031	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/26/80-08/26/87	7	8	
VAFO0045	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	18	60	T,A
VAFO0048	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-11/22/93	0	8	
VAFO0088	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	05/25/93-11/22/93	0	7	
VAFO0089	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	1	18	
VAFO0123	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/05/79-11/05/79	0	1	
VAFO0126	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	1	18	
VAFO0142	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/07/91-09/18/91	0	2	
VAFO0155	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/14/79-11/14/79	0	1	
VAFO0159	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/23/81-04/23/81	0	1	
VAFO0160	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	0	1	
VAFO0163	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/31/94-01/31/94	0	1	
VAFO0167	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/31/94	0	2	
VAFO0189	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/31/94-01/31/94	0	1	
VAFO0200	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/31/94-01/31/94	0	1	
VAFO0201	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	0	1	
VAFO0207	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/12/81-03/12/81	0	1	
VAFO0208	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-06/24/93	0	3	
VAFO0213	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/01/94-03/01/94	0	1	
VAFO0214	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/01/94-03/01/94	0	1	
VAFO0215	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/01/94-03/01/94	0	1	
VAFO0232	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/29/79-10/29/79	0	1	
VAFO0238	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-05/09/95	0	1	
VAFO0242	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	0	1	
VAFO0245	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	1	18	
VAFO0248	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/14/96-12/30/98	2	3	
VAFO0250	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-06/24/93	0	3	
VAFO0255	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-01/07/98	2	5	
VAFO0256	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/23/95-09/03/96	1	3	
VAFO0258	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	0	2	
VAFO0259	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/14/96-09/03/96	0	3	
VAFO0260	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	0	2	
VAFO0265	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/14/96-01/07/98	1	5	
VAFO0266	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	0	2	
VAFO0267	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-09/03/96	1	4	
VAFO0268	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-01/07/98	1	4	
VAFO0274	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	0	2	
VAFO0275	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-12/30/98	2	4	
VAFO0279	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/30/96-10/30/96	0	1	
VAFO0281	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	0	1	
VAFO0282	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-01/07/98	2	6	
VAFO0287	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/04/98-12/30/98	0	2	
VAFO0290	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	0	1	
VAFO0295	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/30/96-10/30/96	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0306	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	0	1	
VAFO0307	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	0	1	
VAFO0308	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/04/72-09/27/78	5	2	
VAFO0315	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/04/72-09/27/78	5	2	
VAFO0325	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/09/79-11/09/79	0	1	
VAFO0330	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/30/98-12/30/98	0	1	
VAFO0343	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/07/98-12/30/98	0	2	
VAFO0346	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/29/79-10/29/79	0	1	
VAFO0349	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	0	1	
VAFO0350	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	0	1	
VAFO0360	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	0	1	
VAFO0361	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	0	1	
VAFO0369	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	0	1	
VAFO0374	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	0	1	
VAFO0388	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/14/94-06/14/94	0	1	
VAFO0395	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/14/94-06/14/94	0	1	
VAFO0404	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	1	18	
VAFO0412	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/14/94-06/14/94	0	1	
VAFO0424	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-06/24/93	0	3	
VAFO0428	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/05/79-11/05/79	0	1	
VAFO0433	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/09/79-11/09/79	0	1	
VAFO0434	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/80-08/13/87	6	7	
VAFO0452	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/26/91-03/06/96	4	3	
VAFO0454	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/09/79-11/09/79	0	1	
VAFO0458	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/01/79-11/01/79	0	1	
VAFO0045	Yes	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-08/17/89	0	2	
VAFO0109	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-07/28/89	0	1	
VAFO0157	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	09/11/90-09/11/90	0	1	
VAFO0001	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0003	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0005	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/22/81-04/22/81	0	1	
VAFO0017	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0019	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0022	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0025	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/08/95-05/08/95	0	1	
VAFO0026	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/09/95-05/09/95	0	1	
VAFO0028	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/19/78-11/15/79	0	2	
VAFO0034	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/22/94-06/22/94	0	1	
VAFO0068	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0079	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-11/13/79	0	2	
VAFO0084	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/23/94-06/23/94	0	1	
VAFO0095	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/17/95-04/17/95	0	2	
VAFO0097	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/19/78-12/19/78	0	1	
VAFO0115	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-11/18/93	14	2	
VAFO0123	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/18/93-11/18/93	0	1	
VAFO0135	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0149	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/19/78-11/14/79	0	2	
VAFO0155	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/28/94-10/28/94	0	1	
VAFO0158	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/14/79-11/14/79	0	1	
VAFO0159	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/23/81-04/23/81	0	1	
VAFO0175	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-12/06/79	0	2	
VAFO0229	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/09/73-07/09/73	0	1	
VAFO0232	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/26/94-10/26/94	0	1	
VAFO0314	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/13/79-11/13/79	0	1	
VAFO0320	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/06/79-12/06/79	0	1	
VAFO0346	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/02/96-10/02/96	0	1	
VAFO0420	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/06/96-11/06/96	0	1	
VAFO0421	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/11/86-06/11/86	0	2	
VAFO0433	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-10/28/94	15	2	
VAFO0458	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/31/96-10/31/96	0	1	
VAFO0005	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0033	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/14/94-09/14/94	0	1	
VAFO0045	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/12/93-08/01/97	3	3	
VAFO0094	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/11/86-06/11/86	0	4	
VAFO0109	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/12/93-08/01/97	3	3	
VAFO0159	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0227	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/15/93-10/22/93	0	3	
VAFO0045	Yes	71932	ZINC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-08/17/89	0	2	
VAFO0109	No	71932	ZINC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-07/28/89	0	1	
VAFO0229	No	71932	ZINC,TOTAL IN FISH,DRY WEIGHT BASIS	07/09/73-07/09/73	0	19	
VAFO0010	Yes	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	09/03/92-09/03/92	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0045	Yes	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/28/89-09/05/91	2	3	
VAFO0109	No	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/28/89-09/05/91	2	2	
VAFO0157	No	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	09/11/90-09/11/90	0	1	
VAFO0229	No	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/09/73-07/09/73	0	19	
VAFO0117	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	11/18/86-11/18/86	0	1	
VAFO0005	Yes	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0033	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/14/94-09/14/94	0	1	
VAFO0045	Yes	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0094	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/11/86-06/11/86	0	4	
VAFO0109	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0159	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0227	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/15/93-10/22/93	0	3	
VAFO0005	Yes	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0033	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/14/94-09/14/94	0	1	
VAFO0045	Yes	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0109	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0159	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0227	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/15/93-10/22/93	0	3	
VAFO0005	Yes	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0159	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0005	Yes	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0033	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/14/94-09/14/94	0	1	
VAFO0045	Yes	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0109	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0159	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0227	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/15/93-10/22/93	0	3	
VAFO0005	Yes	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0033	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/14/94-09/14/94	0	1	
VAFO0045	Yes	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0094	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/11/86-06/11/86	0	4	
VAFO0109	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/87-08/01/97	9	4	
VAFO0159	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	0	1	
VAFO0227	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/15/93-10/22/93	0	3	
VAFO0010	Yes	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/03/92-09/03/92	0	3	
VAFO0045	Yes	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	3	
VAFO0109	No	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	2	
VAFO0157	No	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/11/90-09/11/90	0	1	
VAFO0229	No	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/09/73-07/09/73	0	19	
VAFO0010	Yes	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	09/03/92-09/03/92	0	3	
VAFO0045	Yes	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	3	
VAFO0109	No	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	2	
VAFO0157	No	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	09/11/90-09/11/90	0	1	
VAFO0229	No	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/09/73-07/09/73	0	19	
VAFO0010	Yes	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/03/92-09/03/92	0	3	
VAFO0045	Yes	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	3	
VAFO0109	No	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	2	
VAFO0157	No	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/11/90-09/11/90	0	1	
VAFO0229	No	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/09/73-07/09/73	0	19	
VAFO0032	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	05/25/50-06/13/50	0	2	
VAFO0050	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/04/63-05/13/65	2	4	
VAFO0142	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/91-04/01/91	0	1	
VAFO0426	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/08/65-04/08/65	0	1	
VAFO0433	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	05/25/50-08/07/67	17	3	
VAFO0452	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/91-04/01/91	0	1	
VAFO0142	No	72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)	04/01/91-04/01/91	0	1	
VAFO0452	No	72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)	04/01/91-04/01/91	0	1	
VAFO0032	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	05/25/50-06/13/50	0	2	
VAFO0050	Yes	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	04/04/63-05/13/65	2	4	
VAFO0433	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	05/25/50-08/07/67	17	3	
VAFO0032	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-05/25/50	0	1	
VAFO0050	Yes	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	04/25/68-04/25/68	0	1	
VAFO0433	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-08/07/67	17	4	
VAFO0032	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-11/21/56	6	3	
VAFO0050	Yes	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	09/25/26-07/08/68	41	4	
VAFO0433	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-08/07/67	17	4	
VAFO0050	Yes	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	07/08/68-07/08/68	0	1	
VAFO0141	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	10/30/74-10/30/74	0	1	
VAFO0142	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	04/01/91-04/01/91	0	1	
VAFO0426	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	04/08/65-04/08/65	0	1	
VAFO0433	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	06/29/56-06/29/56	0	1	
VAFO0452	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	04/01/91-04/01/91	0	1	
VAFO0421	No	75039	TRICHLOROBENZENE,1,2,4 SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0421	No	75040	HEXACHLOROBUTADIENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75041	BHC,ALPHA- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75042	HEXACHLOROBENZENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75043	PENTACHLOROANISOLE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0009	Yes	75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0018	Yes	75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0421	No	75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75046	DDE,P,P'-(4,4'-DDE) SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75047	DIELDRIN SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0009	Yes	75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0018	Yes	75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	0	1	
VAFO0421	No	75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75050	ALACHLOR UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75051	DICHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75052	OCTACHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75054	DECACHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	75558	BIPHENYL SEDIMENT,DRY WGT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0389	No	76002	RADON 222,1 SIGMA PRC EST,TOTAL,WATER PC/L	06/13/94-06/13/94	0	1	
VAFO0094	No	76530	BIPHENYL TISSUE ,WET WGT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	76530	BIPHENYL TISSUE ,WET WGT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0296	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0313	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0154	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/12/94-01/31/94	0	2	
VAFO0162	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/31/94-04/04/94	0	2	
VAFO0210	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-04/04/94	0	1	
VAFO0219	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-04/04/94	0	1	
VAFO0224	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-05/02/94	0	2	
VAFO0305	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0311	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	0	1	
VAFO0389	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0389	No	77128	STYRENE WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0296	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0313	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0296	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0313	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0417	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	0	1	
VAFO0389	No	77652	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET*WHOLE WATER,UG/L	06/13/94-06/13/94	0	1	
VAFO0248	No	77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	0	1	
VAFO0259	No	77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	0	1	
VAFO0265	No	77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	0	1	
VAFO0282	No	77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	0	1	
VAFO0248	No	78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	0	1	
VAFO0259	No	78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	0	1	
VAFO0265	No	78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	0	1	
VAFO0282	No	78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	0	1	
VAFO0154	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/31/94	0	2	
VAFO0162	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/31/94-01/31/94	0	1	
VAFO0170	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-04/04/94	0	4	
VAFO0184	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/12/94	0	1	
VAFO0195	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/31/94-04/04/94	0	2	
VAFO0199	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/31/94-04/04/94	0	2	
VAFO0210	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-04/04/94	0	1	
VAFO0211	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-04/04/94	0	1	
VAFO0219	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-04/04/94	0	1	
VAFO0224	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-05/02/94	0	2	
VAFO0296	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/27/93-04/27/93	0	1	
VAFO0305	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	0	1	
VAFO0309	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	0	1	
VAFO0311	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	0	1	
VAFO0312	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	0	1	
VAFO0313	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	0	1	
VAFO0010	Yes	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	6	5	
VAFO0109	No	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	6	4	
VAFO0157	No	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/11/90-09/11/90	0	1	
VAFO0227	No	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/15/93-10/22/93	0	3	
VAFO0010	Yes	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	6	5	
VAFO0109	No	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	6	4	
VAFO0157	No	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/11/90-09/11/90	0	1	
VAFO0227	No	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/15/93-10/22/93	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0421	No	78657	NONACHLOR, TRANS, SEDIMENT, DRY WEIGHT, UG/KG	06/11/86-06/11/86	0	2	
VAFO0202	No	78733	ORGANICS, VOLATILE FRACTION MG/L	08/24/84-04/29/85	0	2	
VAFO0221	No	78733	ORGANICS, VOLATILE FRACTION MG/L	04/29/85-04/29/85	0	1	
VAFO0288	No	78733	ORGANICS, VOLATILE FRACTION MG/L	04/29/85-04/29/85	0	1	
VAFO0301	No	78733	ORGANICS, VOLATILE FRACTION MG/L	04/29/85-04/29/85	0	1	
VAFO0317	No	78733	ORGANICS, VOLATILE FRACTION MG/L	07/05/85-07/05/85	0	1	
VAFO0321	No	78733	ORGANICS, VOLATILE FRACTION MG/L	07/05/85-07/05/85	0	1	
VAFO0323	No	78733	ORGANICS, VOLATILE FRACTION MG/L	07/05/85-07/05/85	0	1	
VAFO0009	Yes	78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	0	1	
VAFO0018	Yes	78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	0	1	
VAFO0421	No	78875	MONOCHLOROBIPHENYLS TOTAL IN SED DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0094	No	78902	MONOCHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78903	DICHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78904	TRICHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78905	TETRACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78906	PENTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	78908	HEPTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78909	OCTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78911	DECACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	0	4	
VAFO0094	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	11/18/86-11/18/86	0	1	
VAFO0421	No	78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0094	No	79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	11/18/86-11/18/86	0	1	
VAFO0421	No	79785	TRICHLOROBENZENE,1,3,5- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79786	TRICHLOROBENZENE,1,2,3- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79787	TETRACHLOROBENZENE,1,2,4,5- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79789	TETRACHLOROBENZENE,1,2,3,4- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79790	PENTACHLOROBENZENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79791	DIPHENYL DISULFIDE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79792	CHLORPYRIFOS SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79793	OCTACHLOROSTYRENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79794	OXYCHLORDANE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79795	CHLORDANE, TRANS SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79796	CHLORDANE, CIS SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79797	NITROFEN SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79798	METHOXYCHLOR SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	79800	MIREX SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	0	2	
VAFO0007	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-09/06/79	0	1	
VAFO0019	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/70-09/06/79	8	57	
VAFO0050	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-09/06/79	0	1	
VAFO0155	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/70-10/04/71	0	3	
VAFO0175	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-09/06/79	0	1	
VAFO0232	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/67-10/03/72	4	12	
VAFO0233	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/05/70-09/27/71	1	4	
VAFO0324	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/29/70-09/28/71	0	2	
VAFO0325	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/19/70-05/04/71	1	3	
VAFO0346	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/03/71-10/03/72	1	3	
VAFO0420	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/06/70-05/04/71	0	2	
VAFO0428	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/05/70-10/03/72	2	5	
VAFO0433	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/29/69-10/30/72	3	7	
VAFO0437	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/19/67-01/18/68	0	3	
VAFO0450	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/67-10/03/72	4	22	
VAFO0454	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/10/71-10/30/72	1	3	
VAFO0455	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/13/68-08/15/68	0	17	
VAFO0458	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/04/70-10/03/72	2	3	
VAFO0461	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/12/67-06/19/68	0	20	
VAFO0007	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-09/06/79	0	1	
VAFO0019	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/70-09/06/79	8	57	
VAFO0050	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-09/06/79	0	1	
VAFO0155	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/70-10/04/71	0	3	
VAFO0175	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-09/06/79	0	1	
VAFO0232	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/67-10/03/72	4	12	
VAFO0233	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/05/70-09/27/71	1	4	
VAFO0324	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/29/70-09/28/71	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0325	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	02/19/70-05/04/71	1	3	
VAFO0346	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/03/71-10/03/72	1	3	
VAFO0420	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/06/70-05/04/71	0	2	
VAFO0428	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/05/70-10/03/72	2	5	
VAFO0433	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/29/69-10/30/72	3	7	
VAFO0437	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/19/67-01/18/68	0	3	
VAFO0450	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/67-10/03/72	4	22	
VAFO0454	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/10/71-10/30/72	1	3	
VAFO0455	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/13/68-08/15/68	0	17	
VAFO0458	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/04/70-10/03/72	2	3	
VAFO0461	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/12/67-06/19/68	0	20	
VAFO0011	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	9	20	
VAFO0074	Yes	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	9	20	
VAFO0100	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	9	19	
VAFO0106	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	9	21	
VAFO0132	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	9	20	
VAFO0133	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	9	21	
VAFO0220	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	9	20	
VAFO0269	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/11/87-03/25/97	9	20	
VAFO0278	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	9	20	
VAFO0442	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	9	20	
VAFO0444	No	80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	9	20	
VAFO0248	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	0	1	
VAFO0259	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	0	1	
VAFO0265	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	0	1	
VAFO0282	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	0	1	
VAFO0117	No	81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	11/18/86-11/18/86	0	1	
VAFO0389	No	81551	XYLENE WHL WATER SMPL UG/L	06/13/94-06/13/94	0	1	
VAFO0255	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0260	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0266	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0267	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0268	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	0	1	
VAFO0005	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/23/81-04/23/81	0	1	
VAFO0010	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/03/92-09/03/92	0	3	
VAFO0033	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/14/94-09/14/94	0	1	
VAFO0045	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/11/80-08/01/97	17	15	
VAFO0094	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/11/86-06/11/86	0	4	
VAFO0109	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	12/13/79-08/01/97	17	13	
VAFO0138	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/31/77-05/31/77	0	2	
VAFO0157	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/11/90-09/11/90	0	1	
VAFO0159	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/23/81-04/23/81	0	1	
VAFO0194	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/11/80-03/11/80	0	1	
VAFO0227	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/15/93-10/22/93	0	3	
VAFO0229	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/09/73-07/09/73	0	19	
VAFO0276	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/12/82-03/12/82	0	1	
VAFO0094	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	06/11/86-06/11/86	0	4	
VAFO0229	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	07/09/73-07/09/73	0	19	
VAFO0421	No	81618	TREFLAN(TRIFLURALIN) IN SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0010	Yes	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/03/92-09/03/92	0	3	
VAFO0033	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/14/94-09/14/94	0	1	
VAFO0045	Yes	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/01/87-08/08/95	7	6	
VAFO0094	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	06/11/86-06/11/86	0	4	
VAFO0109	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/01/87-08/08/95	7	5	
VAFO0117	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	11/18/86-11/18/86	0	1	
VAFO0157	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/11/90-09/11/90	0	1	
VAFO0227	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/15/93-10/22/93	0	3	
VAFO0033	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/14/94-09/14/94	0	1	
VAFO0045	Yes	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	07/28/89-08/08/95	6	4	
VAFO0094	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/11/86-06/11/86	0	4	
VAFO0109	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	07/28/89-08/08/95	6	3	
VAFO0117	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	11/18/86-11/18/86	0	1	
VAFO0157	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/11/90-09/11/90	0	1	
VAFO0227	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/15/93-10/22/93	0	3	
VAFO0094	No	81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	06/11/86-06/11/86	0	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0117	No	81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	11/18/86-11/18/86	0	1	
VAFO0248	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-05/14/96	0	1	
VAFO0255	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0256	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0258	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0259	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-09/03/96	0	2	
VAFO0260	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0265	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-09/03/96	0	2	
VAFO0266	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0267	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0268	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0274	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0275	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	0	1	
VAFO0282	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-09/03/96	0	2	
VAFO0296	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	04/27/93-04/27/93	0	1	
VAFO0313	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	04/27/93-04/27/93	0	1	
VAFO0326	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0331	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	04/27/93-07/26/93	0	3	
VAFO0332	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-07/26/93	0	2	
VAFO0336	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0337	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	0	1	
VAFO0351	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-10/14/93	0	3	
VAFO0353	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-09/13/93	0	3	
VAFO0354	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-10/14/93	0	1	
VAFO0356	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-01/12/94	0	3	
VAFO0358	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-10/14/93	0	2	
VAFO0359	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-10/14/93	0	1	
VAFO0362	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-01/12/94	0	2	
VAFO0365	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	01/12/94-01/12/94	0	1	
VAFO0367	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-10/14/93	0	1	
VAFO0368	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-10/14/93	0	2	
VAFO0371	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	01/12/94-01/12/94	0	1	
VAFO0372	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-09/13/93	0	1	
VAFO0373	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	0	1	
VAFO0377	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-09/13/93	0	1	
VAFO0380	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	0	1	
VAFO0382	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-07/26/93	0	2	
VAFO0383	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0384	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	0	1	
VAFO0390	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	0	1	
VAFO0393	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-07/26/93	0	2	
VAFO0399	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	0	1	
VAFO0402	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0405	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0407	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	0	1	
VAFO0408	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	0	1	
VAFO0416	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0417	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0419	No	81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	0	1	
VAFO0229	No	81793	NICKEL IN ANIMAL TISSUE,DRY WEIGHT MG/KG	07/09/73-07/09/73	0	19	
VAFO0094	No	81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	11/18/86-11/18/86	0	1	
VAFO0421	No	81808	PENTACHLORONITROBENZENE IN SEDIMENT DRY WGT UG/KG	06/11/86-06/11/86	0	2	
VAFO0033	No	81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	08/12/93-08/12/93	0	1	
VAFO0109	No	81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	08/12/93-08/12/93	0	1	
VAFO0227	No	81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	09/15/93-10/22/93	0	3	
VAFO0094	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	11/18/86-11/18/86	0	1	
VAFO0421	No	81876	TRICHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	81878	TETRACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	81880	PENTACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	81882	HEXACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0421	No	81884	HEPTACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0009	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	0	1	
VAFO0012	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	0	1	
VAFO0014	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	0	1	
VAFO0017	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/22/94-06/22/94	0	1	
VAFO0018	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	0	1	
VAFO0022	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	05/08/95-05/08/95	0	1	
VAFO0025	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	05/08/95-05/08/95	0	1	
VAFO0026	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	05/09/95-05/09/95	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0034	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/22/94-06/22/94	0	1	
VAFO0084	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/23/94-06/23/94	0	1	
VAFO0095	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	04/17/95-04/17/95	0	2	
VAFO0115	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	11/16/87-11/18/93	6	2	
VAFO0123	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/09/85-11/18/93	8	2	
VAFO0155	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/09/85-10/28/94	9	2	
VAFO0232	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/06/86-10/26/94	8	2	
VAFO0346	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/07/85-10/02/96	10	2	
VAFO0420	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/11/85-11/06/96	11	2	
VAFO0421	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	0	2	
VAFO0428	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/08/86-10/08/86	0	1	
VAFO0433	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	12/05/86-10/28/94	7	2	
VAFO0450	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/07/86-10/07/86	0	1	
VAFO0454	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/11/85-10/11/85	0	1	
VAFO0458	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/09/87-10/31/96	9	2	
VAFO0010	Yes	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/03/92-09/03/92	0	3	
VAFO0033	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/14/94-09/14/94	0	1	
VAFO0045	Yes	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	07/28/89-08/08/95	6	5	
VAFO0094	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/11/86-06/11/86	0	4	
VAFO0109	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	07/28/89-08/08/95	6	4	
VAFO0117	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	11/18/86-11/18/86	0	1	
VAFO0157	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/11/90-09/11/90	0	1	
VAFO0227	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/15/93-10/22/93	0	3	
VAFO0414	No	82038	POTASSIUM-DISSOLVED UG/L(AS K)	04/15/69-04/15/69	0	1	
VAFO0414	No	82039	DISSOLVED-SODIUM UG/L (AS NA)	04/15/69-04/15/69	0	1	
VAFO0036	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	0	1	
VAFO0108	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	0	1	
VAFO0118	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	0	1	
VAFO0178	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/90-08/31/90	0	62	
VAFO0181	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/90-08/31/90	0	62	
VAFO0182	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/90-08/31/90	0	62	
VAFO0192	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	0	1	
VAFO0249	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/07/90-08/31/90	0	18	
VAFO0292	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/07/90-08/31/90	0	18	
VAFO0031	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/12/82-11/23/87	5	23	
VAFO0045	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	16	78	T,A
VAFO0048	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-11/22/93	0	8	
VAFO0088	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/93-11/22/93	0	7	
VAFO0089	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	1	18	
VAFO0126	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	1	18	
VAFO0131	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/08/84-11/08/84	0	1	
VAFO0142	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/91-09/18/91	0	2	
VAFO0156	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	0	1	
VAFO0160	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	0	1	
VAFO0163	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/31/94-01/31/94	0	1	
VAFO0167	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/31/94	0	2	
VAFO0174	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	0	2	
VAFO0177	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	0	1	
VAFO0180	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	0	1	
VAFO0183	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	0	1	
VAFO0189	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/31/94-01/31/94	0	1	
VAFO0196	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/08/84-11/08/84	0	1	
VAFO0198	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	0	1	
VAFO0200	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/31/94-01/31/94	0	1	
VAFO0201	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	0	1	
VAFO0204	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	0	2	
VAFO0208	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-06/24/93	0	3	
VAFO0213	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/01/94-03/01/94	0	1	
VAFO0214	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/01/94-03/01/94	0	1	
VAFO0215	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/01/94-03/01/94	0	1	
VAFO0238	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-05/09/95	0	1	
VAFO0242	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	0	1	
VAFO0245	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	1	18	
VAFO0248	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/14/96-12/30/98	2	3	
VAFO0250	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-06/24/93	0	3	
VAFO0254	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	0	2	
VAFO0255	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-01/07/98	2	5	
VAFO0256	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/23/95-09/03/96	1	3	
VAFO0258	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	0	2	
VAFO0259	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/14/96-09/03/96	0	3	
VAFO0260	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	0	2	
VAFO0265	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/14/96-01/07/98	1	5	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0266	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	0	2	
VAFO0267	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-09/03/96	1	4	
VAFO0268	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-01/07/98	1	4	
VAFO0274	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	0	2	
VAFO0275	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-12/30/98	2	4	
VAFO0279	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/30/96-10/30/96	0	1	
VAFO0281	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	0	1	
VAFO0282	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-01/07/98	2	6	
VAFO0287	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/04/98-12/30/98	0	2	
VAFO0290	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	0	1	
VAFO0295	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/30/96-10/30/96	0	1	
VAFO0306	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	0	1	
VAFO0307	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	0	1	
VAFO0316	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	0	1	
VAFO0330	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/30/98-12/30/98	0	1	
VAFO0333	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	0	2	
VAFO0343	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/07/98-12/30/98	0	2	
VAFO0349	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	0	1	
VAFO0350	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	0	1	
VAFO0360	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	0	1	
VAFO0361	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	0	1	
VAFO0369	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	0	1	
VAFO0374	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	0	1	
VAFO0388	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/14/94-06/14/94	0	1	
VAFO0395	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/14/94-06/14/94	0	1	
VAFO0404	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	1	18	
VAFO0406	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	0	1	
VAFO0412	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/14/94-06/14/94	0	1	
VAFO0424	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-06/24/93	0	3	
VAFO0434	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	5	68	A
VAFO0440	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	0	1	
VAFO0447	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	0	1	
VAFO0452	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/91-03/06/96	4	3	
VAFO0049	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	10/06/97-10/06/97	0	1	
VAFO0389	No	82303	RADON 222, TOTAL IN WATER PC/L	06/13/94-06/13/94	0	1	
VAFO0061	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	07/06/77-07/06/77	0	1	
VAFO0397	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/28/77-06/28/77	0	1	
VAFO0446	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/27/77-06/27/77	0	1	
VAFO0459	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/27/77-06/27/77	0	1	
VAFO0460	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/27/77-06/27/77	0	1	
VAFO0115	No	82398	SAMPLING METHOD (CODES)	10/12/73-10/24/96	23	17	
VAFO0123	No	82398	SAMPLING METHOD (CODES)	10/12/73-10/24/96	23	20	
VAFO0155	No	82398	SAMPLING METHOD (CODES)	11/06/80-11/07/95	15	13	
VAFO0232	No	82398	SAMPLING METHOD (CODES)	05/05/70-10/31/96	26	20	
VAFO0325	No	82398	SAMPLING METHOD (CODES)	09/29/70-11/05/80	10	8	
VAFO0346	No	82398	SAMPLING METHOD (CODES)	10/03/72-10/11/95	23	18	
VAFO0420	No	82398	SAMPLING METHOD (CODES)	09/29/70-11/13/95	25	22	
VAFO0428	No	82398	SAMPLING METHOD (CODES)	09/28/70-10/12/95	25	18	
VAFO0433	No	82398	SAMPLING METHOD (CODES)	05/10/71-10/28/96	25	21	
VAFO0450	No	82398	SAMPLING METHOD (CODES)	09/28/70-10/12/95	25	21	
VAFO0454	No	82398	SAMPLING METHOD (CODES)	05/20/70-11/06/95	25	17	
VAFO0458	No	82398	SAMPLING METHOD (CODES)	09/28/70-10/31/96	26	20	
VAFO0076	Yes	82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-09/28/89	16	3	
VAFO0096	No	82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-09/28/89	16	3	
VAFO0193	No	82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-09/28/89	16	3	
VAFO0310	No	82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-10/03/72	0	1	
VAFO0391	No	82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-10/03/72	0	1	
VAFO0094	No	82571	ALACHLOR(LASSO) IN TISSUE MG/KG	06/11/86-06/11/86	0	4	
VAFO0001	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/15/79-11/15/79	0	1	
VAFO0026	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/22/94-06/22/94	0	1	
VAFO0068	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/13/79-11/13/79	0	1	
VAFO0095	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/17/95-04/17/95	0	1	
VAFO0135	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/14/79-11/14/79	0	1	
VAFO0142	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/91-04/01/91	0	1	
VAFO0185	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/10/84-10/10/84	0	1	
VAFO0212	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/29/85-04/29/85	0	1	
VAFO0239	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/29/85-04/29/85	0	1	
VAFO0240	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/29/85-04/29/85	0	1	
VAFO0314	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/13/79-11/13/79	0	1	
VAFO0318	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/05/85-07/05/85	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0329	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/12/84-10/12/84	0	1	
VAFO0376	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/02/87-09/02/87	0	1	
VAFO0378	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/11/84-10/11/84	0	1	
VAFO0381	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/02/87-09/02/87	0	1	
VAFO0385	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/11/84-10/11/84	0	1	
VAFO0389	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/13/94-06/13/94	0	1	
VAFO0396	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	03/13/85-03/13/85	0	1	
VAFO0426	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/08/65-04/08/65	0	1	
VAFO0452	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/91-04/01/91	0	1	
VAFO0001	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/15/79-11/15/79	0	1	
VAFO0026	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/09/95-05/09/95	0	1	
VAFO0034	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/22/94-06/22/94	0	1	
VAFO0068	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/15/79-11/15/79	0	1	
VAFO0070	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/13/79-11/13/79	0	1	
VAFO0095	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/17/95-04/17/95	0	1	
VAFO0135	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/14/79-11/14/79	0	1	
VAFO0142	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/91-04/01/91	0	1	
VAFO0185	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/10/84-10/10/84	0	1	
VAFO0212	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/29/85-04/29/85	0	1	
VAFO0239	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/29/85-04/29/85	0	1	
VAFO0240	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/29/85-04/29/85	0	1	
VAFO0314	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/13/79-11/13/79	0	1	
VAFO0318	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/05/85-07/05/85	0	1	
VAFO0329	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/12/84-10/12/84	0	1	
VAFO0376	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/02/87-09/02/87	0	1	
VAFO0378	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/11/84-10/11/84	0	1	
VAFO0381	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/02/87-09/02/87	0	1	
VAFO0385	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/11/84-10/11/84	0	1	
VAFO0389	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/13/94-06/13/94	0	1	
VAFO0396	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	03/13/85-03/13/85	0	1	
VAFO0426	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/08/65-04/08/65	0	1	
VAFO0452	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/91-04/01/91	0	1	
VAFO0005	Yes	84007	ANATOMY ALPHA CODE	04/23/81-04/23/81	0	1	
VAFO0010	Yes	84007	ANATOMY ALPHA CODE	09/03/92-09/03/92	0	3	
VAFO0033	No	84007	ANATOMY ALPHA CODE	09/14/94-09/14/94	0	1	
VAFO0045	Yes	84007	ANATOMY ALPHA CODE	03/11/80-08/01/97	17	15	
VAFO0094	No	84007	ANATOMY ALPHA CODE	06/11/86-06/11/86	0	4	
VAFO0109	No	84007	ANATOMY ALPHA CODE	12/13/79-08/01/97	17	13	
VAFO0117	No	84007	ANATOMY ALPHA CODE	11/18/86-11/18/86	0	1	
VAFO0138	No	84007	ANATOMY ALPHA CODE	05/31/77-05/31/77	0	2	
VAFO0157	No	84007	ANATOMY ALPHA CODE	09/11/90-09/11/90	0	1	
VAFO0159	No	84007	ANATOMY ALPHA CODE	04/23/81-04/23/81	0	1	
VAFO0194	No	84007	ANATOMY ALPHA CODE	03/11/80-03/11/80	0	2	
VAFO0227	No	84007	ANATOMY ALPHA CODE	09/15/93-10/22/93	0	3	
VAFO0229	No	84007	ANATOMY ALPHA CODE	07/09/73-07/09/73	0	19	
VAFO0276	No	84007	ANATOMY ALPHA CODE	03/12/82-03/12/82	0	1	
VAFO0142	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/91-04/01/91	0	1	
VAFO0452	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/91-04/01/91	0	1	
VAFO0042	Yes	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0044	Yes	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0046	Yes	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0080	Yes	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0101	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0102	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0103	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0104	No	85000	STREAM MILE, ACTUAL MILES	06/19/75-06/19/75	0	1	
VAFO0105	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0119	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0120	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0121	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0122	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0131	No	85000	STREAM MILE, ACTUAL MILES	11/08/84-11/08/84	0	1	
VAFO0137	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0144	No	85000	STREAM MILE, ACTUAL MILES	06/19/75-06/19/75	0	1	
VAFO0145	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0146	No	85000	STREAM MILE, ACTUAL MILES	09/25/90-09/25/90	0	1	
VAFO0150	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0151	No	85000	STREAM MILE, ACTUAL MILES	09/25/90-09/25/90	0	1	
VAFO0152	No	85000	STREAM MILE, ACTUAL MILES	01/30/92-01/30/92	0	1	
VAFO0160	No	85000	STREAM MILE, ACTUAL MILES	09/25/90-01/12/94	3	2	
VAFO0161	No	85000	STREAM MILE, ACTUAL MILES	01/30/92-01/30/92	0	1	
VAFO0163	No	85000	STREAM MILE, ACTUAL MILES	01/30/92-01/31/94	2	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 09/25/26 To 12/30/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
VAFO0165	No	85000	STREAM MILE, ACTUAL MILES	01/30/92-01/30/92	0	1	
VAFO0167	No	85000	STREAM MILE, ACTUAL MILES	09/25/90-01/31/94	3	3	
VAFO0171	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0174	No	85000	STREAM MILE, ACTUAL MILES	09/19/84-11/08/84	0	2	
VAFO0176	No	85000	STREAM MILE, ACTUAL MILES	06/19/75-06/19/75	0	1	
VAFO0189	No	85000	STREAM MILE, ACTUAL MILES	01/31/94-01/31/94	0	1	
VAFO0196	No	85000	STREAM MILE, ACTUAL MILES	11/08/84-11/08/84	0	1	
VAFO0200	No	85000	STREAM MILE, ACTUAL MILES	01/31/94-01/31/94	0	1	
VAFO0201	No	85000	STREAM MILE, ACTUAL MILES	01/12/94-01/12/94	0	1	
VAFO0204	No	85000	STREAM MILE, ACTUAL MILES	09/19/84-11/05/94	10	3	
VAFO0205	No	85000	STREAM MILE, ACTUAL MILES	09/25/90-09/25/90	0	1	
VAFO0209	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0213	No	85000	STREAM MILE, ACTUAL MILES	03/01/94-03/01/94	0	1	
VAFO0214	No	85000	STREAM MILE, ACTUAL MILES	03/01/94-03/01/94	0	1	
VAFO0215	No	85000	STREAM MILE, ACTUAL MILES	03/01/94-03/01/94	0	1	
VAFO0222	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0251	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0254	No	85000	STREAM MILE, ACTUAL MILES	09/19/84-11/08/84	0	2	
VAFO0257	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0300	No	85000	STREAM MILE, ACTUAL MILES	06/19/75-06/19/75	0	1	
VAFO0303	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0304	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0327	No	85000	STREAM MILE, ACTUAL MILES	06/19/75-06/19/75	0	1	
VAFO0333	No	85000	STREAM MILE, ACTUAL MILES	09/19/84-11/08/84	0	2	
VAFO0334	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0335	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0340	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0341	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0363	No	85000	STREAM MILE, ACTUAL MILES	03/01/76-03/01/76	0	1	
VAFO0364	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0366	No	85000	STREAM MILE, ACTUAL MILES	07/11/78-07/11/78	0	1	
VAFO0375	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0379	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0386	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0394	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0398	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0400	No	85000	STREAM MILE, ACTUAL MILES	03/21/91-03/21/91	0	1	
VAFO0401	No	85000	STREAM MILE, ACTUAL MILES	03/21/91-03/21/91	0	1	
VAFO0403	No	85000	STREAM MILE, ACTUAL MILES	03/21/91-03/21/91	0	1	
VAFO0413	No	85000	STREAM MILE, ACTUAL MILES	05/26/95-05/26/95	0	1	
VAFO0422	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0423	No	85000	STREAM MILE, ACTUAL MILES	08/19/74-08/19/74	0	1	
VAFO0425	No	85000	STREAM MILE, ACTUAL MILES	06/25/69-06/25/69	0	1	
VAFO0443	No	85000	STREAM MILE, ACTUAL MILES	05/26/95-05/26/95	0	1	
VAFO0449	No	85000	STREAM MILE, ACTUAL MILES	05/25/95-05/25/95	0	1	
VAFO0094	No	85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0117	No	85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85682	NITROFEN TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85682	NITROFEN TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85683	PERTHANE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85683	PERTHANE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	
VAFO0094	No	85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	0	4	
VAFO0117	No	85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	0	1	

[1]T=Time Series Plot, A=Annual Plot, S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: VAFO0001

NPS Station ID: VAFO0001 LAT/LON: 40.113892/ -75.404727 Agency: 112WRD Date Created: 12/02/81
Location: SCHUYLKILL R AT TROUT CR NR VALLEY FORGE PA FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400650075241700
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203000308.41 RF3 Mile Point: 9.28 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	1	680.	680.	680.	680.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	1	23.	23.	23.	23.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/15/79-11/15/79	1	150.	150.	150.	150.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0002

NPS Station ID: VAFO0002 | LAT/LON: 40.105782/ -75.407727 | Agency: 11NPSWRD | Date Created: 04/17/99
Location: TROUT CREEK AT RT. 23 BRIDGE | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_PSU_09
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF TROUT CREEK AND ROUTE 23. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/88-06/16/88	1	18.4	18.4	18.4	18.4	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/88-06/16/88	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/16/88-06/16/88	1	7.77	7.77	7.77	7.77	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/16/88-06/16/88	1	7.77	7.77	7.77	7.77	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/88-06/16/88	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	30000.	30000.	30000.	30000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.477	4.477	4.477	4.477	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			30000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	6000.	6000.	6000.	6000.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	3.778	3.778	3.778	3.778	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			6000.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0003

NPS Station ID: VAFO0003
LAT/LON: 40.106115/ -75.407782
Agency: 112WRD
Date Created: 12/02/81
Location: TROUT CR NR VALLEY FORGE PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400622075242800
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203000315.47
RF3 Mile Point: 15.47
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/15/79-11/15/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/15/79-11/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0004

NPS Station ID: VAFO0004
LAT/LON: 40.107503/ -75.412781
Agency: PHILWDPT
Date Created: / /
Location: TROOPER RD BRIDGE-OLD-BETZWOOD
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SCH-4
RMI-Indexes: 0205001 002650
Within Park Boundary: No
RMI-Miles: 0092.47 0028.10
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: N ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DEL R
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 15.030
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000308.41
RF3 Mile Point: 9.12
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0004

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0005

NPS Station ID: VAFO0005
LAT/LON: 40.102782/ -75.419448
Agency: 11131DWQ
Date Created: / /
Location: SCHUYLKILL R RTE 363 BR BETZWOOD
FIPS State/County: 42000 PENNSYLVANIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DEL 082 /082 /SCH 11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 15.490
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000311.81
RF3 Mile Point: 12.00
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00023	SAMPLE WEIGHT IN POUNDS	04/23/81-04/23/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	04/23/81-04/23/81	1	10.9	10.9	10.9	10.9	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	0.115	0.115	0.115	0.115	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/22/81-04/22/81	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	04/22/81-04/22/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/22/81-04/22/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/22/81-04/22/81	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	04/23/81-04/23/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/22/81-04/22/81	1 ##	1.24	1.24	1.24	1.24	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/22/81-04/22/81	1 ##	0.495	0.495	0.495	0.495	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/22/81-04/22/81	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/22/81-04/22/81	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/22/81-04/22/81	1	30.7	30.7	30.7	30.7	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/22/81-04/22/81	1	20.8	20.8	20.8	20.8	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	04/22/81-04/22/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/22/81-04/22/81	1	80.2	80.2	80.2	80.2	0.	0.	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	04/23/81-04/23/81	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/22/81-04/22/81	1	1.19	1.19	1.19	1.19	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/22/81-04/22/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/22/81-04/22/81	1	259.	259.	259.	259.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/22/81-04/22/81	1 ##	4.95	4.95	4.95	4.95	0.	0.	**	**	**	**
01099	ANTIMONY,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/22/81-04/22/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/22/81-04/22/81	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/22/81-04/22/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-04/22/81	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34204	ACENAPHTHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34205	ACENAPHTHENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34209	ACENAPHTHENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34210	ACROLEIN TOTWUG/L	04/22/81-04/22/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34213	ACROLEIN DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34214	ACROLEIN WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34215	ACRYLONITRILE TOTWUG/L	04/22/81-04/22/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34218	ACRYLONITRILE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34219	ACRYLONITRILE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34224	ANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34237	BENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34238	BENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
34241	BENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34251	BENZO-A-PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	04/22/81-04/22/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34290	BROMOFORM DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34291	BROMOFORM WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34300	CARBON TETRACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34301	CHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34304	CHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34305	CHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34314	CHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34315	CHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34318	CHLOROFORM DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34319	CHLOROFORM WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34324	CHRYSENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34326	CYANIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34331	DICHLOROBROMOMETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	04/22/81-04/22/81	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	04/22/81-04/22/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	04/22/81-04/22/81	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34374	ETHYLBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34375	ETHYLBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34380	FLUORANTHENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34385	FLUORENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34400	HEXACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34412	ISOPHORONE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34416	METHYL BROMIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34417	METHYL BROMIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34422	METHYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34427	METHYLENE CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34446	NAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34451	NITROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34465	PHENANTHRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34468	PHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34473	PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34474	SILVER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34479	TETRACHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	04/22/81-04/22/81	1 ##	12.4	12.4	12.4	12.4	0.	0.	**	**	**	**
34483	TOLUENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34484	TOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34500	1,1-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34505	1,1-DICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34510	1,1,1-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34515	1,1,2-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34520	1,1,2,2-TETRACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34535	1,2-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34545	1,2-DICHLOROPROPANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE, WET WT. MG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34580	2-CHLOROETHYL VINYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34590	2-CHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34595	2-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	30000.	30000.	30000.	30000.	0.	0.	**	**	**	**
34620	2,4-DINITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34650	4-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	04/22/81-04/22/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	04/22/81-04/22/81	1 ##	30000.	30000.	30000.	30000.	0.	0.	**	**	**	**
34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	04/23/81-04/23/81	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	04/22/81-04/22/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34692	TRICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34693	VINYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/22/81-04/22/81	1 ##	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	04/22/81-04/22/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/22/81-04/22/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/22/81-04/22/81	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	04/23/81-04/23/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/22/81-04/22/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/22/81-04/22/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/22/81-04/22/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/22/81-04/22/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/22/81-04/22/81	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/22/81-04/22/81	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/22/81-04/22/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	04/22/81-04/22/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	04/22/81-04/22/81	1 ##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	04/22/81-04/22/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	04/22/81-04/22/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	04/22/81-04/22/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	04/22/81-04/22/81	1 ##	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/22/81-04/22/81	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/22/81-04/22/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1	1.57	1.57	1.57	1.57	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1	25.7	25.7	25.7	25.7	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/23/81-04/23/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	0 &	0	0.00												
		Drinking Water	0.2	0 &	0	0.00												
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	0 &	0	0.00												
		Drinking Water	50.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00							1	0	0.00			
34210	ACROLEIN, TOTAL	Fresh Acute	68.	1	0	0.00							1	0	0.00			
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34346	1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00							1	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00							1	0	0.00			
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00							1	0	0.00			
34403	INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00							1	0	0.00			
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00							1	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00							1	0	0.00			
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00							1	0	0.00			
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00							1	0	0.00			
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00							1	0	0.00			
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00							1	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00							1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0006

NPS Station ID: VAFO0006
LAT/LON: 40.107976/ -75.421116
Agency: 21PENN
Date Created: 10/27/78
Location: BR L.R. 46064 NEAR VALLEY FORGE
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SCH032
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 15.490
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000311.81
RF3 Mile Point: 12.44
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM SCHUYLKILL RIVER - BRIDGE L.R. 46064 NEAR VALLEY FORGE , LOWER PROVIDENCE TOWNSHIP, MONTGOMERY COUNTY

Parameter Inventory for Station: VAFO0006

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0007

NPS Station ID: VAFO0007
LAT/LON: 40.107503/ -75.421116
Agency: 112WRD
Date Created: 01/26/80
Location: SCHUYLKILL RIVER AT PORT KENNEDY, PA
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01473193
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 15.490
Distance from RF1: 29.20
On/Off RF1: ON
RF3 Index: 02040203088000.00
RF3 Mile Point: 2.83
Distance from RF3: 0.34
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/79-06/25/80	22	13.75	13.877	26.	6.	43.838	6.621	6.65	7.75	18.35	24.34
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/06/79-09/06/79	1	15400.	15400.	15400.	15400.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	09/06/79-06/25/80	22	61.39	61.61	67.2	58.94	3.227	1.796	59.206	60.678	62.345	63.921
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/06/79-06/25/80	22	244.5	256.227	435.	148.	4571.898	67.616	183.5	218.75	278.75	386.3
00400	PH (STANDARD UNITS)	09/06/79-06/25/80	22	7.4	7.418	8.7	6.9	0.129	0.359	7.03	7.2	7.5	7.77
00400	CONVERTED PH (STANDARD UNITS)	09/06/79-06/25/80	22	7.4	7.321	8.7	6.9	0.139	0.373	7.03	7.2	7.5	7.77
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/06/79-06/25/80	22	0.04	0.048	0.126	0.002	0.001	0.029	0.017	0.032	0.063	0.094
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/18/80-05/25/80	10	4.45	4.89	8.1	2.4	4.803	2.192	2.42	2.75	7.25	8.03
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/18/80-06/25/80	11	4.1	5.473	17.	1.6	19.308	4.394	1.76	2.4	6.	15.48
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/27/79-06/25/80	13	0.	0.077	1.	0.	0.077	0.277	0.	0.	0.	0.6
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/27/79-06/25/80	13	0.	0.308	2.	0.	0.397	0.63	0.	0.	0.5	1.6
01027	CADMIUM, TOTAL (UG/L AS CD)	09/06/79-06/25/80	14	0.	0.5	2.	0.	0.577	0.76	0.	0.	1.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/27/79-06/25/80	12	1.5	3.	20.	0.	29.273	5.41	0.3	1.	2.	14.9
01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/27/79-06/25/80	12	9.	9.5	29.	0.	47.909	6.922	1.2	6.25	10.	23.9
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/06/79-06/25/80	14	10.	14.214	30.	3.	85.566	9.25	4.	8.75	22.25	30.
01040	COPPER, DISSOLVED (UG/L AS CU)	12/27/79-06/25/80	21	6.	5.857	8.	4.	1.429	1.195	4.2	5.	7.	7.8
01041	COPPER, SUSPENDED (UG/L AS CU)	12/27/79-06/25/80	21	8.	12.333	45.	1.	137.033	11.706	2.4	4.5	16.5	36.6
01042	COPPER, TOTAL (UG/L AS CU)	09/06/79-06/25/80	22	14.	19.364	52.	7.	166.052	12.886	8.3	10.75	22.5	44.7
01049	LEAD, DISSOLVED (UG/L AS PB)	12/27/79-06/25/80	21	0.	0.619	4.	0.	1.248	1.117	0.	0.	1.	2.8
01050	LEAD, SUSPENDED (UG/L AS PB)	12/27/79-06/25/80	21	11.	18.143	68.	5.	317.029	17.805	5.2	7.5	18.5	50.6
01051	LEAD, TOTAL (UG/L AS PB)	09/06/79-06/25/80	22	12.	20.864	68.	5.	409.457	20.235	5.3	7.75	26.	62.3
01065	NICKEL, DISSOLVED (UG/L AS NI)	12/27/79-06/25/80	13	3.	3.615	6.	2.	2.423	1.557	2.	2.	5.	6.
01066	NICKEL, SUSPENDED (UG/L AS NI)	12/27/79-06/25/80	13	5.	9.846	46.	0.	183.308	13.539	0.4	1.5	12.5	39.2
01067	NICKEL, TOTAL (UG/L AS NI)	09/06/79-06/25/80	14	9.	15.	48.	3.	188.308	13.723	3.5	6.75	23.75	41.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/27/79-06/25/80	13	10.	14.615	50.	10.	126.923	11.266	10.	10.	15.	38.
01091	ZINC, SUSPENDED (UG/L ZN)	12/27/79-06/25/80	13	30.	47.692	130.	10.	1702.564	41.262	10.	15.	75.	126.
01092	ZINC, TOTAL (UG/L AS ZN)	09/06/79-06/25/80	14	40.	70.714	180.	20.	2960.989	54.415	20.	27.5	130.	165.
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-05/14/80	12	0.	0.083	1.	0.	0.083	0.289	0.	0.	0.	0.7
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-05/14/80	12	0.	0.008	0.1	0.	0.001	0.029	0.	0.	0.	0.07
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-05/14/80	12	0.1	0.117	0.3	0.	0.009	0.094	0.	0.1	0.1	0.3
39755	MIREX, TOTAL (UG/L)	09/06/79-05/14/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-09/06/79	1	792.	792.	792.	792.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-09/06/79	1	32900.	32900.	32900.	32900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	22	0	0.00	2	0	0.00	10	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	22	0	0.00	2	0	0.00	10	0	0.00	10	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	5.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	5.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	14	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	5.	14	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	1	0	0.00	6	0	0.00	5	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	12	0	0.00	1	0	0.00	6	0	0.00	5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	14	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	21	0	0.00	1	0	0.00	10	0	0.00	10	0	0.00			
		Drinking Water	1300.	21	0	0.00	1	0	0.00	10	0	0.00	10	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	21	4	0.19	1	0	0.00	10	2	0.20	10	2	0.20			
		Drinking Water	1300.	21	0	0.00	1	0	0.00	10	0	0.00	10	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	22	8	0.36	2	1	0.50	10	4	0.40	10	3	0.30			
		Drinking Water	1300.	22	0	0.00	2	0	0.00	10	0	0.00	10	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	21	0	0.00	1	0	0.00	10	0	0.00	10	0	0.00			
		Drinking Water	15.	21	0	0.00	1	0	0.00	10	0	0.00	10	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	21	0	0.00	1	0	0.00	10	0	0.00	10	0	0.00			
		Drinking Water	15.	21	7	0.33	1	0	0.00	10	4	0.40	10	3	0.30			
01051	LEAD, TOTAL	Fresh Acute	82.	22	0	0.00	2	0	0.00	10	0	0.00	10	0	0.00			
		Drinking Water	15.	22	8	0.36	2	1	0.50	10	4	0.40	10	3	0.30			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	100.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	100.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	14	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	100.	14	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	5000.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	13	2	0.15	1	0	0.00	7	1	0.14	5	1	0.20			
		Drinking Water	5000.	13	0	0.00	1	0	0.00	7	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	14	4	0.29	2	1	0.50	7	2	0.29	5	1	0.20			
		Drinking Water	5000.	14	0	0.00	2	0	0.00	7	0	0.00	5	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	0.2	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	2.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	2.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	3.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	0.4	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	0.2	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0008

NPS Station ID: VAFO0008 | LAT/LON: 40.107809/ -75.421921 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: PORT KENNEDY RUN | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_PORT
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT PORT KENNEDY RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/89-07/08/98	16	14.	13.794	19.8	7.6	10.245	3.201	9.63	11.225	15.575	19.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/89-07/08/98	7	500.	522.571	654.	444.	5422.952	73.641	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/89-07/08/98	16	8.75	8.862	11.6	7.2	1.327	1.152	7.27	8.175	9.45	10.97
00403	PH, LAB, STANDARD UNITS SU	04/15/93-07/08/98	15	8.	7.887	8.5	7.5	0.078	0.28	7.5	7.5	8.	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	04/15/93-07/08/98	15	8.	7.804	8.5	7.5	0.086	0.293	7.5	7.5	8.	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/15/93-07/08/98	15	0.01	0.016	0.032	0.003	0.	0.01	0.007	0.01	0.032	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/89-08/23/95	8 ##	0.	141.125	1129.	0.	159330.125	399.162	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/07/89-07/08/98	15	0.27	0.227	0.78	0.	0.063	0.25	0.	0.	0.36	0.618
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/17/96-12/17/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/89-07/08/98	15	78.	89.6	190.	27.	2711.829	52.075	30.6	51.	139.	177.4
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/07/89-07/08/98	16	0.05	0.084	0.51	0.	0.016	0.128	0.	0.	0.118	0.286
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/15/93-07/08/98	6 ##	0.65	6.267	33.	0.	173.191	13.16	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/05/93-07/10/97	4	0.	125.	500.	0.	62500.	250.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/07/89-07/08/98	16	0.65	0.725	1.2	0.3	0.062	0.249	0.37	0.6	0.9	1.2
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/07/89-07/08/98	16	11.	16.813	100.	0.	615.363	24.807	0.	0.	24.5	49.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0008

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	16	0	0.00	7	0	0.00				9	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	15	0	0.00	6	0	0.00				9	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00				9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	0	0.00	6	0	0.00				9	0	0.00			
		Drinking Water	250.	15	0	0.00	6	0	0.00				9	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	16	11	0.69	7	4	0.57				9	7	0.78			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	4	1	0.25	2	1	0.50				2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	16	0	0.00	7	0	0.00				9	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	16	10	0.63	7	3	0.43				9	7	0.78			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/89-07/08/98	7	12.3	12.586	15.1	10.5	3.248	1.802	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/89-07/08/98	7	8.4	8.614	9.9	7.3	0.831	0.912	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/89-07/08/98	6	70.	82.333	152.	58.	1300.267	36.059	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/07/89-07/08/98	7	0.02	0.023	0.06	0.	0.001	0.024	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/07/89-07/08/98	7	0.6	0.543	0.7	0.3	0.02	0.14	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/07/89-07/08/98	7 ##	0.	19.571	100.	0.	1335.952	36.551	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/89-07/08/98	9	15.5	14.733	19.8	7.6	14.503	3.808	7.6	11.9	17.65	19.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/89-07/08/98	9	8.9	9.056	11.6	7.2	1.768	1.33	7.2	8.25	9.85	11.6
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/89-07/08/98	9	78.	94.444	190.	27.	3867.028	62.185	27.	36.5	154.	190.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/07/89-07/08/98	9	0.08	0.131	0.51	0.	0.024	0.156	0.	0.03	0.17	0.51
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/07/89-07/08/98	9	0.9	0.867	1.2	0.6	0.05	0.224	0.6	0.65	1.05	1.2
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/07/89-07/08/98	9	21.	14.667	28.	0.	140.	11.832	0.	2.	25.	28.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0009

NPS Station ID: VAFO0009 LAT/LON: 40.108309/ -75.422309 Agency: 11NPSWRD Date Created: 07/17/99
Location: SCHUYLKILL RIVER AT BETZWOOD BOAT RAMP FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_USGS_01
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SITE 1 IS LOCATED WITHIN VALLEY FORGE NATIONAL HISTORICAL PARK AT THE SCHUYLKILL RIVER AT THE BETZWOOD BOAT RAMP. THE SAMPLE WAS COLLECTED FROM THE STREAM BOTTOM 10 FEET UPSTREAM OF THE BOAT RAMP AND 5 FEET FROM THE LEFT (LOOKING DOWNSTREAM) EDGE OF THE WATER. THE AREA ADJACENT TO SITE 1 CONTAINS PICNIC TABLES AND A PARKING LOT. DATA ARE FROM USGS WATER RESOURCES INVESTIGATIONS REPORT 97-4120 "METALS; PESTICIDES; AND SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT IN VALLEY FORGE NATIONAL HISTORICAL PARK; MONTGOMERY COUNTY; PENNSYLVANIA" (REIF & SLOTO; 1997). LAT/LONG VALUES WERE OBTAINED BY DIGITIZING A POINT ON THE PREVIOUSLY MENTIONED QUADRANGLE. FOR INFO. ABOUT THE PARK CONTACT NATURAL RESOURCES; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE UPLOADED TO STORET BY ARIA BRISSETTE; NPS-WRD 1201 OAK RIDGE DRIVE; FORT COLLINS CO 80525 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	01/31/95-01/31/95	1	63.	63.	63.	63.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	01/31/95-01/31/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	1	430.	430.	430.	430.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	510.	510.	510.	510.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	360.	360.	360.	360.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	480.	480.	480.	480.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	01/31/95-01/31/95	1	500.	500.	500.	500.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	01/31/95-01/31/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	01/31/95-01/31/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	1	430000.	430000.	430000.	430000.	0.	0.	**	**	**	**
61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	1	40.	40.	40.	40.	0.	0.	**	**	**	**
61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	34000.	34000.	34000.	34000.	0.	0.	**	**	**	**
61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	5400.	5400.	5400.	5400.	0.	0.	**	**	**	**
75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0010

NPS Station ID: VAFO0010 LAT/LON: 40.107503/ -75.422226 Agency: 21PA Date Created: 07/17/93
Location: SCHUYLKILL RVR-NORRISTOWN POOL (BETZWOOD) FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO STORET Station ID(s): WQF00833-028.4 /PFBC6-066
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	09/03/92-09/03/92	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/03/92-09/03/92	3	0.07	0.07	0.099	0.042	0.001	0.029	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/03/92-09/03/92	3	0.057	0.055	0.064	0.043	0.	0.011	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/03/92-09/03/92	3	0.094	0.091	0.138	0.041	0.002	0.049	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/03/92-09/03/92	3	10.	12.333	18.	9.	24.333	4.933	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	09/03/92-09/03/92	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	09/03/92-09/03/92	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/03/92-09/03/92	3	0.19	0.193	0.28	0.11	0.007	0.085	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/03/92-09/03/92	3	0.02	0.033	0.06	0.02	0.001	0.023	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/03/92-09/03/92	3	2.78	2.497	2.93	1.78	0.391	0.625	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/03/92-09/03/92	3	73.	73.667	75.	73.	1.333	1.155	**	**	**	**
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	09/03/92-09/03/92	3	0.31	0.282	0.446	0.09	0.032	0.18	**	**	**	**
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/03/92-09/03/92	3	0.046	0.296	0.812	0.031	0.199	0.447	**	**	**	**
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	09/03/92-09/03/92	3	1.34	1.97	3.32	1.25	1.369	1.17	**	**	**	**
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/03/92-09/03/92	3	0.399	0.421	0.485	0.379	0.003	0.056	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/03/92-09/03/92	3	5.	4.667	5.	4.	0.333	0.577	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/03/92-09/03/92	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/03/92-09/03/92	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0011

NPS Station ID: VAFO0011 LAT/LON: 40.090392/ -75.422726 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 420 AT TROUT CREEK JUST NORTH OF I76 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_420
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 420 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT TROUT CREEK JUST NORTH OF INTERSTATE 76. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	36	11.	11.447	27.5	0.	39.458	6.282	3.69	6.125	16.	19.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	32	14.	13.313	30.	-6.	73.287	8.561	3.9	-5.625	20.	23.73
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	36	285.	291.417	410.	182.	3638.136	60.317	216.1	251.25	338.	387.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	35	10.7	11.337	21.8	6.7	8.11	2.848	8.36	9.4	13.5	14.44
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	36 ##	2.5	3.958	25.5	2.5	21.248	4.61	2.5	2.5	2.5	11.8
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	36	8.	7.989	8.5	7.1	0.09	0.299	7.57	7.9	8.1	8.43
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	36	8.	7.872	8.5	7.1	0.104	0.322	7.57	7.9	8.1	8.43
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	36	0.01	0.013	0.079	0.003	0.	0.013	0.004	0.008	0.013	0.027
00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	15	8.	7.907	8.46	6.87	0.196	0.442	7.068	7.7	8.25	8.382
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/90-10/20/97	15	8.	7.642	8.46	6.87	0.271	0.521	7.068	7.7	8.25	8.382
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/90-10/20/97	15	0.01	0.023	0.135	0.003	0.001	0.035	0.004	0.006	0.02	0.092
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	36	130.	132.333	204.	95.	613.714	24.773	102.8	112.	150.75	160.1
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	35	0.01	0.036	0.21	0.005	0.003	0.056	0.005	0.005	0.03	0.148
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/20/82-03/17/97	32 ##	0.005	0.011	0.04	0.005	0.	0.012	0.005	0.005	0.01	0.04
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	36	0.105	0.139	0.63	0.005	0.018	0.134	0.009	0.035	0.195	0.335
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	36	1.945	2.281	13.53	1.06	3.916	1.979	1.448	1.578	2.328	2.66
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	36 ##	0.005	0.01	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.023
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	36	168.	167.028	213.	79.	944.828	30.738	119.	153.25	187.75	201.3
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	36	15.3	17.233	52.	8.	95.338	9.764	8.	10.	21.5	29.2
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	36	2.2	2.934	12.	0.07	4.503	2.122	1.37	1.72	4.	5.16
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	36	20.5	24.	93.	8.	234.	15.297	10.4	17.	26.75	38.6
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	36	23.	24.389	37.	15.	34.473	5.871	17.7	20.25	27.	35.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	36	0.06	0.059	0.15	0.01	0.001	0.024	0.04	0.04	0.07	0.083
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	36 ##	5.	7.639	100.	5.	250.694	15.833	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	36	100.	247.778	1500.	60.	98354.921	313.616	60.	60.	300.	700.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	36 ##	25.	51.389	300.	25.	4962.302	70.444	25.	25.	25.	130.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	36 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	06/18/81-09/19/95	10	3450.	5525.	25000.	200.	54949938.889	7412.823	201.	457.5	7450.	23380.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	06/18/81-09/19/95	10	3.534	3.361	4.398	2.301	0.488	0.698	2.303	2.63	3.87	4.353
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			2294.323								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	36	585.	3690.556	81000.	10.	187000485.397	13674.812	51.	112.5	1657.5	4400.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	36	2.767	2.716	4.908	1.	0.634	0.796	1.688	2.03	3.219	3.641
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			520.107								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	36	725.	1640.861	11800.	0.5	6145456.966	2479.003	40.	142.5	1792.5	5160.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	36	2.849	2.639	4.072	-0.301	0.963	0.981	1.602	2.154	3.253	3.713
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			435.194								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	35	0.01	0.018	0.08	0.005	0.	0.018	0.005	0.005	0.03	0.038
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	36	3.	4.41	23.	0.25	20.133	4.487	0.425	0.625	6.75	10.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	35	199.	223.171	966.	126.	17363.97	131.772	165.	191.	220.	235.2
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	20	0.85	1.078	2.6	0.05	0.75	0.866	0.1	0.325	1.925	2.39

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0011

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	35	0	0.00	11	0	0.00	9	0	0.00	15	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	32	0	0.00	9	0	0.00	8	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	36	1	0.03	10	1	0.10	9	0	0.00	17	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
		Drinking Water	250.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
		Drinking Water	5000.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	10	7	0.70	2	1	0.50	2	0	0.00	6	6	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	36	26	0.72	10	7	0.70	9	2	0.22	17	17	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	11	11.	10.627	15.8	5.	12.022	3.467	5.2	7.5	13.	15.64
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	11	14.	13.682	17.	9.	6.264	2.503	9.4	11.	15.5	16.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	11	310.	310.273	385.	220.	2421.818	49.212	225.	290.	348.	383.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	11	9.4	9.836	12.5	6.7	2.733	1.653	7.14	9.	11.	12.44
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	10 ##	2.5	5.85	25.5	2.5	58.558	7.652	2.5	2.5	5.125	24.25
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	10	7.9	7.92	8.1	7.5	0.033	0.181	7.53	7.875	8.1	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	10	7.9	7.881	8.1	7.5	0.035	0.186	7.53	7.875	8.1	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	10	0.013	0.013	0.032	0.008	0.	0.007	0.008	0.008	0.013	0.03
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	150.5	152.3	204.	130.	413.122	20.325	130.2	141.75	155.	199.4
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	9 ##	0.005	0.025	0.14	0.005	0.002	0.044	0.005	0.005	0.025	0.14
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.145	0.195	0.63	0.005	0.04	0.199	0.006	0.018	0.338	0.606
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	10	2.	3.139	13.53	1.42	13.527	3.678	1.432	1.563	2.6	12.437
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	10	0.01	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.013	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	178.5	169.1	213.	87.	1731.878	41.616	89.5	142.75	200.75	212.6
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	10	13.1	17.22	44.	8.	131.417	11.464	8.	8.	23.	42.2
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	10	2.35	2.57	4.8	1.3	1.158	1.076	1.33	1.9	3.1	4.72
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	10	22.	22.6	38.	9.	68.044	8.249	9.8	17.	28.5	37.2
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	10	23.	25.6	35.	19.	34.044	5.835	19.1	20.75	31.5	34.8
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.055	0.054	0.08	0.04	0.	0.013	0.04	0.04	0.06	0.078
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	10	100.	194.	600.	60.	38671.111	196.65	60.	60.	275.	590.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	10 ##	25.	77.5	300.	25.	9368.056	96.789	25.	25.	125.	290.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	10	295.	530.	1430.	70.	226955.556	476.399	72.	157.5	870.	1404.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	10	2.469	2.538	3.155	1.845	0.203	0.451	1.856	2.18	2.932	3.147
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			344.838								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	10	475.	985.	3320.	250.	974805.556	987.322	257.	350.	1625.	3170.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	10	2.67	2.83	3.521	2.398	0.145	0.381	2.409	2.544	3.21	3.495
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			675.371								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	9	0.01	0.017	0.06	0.005	0.	0.018	0.005	0.005	0.025	0.06
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	3.	5.65	23.	0.5	44.781	6.692	0.55	1.75	8.25	21.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	9	217.	297.556	966.	190.	63101.278	251.2	190.	199.5	233.5	966.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	9	5.2	4.011	7.	0.	7.999	2.828	0.	0.55	6.25	7.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	9	6.	2.933	12.9	-6.	38.028	6.167	0.	2.5	-5.75	12.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	8	242.5	251.375	387.	182.	4143.125	64.367	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	9	14.2	13.522	14.5	11.6	1.227	1.108	11.6	12.4	14.45	14.5
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	9 ##	2.5	4.611	12.5	2.5	17.611	4.197	2.5	2.5	7.	12.5
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	9	8.1	8.078	8.5	7.1	0.177	0.421	7.1	7.95	8.4	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	9	8.1	7.822	8.5	7.1	0.25	0.5	7.1	7.95	8.4	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	9	0.008	0.015	0.079	0.003	0.001	0.024	0.003	0.004	0.011	0.079
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	9	125.	124.333	165.	104.	387.25	19.679	104.	108.	135.5	165.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	9 ##	0.005	0.017	0.09	0.005	0.001	0.028	0.005	0.005	0.015	0.09
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	9	0.07	0.121	0.37	0.01	0.014	0.118	0.01	0.035	0.2	0.37
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	9	2.23	2.292	2.93	1.54	0.173	0.416	1.54	2.075	2.655	2.93
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	9 ##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.005	0.03
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	9	169.	165.333	212.	79.	1299.	36.042	79.	162.5	183.5	212.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	9	17.6	21.456	52.	8.	181.833	13.485	8.	12.45	27.	52.
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	9	2.	2.831	6.88	0.9	3.907	1.977	0.9	1.45	4.4	6.88
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	9	37.	36.889	93.	8.	629.611	25.092	8.	19.5	46.5	93.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	9	24.	23.889	35.	18.	28.361	5.326	18.	19.	26.5	35.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	9	0.05	0.054	0.09	0.04	0.	0.017	0.04	0.04	0.065	0.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	9	100.	274.444	1500.	60.	217927.778	466.827	60.	60.	250.	1500.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	9 ##	25.	55.556	300.	25.	8402.778	91.667	25.	25.	25.	300.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	9 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	9	90.	174.444	610.	10.	55202.778	234.953	10.	30.	325.	610.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	9	1.954	1.903	2.785	1.	0.337	0.58	1.	1.477	2.351	2.785
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			80.017								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	9	50.	256.778	1710.	0.5	305685.882	552.889	0.5	20.25	200.	1710.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	9	1.699	1.536	3.233	-0.301	1.356	1.164	-0.301	0.651	2.223	3.233
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			34.362								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	9	0.01	0.014	0.03	0.005	0.	0.011	0.005	0.005	0.025	0.03
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	9	0.5	3.	10.	0.25	14.109	3.756	0.25	0.375	6.5	10.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	9	213.	207.889	234.	190.	221.611	14.887	190.	194.	218.	234.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	16	16.	16.194	27.5	9.	22.086	4.7	9.77	11.75	18.925	22.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	12	20.5	20.758	30.	12.	24.428	4.942	12.6	17.75	23.775	28.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	17	281.	298.059	410.	230.	3539.184	59.491	230.	255.	354.5	402.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	15	10.	11.127	21.8	7.4	12.156	3.487	7.94	9.4	11.6	17.24
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	17 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	17	8.	7.982	8.5	7.5	0.082	0.286	7.58	7.7	8.1	8.42
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	17	8.	7.896	8.5	7.5	0.09	0.299	7.58	7.7	8.1	8.42
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	17	0.01	0.013	0.032	0.003	0.	0.008	0.004	0.008	0.02	0.026
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	17	120.	124.824	182.	95.	571.404	23.904	97.4	107.	144.5	160.4
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	17	0.02	0.051	0.21	0.005	0.005	0.07	0.005	0.005	0.085	0.186
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	17	0.1	0.116	0.28	0.005	0.007	0.085	0.005	0.045	0.17	0.272
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	17	1.8	1.771	2.37	1.06	0.134	0.366	1.252	1.535	2.025	2.338
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	17 ##	0.005	0.012	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.032
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	17	165.	166.706	197.	122.	438.721	20.946	141.2	151.	187.	195.4
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	17	14.	15.006	28.	9.	28.414	5.33	9.32	10.	18.	24.8
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	17	2.4	3.203	12.	0.07	7.08	2.661	1.134	1.74	4.	7.2
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	17	18.	18.	27.	8.	25.875	5.087	10.4	16.	22.	26.2
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	17	23.	23.941	37.	15.	40.809	6.388	16.6	19.5	27.	36.2
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	17	0.06	0.065	0.15	0.01	0.001	0.032	0.026	0.045	0.08	0.118
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	17 ##	5.	10.588	100.	5.	530.882	23.041	5.	5.	5.	24.
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	17	130.	265.294	1000.	60.	81901.471	286.184	60.	60.	400.	760.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	17 ##	25.	33.824	100.	25.	620.404	24.908	25.	25.	25.	100.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	17 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	17	1710.	7411.176	81000.	230.	381002686.029	19519.29	286.	680.	3250.	32200.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	17	3.233	3.251	4.908	2.362	0.409	0.639	2.454	2.826	3.496	4.423
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1784.204								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	17	1210.	2759.412	11800.	90.	10066243.382	3172.734	130.	560.	4450.	8440.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	17	3.083	3.11	4.072	1.954	0.403	0.635	2.108	2.656	3.644	3.919
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1288.673								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	17	0.01	0.019	0.08	0.005	0.	0.021	0.005	0.005	0.03	0.056
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	17	4.	4.426	11.	0.25	9.717	3.117	0.45	2.	6.5	10.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	17	194.	191.882	258.	126.	953.11	30.872	139.6	175.5	208.5	232.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0012

NPS Station ID: VAFO0012 LAT/LON: 40.108642/ -75.423920 Agency: 11NPSWRD Date Created: 07/17/99
Location: SCHUYLKILL R AT BETZWOOD UPSTREAM OF BOAT RAMP FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_USGS_02
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SITE 2 IS LOCATED WITHIN VALLEY FORGE NATIONAL HISTORICAL PARK AT THE SCHUYLKILL RIVER NEAR THE BETZWOOD BOAT RAMP. THE SAMPLE WAS COLLECTED FROM THE STREAM BOTTOM 10 FEET UPSTREAM OF THE BOAT RAMP AND 5 FEET FROM THE LEFT (LOOKING DOWN- STREAM) EDGE OF THE WATER. DATA ARE FROM USGS WATER RESOURCES INVESTIGATIONS REPORT 97-4120 "METALS; PESTICIDES; AND SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT IN VALLEY FORGE NATIONAL HISTORICAL PARK; MONTGOMERY COUNTY; PENNSYLVANIA" (REIF & SLOTO; 1997). LAT/LONG VALUES WERE OBTAINED BY DIGITIZING A POINT ON THE PREVIOUSLY MENTIONED QUADRANGLE. FOR INFO. ABOUT THE PARK CONTACT NATURAL RESOURCES; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE UPLOADED TO STORET BY ARIA BRISSETTE; NPS-WRD 1201 OAK RIDGE DRIVE; FORT COLLINS CO 80525 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	01/31/95-01/31/95	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	01/31/95-01/31/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	1	750.	750.	750.	750.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	01/31/95-01/31/95	1	650.	650.	650.	650.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	670.	670.	670.	670.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	01/31/95-01/31/95	1	390.	390.	390.	390.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	690.	690.	690.	690.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	660.	660.	660.	660.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1	860.	860.	860.	860.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	01/31/95-01/31/95	1	700.	700.	700.	700.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	01/31/95-01/31/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	01/31/95-01/31/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	01/31/95-01/31/95	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/31/95-01/31/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	01/31/95-01/31/95	1	650.	650.	650.	650.	0.	0.	**	**	**	**
61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	01/31/95-01/31/95	1	9.	9.	9.	9.	0.	0.	**	**	**	**
61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	01/31/95-01/31/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	1	20.	20.	20.	20.	0.	0.	**	**	**	**
61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	01/31/95-01/31/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	1	330000.	330000.	330000.	330000.	0.	0.	**	**	**	**
61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	01/31/95-01/31/95	1	40.	40.	40.	40.	0.	0.	**	**	**	**
61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	20000.	20000.	20000.	20000.	0.	0.	**	**	**	**
61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	01/31/95-01/31/95	1	4600.	4600.	4600.	4600.	0.	0.	**	**	**	**
75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	01/31/95-01/31/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	01/31/95-01/31/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0013

NPS Station ID: VAFO0013 | LAT/LON: 40.108059/ -75.426504 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: SCOTT'S SPRING | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_KALB
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT SCOTT'S SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/89-09/28/89	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/89-09/28/89	1	248.	248.	248.	248.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/28/89-09/28/89	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/28/89-09/28/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/28/89-09/28/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/89-09/28/89	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/89-09/28/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/89-09/28/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/89-09/28/89	1	60.	60.	60.	60.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/28/89-09/28/89	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/28/89-09/28/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/28/89-09/28/89	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	1	1.00	1	1	1.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0014

NPS Station ID: VAFO0014
LAT/LON: 40.110003/ -75.428337
Agency: 11NPSWRD
Date Created: 07/17/99
Location: SCHUYLKILL RIVER BELOW LAMB RUN
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_03
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SITE 3 IS LOCATED WITHIN VALLEY FORGE NATIONAL HISTORICAL PARK AT THE SCHUYLKILL RIVER DOWNSTREAM OF LAMB RUN. THE SAMPLE WAS COLLECTED FROM THE STREAM BOTTOM 100 FEET DOWNSTREAM OF LAMB RUN AND 2 FEET FROM THE LEFT (LOOKING DOWNSTREAM) EDGE OF THE WATER. THE SITE IS ADJACENT TO AN OLD STONE HOUSE AND A HIKING TRAIL. DATA AND LAT/LONG VALUES ARE FROM USGS WATER RESOURCES INVESTIGATIONS REPORT 97-4120 "METALS; PESTICIDES; AND SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT IN VALLEY FORGE NATIONAL HISTORICAL PARK; MONTGOMERY COUNTY; PENNSYLVANIA" (REIF & SLOTO; 1997). FOR INFORMATION ABOUT THE PARK CONTACT NATURAL RESOURCES; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	02/01/95-02/01/95	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	02/01/95-02/01/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	430.	430.	430.	430.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	02/01/95-02/01/95	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	2700.	2700.	2700.	2700.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	230.	230.	230.	230.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	540.	540.	540.	540.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	540.	540.	540.	540.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	02/01/95-02/01/95	1	910.	910.	910.	910.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	02/01/95-02/01/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	02/01/95-02/01/95	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	02/01/95-02/01/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	20.	20.	20.	20.	0.	0.	**	**	**	**
61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	1	310000.	310000.	310000.	310000.	0.	0.	**	**	**	**
61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	17000.	17000.	17000.	17000.	0.	0.	**	**	**	**
61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**
75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0015

NPS Station ID: VAFO0015 LAT/LON: 40.112559/ -75.428449 Agency: 11NPSWRD Date Created: 10/05/99
Location: LAMB RUN AT LOW WATER BRIDGE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_LAML
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LAMB RUN AT THE LOW WATER BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/92-02/21/92	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/21/92-02/21/92	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	02/21/92-02/21/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	02/21/92-02/21/92	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	02/21/92-02/21/92	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0015

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0016

NPS Station ID: VAFO0016 | LAT/LON: 40.113088/ -75.428226 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: LAMB RUN | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_LAMB
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LAMB RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/89-07/08/98	23	19.1	16.661	24.5	5.6	32.406	5.693	7.32	11.1	20.8	23.34
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/21/89-07/08/98	11	587.	568.545	754.	355.	18931.073	137.59	359.	410.	684.	742.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/89-07/08/98	22	8.6	8.527	14.3	4.8	5.789	2.406	5.02	6.7	9.65	12.39
00403	PH, LAB, STANDARD UNITS SU	07/21/89-07/08/98	23	7.5	7.561	8.	6.5	0.152	0.39	6.94	7.5	8.	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/89-07/08/98	23	7.5	7.349	8.	6.5	0.199	0.447	6.94	7.5	8.	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/89-07/08/98	23	0.032	0.045	0.316	0.01	0.004	0.065	0.01	0.01	0.032	0.116
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/89-08/02/95	12 ##	0.	117.083	1028.	0.	94037.356	306.655	0.	0.	0.	832.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/21/89-07/08/98	21	0.29	0.276	0.79	0.	0.086	0.294	0.	0.	0.545	0.732
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/17/96-12/17/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/92-07/08/98	19	98.	102.895	215.	19.	2726.211	52.213	33.	77.	131.	199.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/21/89-07/08/98	22	0.045	0.062	0.38	0.	0.007	0.086	0.	0.	0.06	0.164
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/13/93-07/08/98	10	20.	15.08	27.5	0.	118.653	10.893	0.13	4.075	25.	27.25
61215	FECAL COLIFORM, GENERAL #/100ML	02/18/92-07/15/97	7	100.	628.714	2400.	0.	902171.571	949.827	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/21/89-07/08/98	21	2.	2.962	22.1	0.6	20.212	4.496	0.62	1.1	3.1	3.7
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/21/89-07/08/98	23	76.	81.587	324.	0.	8394.462	91.621	0.	0.2	106.	211.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	22	0	0.00	6	0	0.00	1	0	0.00	15	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	23	0	0.00	7	0	0.00	1	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	23	1	0.04	7	1	0.14	1	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	5	0	0.00	1	0	0.00	13	0	0.00			
		Drinking Water	250.	19	0	0.00	5	0	0.00	1	0	0.00	13	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	22	16	0.73	6	4	0.67	1	0	0.00	15	12	0.80			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	7	3	0.43	1	1	1.00	1	1	1.00	5	1	0.20			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	21	0	0.00	6	0	0.00	1	0	0.00	14	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	23	16	0.70	7	3	0.43	1	0	0.00	15	13	0.87			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/89-07/08/98	7	11.1	11.171	16.2	6.2	10.489	3.239	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/89-07/08/98	6	9.7	9.817	11.2	8.4	0.922	0.96	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/21/89-07/08/98	7	7.5	7.357	8.	6.5	0.226	0.476	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/89-07/08/98	7	7.5	7.103	8.	6.5	0.302	0.549	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/89-07/08/98	7	0.032	0.079	0.316	0.01	0.012	0.108	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/21/89-07/08/98	7 ##	0.	0.164	0.79	0.	0.094	0.307	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/92-07/08/98	5	90.	80.2	147.	33.	2239.7	47.325	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/21/89-07/08/98	6	0.035	0.05	0.17	0.	0.004	0.064	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/21/89-07/08/98	6	1.95	1.883	3.1	1.1	0.554	0.744	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/21/89-07/08/98	7	0.2	31.043	106.	0.	2435.24	49.348	**	**	**	**

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Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/89-07/08/98	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/89-07/08/98	1	14.3	14.3	14.3	14.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/21/89-07/08/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/89-07/08/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/89-07/08/98	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/21/89-07/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/92-07/08/98	1	100.	100.	100.	100.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/21/89-07/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/21/89-07/08/98	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/21/89-07/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/89-07/08/98	15	20.	19.96	24.5	10.	10.961	3.311	14.98	19.1	22.	23.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/89-07/08/98	15	7.3	7.627	12.9	4.8	4.392	2.096	4.86	6.7	9.	10.74
00403	PH, LAB, STANDARD UNITS SU	07/21/89-07/08/98	15	7.5	7.66	8.	6.9	0.111	0.333	7.14	7.5	8.	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/89-07/08/98	15	7.5	7.527	8.	6.9	0.13	0.361	7.14	7.5	8.	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/89-07/08/98	15	0.032	0.03	0.126	0.01	0.001	0.029	0.01	0.01	0.032	0.08
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/21/89-07/08/98	13	0.41	0.357	0.76	0.	0.076	0.276	0.	0.	0.61	0.704
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/92-07/08/98	13	103.	111.846	215.	19.	3040.641	55.142	27.4	81.5	142.	208.6
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/21/89-07/08/98	15	0.06	0.071	0.38	0.	0.009	0.096	0.	0.02	0.06	0.242
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/21/89-07/08/98	14	1.9	3.479	22.1	0.6	30.014	5.479	0.6	0.925	3.4	12.9
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/21/89-07/08/98	15	76.	110.613	324.	0.	9492.1	97.427	0.12	19.	208.	258.

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Station Inventory for Station: VAFO0017

NPS Station ID: VAFO0017
LAT/LON: 40.111671/ -75.428615
Agency: 112WRD
Date Created: 12/10/94
Location: LAMB RUN AT VALLEY FORGE
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400642075254300
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/94-06/22/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/94-06/22/94	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/22/94-06/22/94	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/94-06/22/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/94-06/22/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/94-06/22/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	06/22/94-06/22/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/22/94-06/22/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/22/94-06/22/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/22/94-06/22/94	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/22/94-06/22/94	1	540.	540.	540.	540.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/22/94-06/22/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/22/94-06/22/94	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	510.	510.	510.	510.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1	4700.	4700.	4700.	4700.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/22/94-06/22/94	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	570.	570.	570.	570.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	210.	210.	210.	210.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34450	NITROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	4800.	4800.	4800.	4800.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	350.	350.	350.	350.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	06/22/94-06/22/94	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	06/22/94-06/22/94	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1	740.	740.	740.	740.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/22/94-06/22/94	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/22/94-06/22/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/22/94-06/22/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0018

NPS Station ID: VAFO0018
LAT/LON: 40.110559/ -75.428892
Agency: 11NPSWRD
Date Created: 07/17/99
Location: SCHUYLKILL RIVER ABOVE LAMB RUN
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_05
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SITE 5 IS LOCATED WITHIN VALLEY FORGE NATIONAL HISTORICAL PARK AT THE SCHUYLKILL RIVER UPSTREAM OF LAMB RUN. THE SAMPLE WAS COLLECTED FROM THE STREAM BOTTOM 100 FEET UPSTREAM OF LAMB RUN AND 2 FEET FROM THE LEFT (LOOKING DOWNSTREAM) EDGE OF THE WATER. THE SITE IS ADJACENT TO A HIKING TRAIL. DATA AND LAT/LONG VALUES ARE FROM USGS WATER RESOURCES INVESTIGATIONS REPORT 97-4120 "METALS; PESTICIDES; AND SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT IN VALLEY FORGE NATIONAL HISTORICAL PARK; MONTGOMERY COUNTY; PENNSYLVANIA" (REIF & SLOTO; 1997). FOR INFORMATION ABOUT THE PARK CONTACT NATURAL RESOURCES; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	02/01/95-02/01/95	1	74.	74.	74.	74.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	02/01/95-02/01/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	1	510.	510.	510.	510.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	02/01/95-02/01/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	470.	470.	470.	470.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	460.	460.	460.	460.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	770.	770.	770.	770.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	500.	500.	500.	500.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1	730.	730.	730.	730.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	02/01/95-02/01/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	02/01/95-02/01/95	1	430.	430.	430.	430.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/01/95-02/01/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	02/01/95-02/01/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/01/95-02/01/95	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/01/95-02/01/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50909	BENZO(A)ANTHRACENE SEDIMENT DRY WEIGHT BOTTOMUG/KG	02/01/95-02/01/95	1	430.	430.	430.	430.	0.	0.	**	**	**	**
61276	CHLORDANE,TOTAL, IN BOTTOM MATERIAL UG/KG	02/01/95-02/01/95	1	22.	22.	22.	22.	0.	0.	**	**	**	**
61735	NAPTHALENES,TOTAL IN BOTTOM DEPOSITS DRY WGT UG/KG	02/01/95-02/01/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
61848	CHROMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
61849	CADMIUM TOTAL RECOVERABLE IN SEDIMENT DRYWGT UG/G	02/01/95-02/01/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61850	COPPER TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	50.	50.	50.	50.	0.	0.	**	**	**	**
61851	IRON TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	1	420000.	420000.	420000.	420000.	0.	0.	**	**	**	**
61852	LEAD TOTAL RECOVERABLE IN SEDIMENT, DRY WGT UG/G	02/01/95-02/01/95	1	60.	60.	60.	60.	0.	0.	**	**	**	**
61853	MANGANESE TOTAL RECOVER. IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	23000.	23000.	23000.	23000.	0.	0.	**	**	**	**
61854	MERCURY TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
61855	ZINC TOTAL RECOVERABLE IN SEDIMENT DRY WGT UG/G	02/01/95-02/01/95	1	6000.	6000.	6000.	6000.	0.	0.	**	**	**	**
75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	02/01/95-02/01/95	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	02/01/95-02/01/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0019

NPS Station ID: VAFO0019 LAT/LON: 40.164449/ -75.433616 Agency: 112WRD Date Created: / /
Location: SKIPPACK CREEK NEAR COLLEGEVILLE, PA. FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01473120
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 17.90 On/Off RF1:
RF3 Index: 02040203004005.03 RF3 Mile Point: 5.02 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/69-06/25/80	94	9.	11.622	30.	0.	82.208	9.067	1.	4.	20.625	25.5
00060	FLOW, STREAM, MEAN DAILY CFS	03/11/69-02/02/73	84	62.	440.369	5820.	2.	1323942.091	1150.627	9.5	28.5	168.25	1135.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/06/79-06/25/80	13	463.	978.077	3840.	12.	1221723.077	1105.316	33.6	133.	1670.	3084.
00065	STAGE, STREAM (FEET)	09/06/79-06/25/80	13	3.21	3.878	8.34	1.06	5.058	2.249	1.228	1.855	5.8	7.488
00080	COLOR (PLATINUM-COBALT UNITS)	03/11/69-03/03/72	25	4.	4.56	18.	0.	12.173	3.489	1.6	3.	5.	8.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/69-06/25/80	41	345.	376.537	1004.	121.	36758.755	191.726	145.6	239.	462.5	633.6
00400	PH (STANDARD UNITS)	03/11/69-06/25/80	40	7.6	7.55	8.4	6.7	0.236	0.486	6.81	7.125	7.975	8.2
00400	CONVERTED PH (STANDARD UNITS)	03/11/69-06/25/80	40	7.6	7.296	8.4	6.7	0.302	0.549	6.81	7.125	7.975	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/69-06/25/80	40	0.025	0.051	0.2	0.004	0.003	0.057	0.006	0.011	0.075	0.155
00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/71-03/03/72	2	5.35	5.35	9.6	1.1	36.125	6.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/11/69-03/03/72	28	52.5	60.179	121.	25.	723.115	26.891	28.6	38.	75.	106.1
00440	BICARBONATE ION (MG/L AS HCO3)	03/11/69-03/03/72	28	64.5	73.179	147.	30.	1055.337	32.486	34.5	46.5	91.75	128.1
00445	CARBONATE ION (MG/L AS CO3)	06/26/69-03/03/72	21	0.	0.095	2.	0.	0.19	0.436	0.	0.	0.	0.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/12/71-03/03/72	2	2.7	2.7	3.5	1.9	1.28	1.131	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/09/70-08/12/71	12	2.05	2.323	4.6	0.29	1.622	1.273	0.38	1.825	3.	4.51
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/11/69-03/03/72	28	121.	120.75	192.	43.	1047.157	32.36	77.9	105.75	130.	179.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/11/69-03/03/72	28	63.5	60.607	86.	14.	319.729	17.881	32.3	55.	75.	80.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/11/69-03/03/72	28	31.5	31.571	54.	10.	86.995	9.327	19.6	26.5	35.5	45.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/11/69-03/03/72	27	10.	10.096	16.	4.3	6.461	2.542	6.66	9.	12.	14.
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/09/69-10/12/71	17	31.	33.718	98.	5.2	414.755	20.366	13.84	20.5	37.5	64.4
00931	SODIUM ADSORPTION RATIO	03/11/69-10/12/71	27	1.2	1.396	3.2	0.3	0.401	0.633	0.78	1.	1.6	2.62
00932	SODIUM, PERCENT	03/11/69-10/12/71	27	35.	36.778	55.	20.	65.256	8.078	27.6	32.	41.	49.8
00933	SODIUM,PLUS POTASSIUM (MG/L)	03/11/69-03/03/72	12	31.5	37.058	82.	15.	402.659	20.066	16.41	24.25	41.75	78.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/09/69-10/12/71	17	3.9	4.153	7.3	1.3	2.185	1.478	2.1	3.2	5.1	6.42
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/69-03/03/72	28	43.5	46.5	117.	6.	483.37	21.986	21.6	33.	54.5	79.4
00945	SULFATE, TOTAL (MG/L AS SO4)	03/11/69-03/03/72	27	63.	65.519	138.	15.	586.259	24.213	44.2	53.	72.	103.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/69-10/12/71	16	0.65	0.925	4.8	0.1	1.235	1.111	0.24	0.4	1.025	2.63
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/69-10/12/71	20	8.8	8.07	15.	1.6	13.9	3.728	2.28	4.55	10.75	13.7
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/21/80-06/25/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/21/80-06/25/80	12	0.	0.083	1.	0.	0.083	0.289	0.	0.	0.	0.7
01027	CADMIUM, TOTAL (UG/L AS CD)	09/06/79-06/25/80	13	0.	0.077	1.	0.	0.077	0.277	0.	0.	0.	0.6
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/21/80-06/25/80	12	1.	4.167	23.	0.	56.879	7.542	0.	1.	2.5	21.2
01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/21/80-06/25/80	12	7.	11.25	31.	4.	74.75	8.646	4.3	5.25	15.25	29.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/06/79-06/25/80	13	8.	14.538	54.	4.	238.936	15.458	4.4	6.	15.5	49.2
01040	COPPER, DISSOLVED (UG/L AS CU)	03/21/80-06/25/80	12	6.5	8.25	22.	3.	33.659	5.802	3.3	4.25	8.	20.8
01041	COPPER, SUSPENDED (UG/L AS CU)	03/21/80-06/25/80	12	8.5	16.917	88.	1.	605.72	24.611	1.3	3.	19.5	72.7
01042	COPPER, TOTAL (UG/L AS CU)	09/06/79-06/25/80	13	13.	24.231	110.	6.	809.526	28.452	6.8	8.	31.	84.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/21/80-06/25/80	12	0.	0.667	3.	0.	1.333	1.155	0.	0.	1.	3.
01050	LEAD, SUSPENDED (UG/L AS PB)	03/21/80-06/25/80	12	15.	24.25	98.	2.	827.477	28.766	2.	2.25	40.25	84.8
01051	LEAD, TOTAL (UG/L AS PB)	09/06/79-06/25/80	13	14.	23.846	99.	2.	777.641	27.886	2.	4.	36.5	81.4
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/21/80-06/25/80	12	1.5	1.667	5.	0.	3.152	1.775	0.	0.	3.	4.7
01066	NICKEL, SUSPENDED (UG/L AS NI)	03/21/80-06/25/80	12	3.5	9.583	61.	0.	300.629	17.339	0.	0.5	9.5	49.3
01067	NICKEL, TOTAL (UG/L AS NI)	09/06/79-06/25/80	13	7.	11.154	61.	0.	272.474	16.507	0.	2.	14.	46.2
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/21/80-06/25/80	12	10.	10.833	20.	10.	8.333	2.887	10.	10.	10.	17.
01091	ZINC, SUSPENDED (UG/L ZN)	03/21/80-06/25/80	12	30.	63.333	370.	0.	10769.697	103.777	0.	2.5	72.5	298.
01092	ZINC, TOTAL (UG/L AS ZN)	09/06/79-06/25/80	13	40.	77.692	380.	10.	9935.897	99.679	10.	20.	105.	284.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-09/06/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	2	9.5	9.5	19.	0.	180.5	13.435	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	3.3	3.3	6.6	0.	21.78	4.667	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.95	0.95	1.9	0.	1.805	1.344	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	2.55	2.55	5.1	0.	13.005	3.606	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	2	0.55	0.55	1.1	0.	0.605	0.778	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-11/15/79	2	13.5	13.5	27.	0.	364.5	19.092	**	**	**	**
39755	MIREX, TOTAL (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/11/69-10/12/71	19	263.	265.421	544.	75.	8740.257	93.489	172.	222.	300.	390.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/09/69-10/12/71	2	265.	265.	371.	159.	22472.	149.907	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/11/69-10/12/71	19	19.6	29.692	105.	2.64	753.466	27.449	4.44	9.62	50.5	67.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/11/69-10/12/71	19	0.36	0.361	0.74	0.1	0.016	0.128	0.23	0.3	0.41	0.53
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/07/71-02/02/73	11	99.	98.636	100.	96.	1.455	1.206	96.4	98.	100.	100.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/07/71-11/14/72	8	100.	99.625	100.	99.	0.268	0.518	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	10/10/71-11/14/72	3	100.	100.	100.	100.	0.	0.	**	**	**	**
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/07/71-02/02/73	12	49.	50.5	87.	38.	186.273	13.648	38.3	39.75	55.25	78.9
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/07/71-02/02/73	12	66.5	67.083	94.	54.	124.083	11.139	54.6	57.75	72.	88.6
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/07/71-02/02/73	12	82.5	83.083	99.	70.	61.902	7.868	71.5	78.25	88.5	96.9
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/07/71-02/02/73	12	95.	94.167	100.	86.	15.788	3.973	87.2	91.25	97.25	99.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/12/71-03/03/72	2	0.23	0.23	0.26	0.2	0.002	0.042	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/11/69-08/12/71	26	11.	12.677	26.	1.3	58.924	7.676	2.74	6.725	19.25	24.6
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/70-09/06/79	57	20.	308.158	3670.	2.	573327.885	757.184	3.8	7.	127.5	956.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/70-09/06/79	57	6.5	2490.076	48499.9	0.11	69547114.725	8339.491	0.254	0.9	78.	8739.992

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	40	0	0.00	11	0	0.00	16	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	40	0	0.00	11	0	0.00	16	0	0.00	13	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	28	0	0.00	9	0	0.00	7	0	0.00	12	0	0.00			
		Drinking Water	250.	28	0	0.00	9	0	0.00	7	0	0.00	12	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	27	0	0.00	9	0	0.00	7	0	0.00	11	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	16	1	0.06	7	1	0.14	3	0	0.00	6	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	12	0	0.00				10	0	0.00	2	0	0.00			
		Drinking Water	5.	12	0	0.00				10	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	12	0	0.00				10	0	0.00	2	0	0.00			
		Drinking Water	5.	12	0	0.00				10	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
		Drinking Water	5.	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00				10	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	12	0	0.00				10	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	12	2	0.17				10	2	0.20	2	0	0.00			
		Drinking Water	1300.	12	0	0.00				10	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	12	3	0.25				10	3	0.30	2	0	0.00			
		Drinking Water	1300.	12	0	0.00				10	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	13	4	0.31	1	0	0.00	10	4	0.40	2	0	0.00			
		Drinking Water	1300.	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	12	0	0.00				10	0	0.00	2	0	0.00			
		Drinking Water	15.	12	0	0.00				10	0	0.00	2	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	12	1	0.08				10	1	0.10	2	0	0.00			
		Drinking Water	15.	12	6	0.50				10	6	0.60	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	13	1	0.08	1	0	0.00	10	1	0.10	2	0	0.00			
		Drinking Water	15.	13	6	0.46	1	0	0.00	10	6	0.60	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	12	0	0.00				10	0	0.00	2	0	0.00			
		Drinking Water	100.	12	0	0.00				10	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	12	0	0.00				10	0	0.00	2	0	0.00			
		Drinking Water	100.	12	0	0.00				10	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
		Drinking Water	100.	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	12	0	0.00				10	0	0.00	2	0	0.00			
		Drinking Water	5000.	12	0	0.00				10	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	12	2	0.17				10	2	0.20	2	0	0.00			
		Drinking Water	5000.	12	0	0.00				10	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	13	3	0.23	1	1	1.00	10	2	0.20	2	0	0.00			
		Drinking Water	5000.	13	0	0.00	1	0	0.00	10	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	26	0	0.00	8	0	0.00	6	0	0.00	12	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/69-06/25/80	22	3.5	7.341	24.	0.	72.319	8.504	0.	1.	14.5	23.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/69-06/25/80	11	430.	453.727	861.	209.	32395.418	179.987	223.6	305.	495.	817.8
00400	PH (STANDARD UNITS)	03/11/69-06/25/80	11	7.9	7.709	8.2	6.7	0.291	0.539	6.72	7.5	8.2	8.2
00400	CONVERTED PH (STANDARD UNITS)	03/11/69-06/25/80	11	7.9	7.352	8.2	6.7	0.431	0.657	6.72	7.5	8.2	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/69-06/25/80	11	0.013	0.044	0.2	0.006	0.005	0.068	0.006	0.006	0.032	0.191
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/70-09/06/79	15	8.	191.333	980.	2.	118884.524	344.796	2.	3.	156.	866.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/70-09/06/79	15	1.2	2252.339	12800.	0.23	21662330.597	4654.281	0.308	0.45	468.	12380.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/69-06/25/80	40	6.25	6.188	15.	0.	17.791	4.218	1.	2.25	8.75	12.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/69-06/25/80	16	239.	252.	420.	138.	10948.8	104.637	140.1	148.	339.5	412.3
00400	PH (STANDARD UNITS)	03/11/69-06/25/80	16	7.15	7.206	8.	6.7	0.127	0.357	6.7	7.	7.475	7.79
00400	CONVERTED PH (STANDARD UNITS)	03/11/69-06/25/80	16	7.147	7.09	8.	6.7	0.142	0.376	6.7	7.	7.475	7.79
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/69-06/25/80	16	0.071	0.081	0.2	0.01	0.003	0.057	0.017	0.034	0.1	0.2
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/70-09/06/79	24	18.5	471.708	3670.	2.	1122966.998	1059.701	4.5	7.	131.25	2875.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/70-09/06/79	24	6.8	4178.263	48499.9	0.14	148336353.736	12179.341	0.225	0.85	52.75	23650.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/69-06/25/80	32	22.	21.359	30.	12.	26.262	5.125	13.3	16.	26.	27.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/69-06/25/80	14	439.	458.214	1004.	121.	44236.489	210.325	218.	339.	513.	864.
00400	PH (STANDARD UNITS)	03/11/69-06/25/80	13	7.8	7.838	8.4	7.3	0.094	0.307	7.42	7.65	8.1	8.36
00400	CONVERTED PH (STANDARD UNITS)	03/11/69-06/25/80	13	7.8	7.747	8.4	7.3	0.103	0.321	7.42	7.65	8.1	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/69-06/25/80	13	0.016	0.018	0.05	0.004	0.	0.012	0.004	0.008	0.023	0.04
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/70-09/06/79	18	36.	187.444	1940.	4.	206162.144	454.051	5.8	10.5	130.	617.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/70-09/06/79	18	11.75	437.276	6079.99	0.11	2031219.647	1425.209	0.137	1.175	106.	1239.799

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0020

NPS Station ID: VAFO0020 | LAT/LON: 40.104365/ -75.436976 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: HUNTINGDON'S SPRING | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_HUNT
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT HUNTINGDON'S SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/89-08/04/98	5	15.4	14.36	17.1	10.3	6.998	2.645	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/89-08/04/98	3	131.	137.	159.	121.	388.	19.698	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/24/89-08/04/98	5	8.9	8.58	9.3	7.2	0.747	0.864	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/89-08/04/98	5	6.5	6.34	6.7	6.	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/89-08/04/98	5	6.5	6.247	6.7	6.	0.114	0.337	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/89-08/04/98	5	0.316	0.566	1.	0.2	0.159	0.399	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/89-12/28/93	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/24/89-08/04/98	5	0.23	0.18	0.38	0.	0.03	0.173	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/24/89-08/04/98	5	40.	72.8	209.	15.	6393.7	79.961	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/24/89-08/04/98	5	0.04	0.036	0.06	0.	0.	0.022	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-08/04/98	2 ##	15.	15.	30.	0.	450.	21.213	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/16/97-07/16/97	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/24/89-08/04/98	5	0.3	0.46	1.	0.2	0.103	0.321	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/24/89-08/04/98	5	13.	27.6	100.	0.	1689.3	41.101	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00				4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80	1	1	1.00				4	3	0.75			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	250.	5	0	0.00	1	0	0.00				4	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	5	4	0.80	1	1	1.00				4	3	0.75			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00				4	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	5	4	0.80	1	0	0.00				4	4	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0021

NPS Station ID: VAFO0021
LAT/LON: 40.136116/ -75.437505
Agency: 11131DWQ
Date Created: / /
Location: PERKIOMEN CR EGYPT RD BR AUDUBN
FIPS State/County: 42000 PENNSYLVANIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DEL 103 /103 /PERK 01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE
ECO Region:
RF1 Index: 02040203004
RF1 Mile Point: 1.850
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000218.28
RF3 Mile Point: 23.54
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	1.67	1.67	1.67	1.67	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	14.7	14.7	14.7	14.7	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	1	25.	25.	25.	25.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0021

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0022

NPS Station ID: VAFO0022 LAT/LON: 40.110282/ -75.439170 Agency: 112WRD Date Created: 02/24/96
Location: SCHUYLKILL RIVER BELOW MYERS RUN AT VALLEY FORGE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400637075262100
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/08/95-05/08/95	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/08/95-05/08/95	1	414.	414.	414.	414.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/08/95-05/08/95	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/08/95-05/08/95	1	7.66	7.66	7.66	7.66	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/08/95-05/08/95	1	7.66	7.66	7.66	7.66	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/95-05/08/95	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	05/08/95-05/08/95	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	05/08/95-05/08/95	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/08/95-05/08/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/08/95-05/08/95	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/08/95-05/08/95	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/08/95-05/08/95	1	520.	520.	520.	520.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/08/95-05/08/95	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/08/95-05/08/95	1	12000.	12000.	12000.	12000.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	260.	260.	260.	260.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1	580.	580.	580.	580.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/08/95-05/08/95	1	480.	480.	480.	480.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	570.	570.	570.	570.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	560.	560.	560.	560.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	680.	680.	680.	680.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	440.	440.	440.	440.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34445	NAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	660.	660.	660.	660.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	570.	570.	570.	570.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	05/08/95-05/08/95	1	410.	410.	410.	410.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	05/08/95-05/08/95	1	500.	500.	500.	500.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	05/08/95-05/08/95	1	560.	560.	560.	560.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/08/95-05/08/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1	16.	16.	16.	16.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/08/95-05/08/95	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	05/08/95-05/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0023

NPS Station ID: VAFO0023 | LAT/LON: 40.118031/ -75.439143 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: FATLANDS POND | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_FATL
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT FATLANDS POND. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/89-07/23/98	2	21.35	21.35	26.	16.7	43.245	6.576	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/98-07/23/98	1	254.	254.	254.	254.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/01/89-07/23/98	2	7.6	7.6	10.	5.2	11.52	3.394	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/89-07/23/98	2	7.2	7.2	7.5	6.9	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/89-07/23/98	2	7.104	7.104	7.5	6.9	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/89-07/23/98	2	0.079	0.079	0.126	0.032	0.004	0.067	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/89-08/01/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/89-07/23/98	2 ##	0.205	0.205	0.41	0.	0.084	0.29	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/98-07/23/98	1	79.	79.	79.	79.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/01/89-07/23/98	2 ##	0.12	0.12	0.24	0.	0.029	0.17	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/23/98-07/23/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/01/89-07/23/98	2	0.75	0.75	1.2	0.3	0.405	0.636	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/01/89-07/23/98	2	3.05	3.05	6.	0.1	17.405	4.172	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	1	0.50							2	1	0.50			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	2	1	0.50							2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0024

NPS Station ID: VAFO0024 | LAT/LON: 40.112392/ -75.439865 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: MYERS RUN | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_MYER
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT MYERS RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-07/14/98	13	18.5	17.238	24.8	5.9	32.013	5.658	6.42	14.6	20.9	23.52
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-07/14/98	5	320.	317.2	363.	256.	1527.7	39.086	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-07/14/98	13	8.7	9.008	11.9	7.2	1.829	1.352	7.52	8.35	9.05	11.86
00403	PH, LAB, STANDARD UNITS SU	08/08/89-07/14/98	13	7.5	7.654	8.	7.	0.099	0.315	7.2	7.5	8.	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/89-07/14/98	13	7.5	7.544	8.	7.	0.112	0.335	7.2	7.5	8.	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/89-07/14/98	13	0.032	0.029	0.1	0.01	0.001	0.024	0.01	0.01	0.032	0.073
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-12/17/93	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-07/14/98	12 ##	0.07	0.201	0.91	0.	0.077	0.277	0.	0.	0.37	0.76
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/93-07/14/98	11	88.	90.909	155.	34.	1374.891	37.08	34.4	65.	116.	148.6
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-07/14/98	12	0.03	0.082	0.38	0.	0.014	0.12	0.	0.	0.13	0.338
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/29/95-07/14/98	3	3.	14.333	40.	0.	496.333	22.279	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/28/93-07/15/97	5	0.	340.	1300.	0.	318000.	563.915	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-07/14/98	12	0.95	1.225	4.1	0.2	0.944	0.972	0.32	0.825	1.375	3.32
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-07/14/98	12	11.	25.167	100.	0.	1338.879	36.591	0.	0.	31.75	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	13	0	0.00	5	0	0.00				8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	5	0	0.00				8	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	5	0	0.00				8	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	4	0	0.00				7	0	0.00			
		Drinking Water	250.	11	0	0.00	4	0	0.00				7	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	12	7	0.58	4	2	0.50				8	5	0.63			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	5	2	0.40	2	1	0.50				3	1	0.33			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	12	0	0.00	4	0	0.00				8	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	12	8	0.67	4	1	0.25				8	7	0.88			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0025

NPS Station ID: VAFO0025 LAT/LON: 40.110003/ -75.440003 Agency: 112WRD Date Created: 02/24/96
Location: SCHUYLKILL RIVER ABOVE MYERS RUN AT VALLEY FORGE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400636075262400
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/08/95-05/08/95	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/08/95-05/08/95	1	415.	415.	415.	415.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/08/95-05/08/95	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/08/95-05/08/95	1	7.68	7.68	7.68	7.68	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/08/95-05/08/95	1	7.68	7.68	7.68	7.68	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/95-05/08/95	1	0.021	0.021	0.021	0.021	0.	0.	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	05/08/95-05/08/95	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	05/08/95-05/08/95	1	86.	86.	86.	86.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/08/95-05/08/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/08/95-05/08/95	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/08/95-05/08/95	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/08/95-05/08/95	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/08/95-05/08/95	1	720.	720.	720.	720.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/08/95-05/08/95	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/08/95-05/08/95	1	11000.	11000.	11000.	11000.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	300.	300.	300.	300.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1	890.	890.	890.	890.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/08/95-05/08/95	1	560.	560.	560.	560.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	800.	800.	800.	800.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	660.	660.	660.	660.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	950.	950.	950.	950.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34445	NAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	210.	210.	210.	210.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	840.	840.	840.	840.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1	860.	860.	860.	860.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	05/08/95-05/08/95	1	720.	720.	720.	720.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/08/95-05/08/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	05/08/95-05/08/95	1	650.	650.	650.	650.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/08/95-05/08/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/08/95-05/08/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/08/95-05/08/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/08/95-05/08/95	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	05/08/95-05/08/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/08/95-05/08/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/08/95-05/08/95	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	05/08/95-05/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0026

NPS Station ID: VAFO0026
LAT/LON: 40.110282/ -75.440003
Agency: 112WRD
Date Created: 02/24/96
Location: MYERS RUN AT VALLEY FORGE
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400637075262400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-05/09/95	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/09/95-05/09/95	1	22.5	22.5	22.5	22.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/09/95-05/09/95	1	359.	359.	359.	359.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/09/95-05/09/95	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/09/95-05/09/95	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/09/95-05/09/95	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-05/09/95	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-05/09/95	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	05/09/95-05/09/95	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/09/95-05/09/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/09/95-05/09/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/09/95-05/09/95	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/09/95-05/09/95	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/09/95-05/09/95	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/09/95-05/09/95	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/09/95-05/09/95	1	84.	84.	84.	84.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/09/95-05/09/95	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1	310.	310.	310.	310.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1	270.	270.	270.	270.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1	260.	260.	260.	260.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	05/09/95-05/09/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/09/95-05/09/95	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	05/09/95-05/09/95	1	210.	210.	210.	210.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/09/95-05/09/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/09/95-05/09/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/09/95-05/09/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/09/95-05/09/95	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	05/09/95-05/09/95	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/09/95-05/09/95	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	05/09/95-05/09/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0027

NPS Station ID: VAFO0027 | LAT/LON: 40.118559/ -75.440115 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: FATLANDS SPRING | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_FASP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT FATLANDS SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-07/23/98	5	13.	12.72	15.8	9.	5.947	2.439	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/97-07/23/98	2	281.5	281.5	290.	273.	144.5	12.021	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/12/93-07/23/98	5	7.4	7.54	8.8	6.	1.468	1.212	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-07/23/98	5	6.5	6.4	6.5	6.	0.05	0.224	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-07/23/98	5	6.5	6.344	6.5	6.	0.054	0.232	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-07/23/98	5	0.316	0.453	1.	0.316	0.094	0.306	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/12/93-07/23/98	4	0.25	0.215	0.36	0.	0.023	0.152	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/93-07/23/98	5	55.	87.	190.	17.	4913.5	70.096	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/93-07/23/98	5	0.04	0.144	0.43	0.	0.032	0.179	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-07/23/98	3	0.5	31.833	95.	0.	2992.583	54.705	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/12/93-07/18/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/12/93-07/23/98	5	2.	1.86	2.3	1.1	0.213	0.462	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/12/93-07/23/98	5	15.	15.2	36.	0.	205.7	14.342	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00							5	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00							5	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00							5	5	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00							5	0	0.00			
		Drinking Water	250.	5	0	0.00							5	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	5	4	0.80							5	4	0.80			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00							5	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	5	4	0.80							5	4	0.80			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0028

NPS Station ID: VAFO0028
LAT/LON: 40.135003/ -75.443338
Agency: 112WRD
Date Created: 03/16/79
Location: PERKIOMEN CR AT OAKS, PA.
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01473150
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203004
RF1 Mile Point: 1.850
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000500.00
RF3 Mile Point: 4.38
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/78-12/19/78	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/78-12/19/78	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/19/78-12/19/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/19/78-12/19/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/78-12/19/78	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/19/78-12/19/78	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/19/78-12/19/78	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/19/78-11/15/79	2	1.35	1.35	2.4	0.3	2.205	1.485	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/19/78-11/15/79	2	14.5	14.5	15.	14.	0.5	0.707	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/19/78-12/19/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/19/78-12/19/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/15/79	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/15/79	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/19/78-12/19/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/19/78-12/19/78	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/19/78-11/15/79	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/19/78-12/19/78	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/19/78-11/15/79	2	50.	50.	60.	40.	200.	14.142	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/19/78-12/19/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/19/78-11/15/79	2	70.	70.	80.	60.	200.	14.142	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/15/79	2	28.5	28.5	48.	9.	760.5	27.577	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.35	0.35	0.7	0.	0.245	0.495	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	1.25	1.25	2.5	0.	3.125	1.768	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.55	0.55	1.1	0.	0.605	0.778	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	2	0.75	0.75	1.5	0.	1.125	1.061	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-11/15/79	2	80.	80.	150.	10.	9800.	98.995	**	**	**	**
39755	MIREX, TOTAL (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/19/78-12/19/78	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/19/78-11/15/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00	1	1	1.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	1	1.00	1	1	1.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0029

NPS Station ID: VAFO0029
LAT/LON: 40.133920/ -75.443532
Agency: 21PENN
Date Created: 10/25/78
Location: AT BR ON EGYPT RD NEAR THE CONFL
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PER002
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203004
RF1 Mile Point: 1.750
Distance from RF1: 14.60
On/Off RF1: OFF
RF3 Index: 02040203003200.00
RF3 Mile Point: 3.43
Distance from RF3: 0.06
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM PERIOMEN CREEK - AT BRIDGE ON EGYPT ROAD NEAR THE CONF LUENCE WITH SCHUYLKILL RIVER

Parameter Inventory for Station: VAFO0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0030

NPS Station ID: VAFO0030 | LAT/LON: 40.105365/ -75.444670 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: VARNUM'S SPRING | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_VARN
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VARNUM'S SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/89-08/04/98	4	15.45	14.475	17.3	9.7	11.936	3.455	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/89-08/04/98	2	517.5	517.5	534.	501.	544.5	23.335	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/18/89-08/04/98	4	8.1	8.225	10.1	6.6	2.089	1.445	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/18/89-08/04/98	4	6.35	6.3	6.5	6.	0.06	0.245	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/89-08/04/98	4	6.325	6.247	6.5	6.	0.064	0.252	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/89-08/04/98	4	0.474	0.566	1.	0.316	0.106	0.325	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/89-12/28/93	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/18/89-08/04/98	4 ##	0.	0.085	0.34	0.	0.029	0.17	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/18/89-08/04/98	4	195.5	224.	365.	140.	10140.667	100.701	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/18/89-08/04/98	4 ##	0.02	0.053	0.17	0.	0.006	0.081	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/04/98-08/04/98	1	18.	18.	18.	18.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/10/93-08/10/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/18/89-08/04/98	4	0.95	0.975	1.4	0.6	0.149	0.386	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/18/89-08/04/98	4 ##	3.5	26.75	100.	0.	2395.583	48.945	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	250.	4	1	0.25	1	0	0.00				3	1	0.33			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	2	0.50	1	1	1.00				3	1	0.33			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00				3	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	4	2	0.50	1	0	0.00				3	2	0.67			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0031

NPS Station ID: VAFO0031 LAT/LON: 40.150281/ -75.446115 Agency: 21PA Date Created: 04/19/77
Location: SKIPPACK CRK-20YDS DWN OLD ABUTMENT FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): WQN0163 /ABMS0163 /01473140
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: DELAWARE RIVER Elevation: 0 Water Body Id:
Minor Basin: SKIPPACK CREEK ECO Region:
RF1 Index: 02040203004 RF1 Mile Point: 2.780 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040203000501.35 RF3 Mile Point: 1.36 Distance from RF3: 0.01 On/Off RF3:
Description:
20 YARDS DOWNSTREAM FROM OLD ABUTTMENT TO BRIDGE ON ARCOLA ROAD & 300 YARDS UPSTREAM OF PERKIOMEN CREEK IN LOWER PROVIDENCE TWP, MONTGOMERY COUNTY. SAMPLED BY: PENNADER, NORRISTOWN REGIONAL OFFICE. SAMPLING PT MID-CHANNEL. SAMPLING FREQUENCY: ANNUAL BIOLOGICAL, QUARTERLY CHEMICAL. PERIOD OF RECORD: 4-12-73 TO PRESENT.

Parameter Inventory for Station: VAFO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/73-11/23/87	28	13.5	13.179	30.	0.	84.319	9.183	0.	6.	20.625	25.2
00060	FLOW, STREAM, MEAN DAILY CFS	04/12/73-08/07/78	24	18.5	42.5	224.	5.	3331.043	57.715	7.	11.25	45.5	150.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/06/79-11/23/87	31	21.	46.097	413.	1.	6092.29	78.053	4.6	11.	46.	126.
00065	STAGE, STREAM (FEET)	02/17/76-11/23/87	42	1.34	1.504	3.38	0.89	0.316	0.562	1.04	1.11	1.668	2.224
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/12/73-06/11/75	6	4.5	5.833	15.	3.	20.967	4.579	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/77-02/16/82	18	4.3	33.561	450.	1.5	10925.885	104.527	1.95	2.5	15.25	88.2
00080	COLOR (PLATINUM-COBALT UNITS)	02/17/76-02/17/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/73-08/22/85	24	407.5	453.958	900.	160.	51143.433	226.149	192.5	260.	650.	825.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/73-11/23/87	48	477.5	633.979	2000.	160.	165563.595	406.895	296.	391.25	722.5	1221.5
00300	OXYGEN, DISSOLVED MG/L	06/11/75-11/23/87	24	9.75	10.046	14.8	5.9	5.012	2.239	7.4	8.35	11.65	13.7
00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/78-08/26/87	24	1.95	2.125	6.1	0.2	1.725	1.313	0.65	1.25	2.575	4.2
00340	COD, .25N K2CR2O7 MG/L	08/07/78-11/25/86	6	30.	29.833	44.	17.	84.967	9.218	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/73-11/23/87	26	7.85	7.896	9.2	6.9	0.372	0.61	7.17	7.4	8.4	8.86
00400	CONVERTED PH (STANDARD UNITS)	04/12/73-11/23/87	26	7.847	7.579	9.2	6.9	0.476	0.69	7.17	7.4	8.4	8.86
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/73-11/23/87	26	0.014	0.026	0.126	0.001	0.001	0.03	0.001	0.004	0.04	0.068
00403p	PH, LAB, STANDARD UNITS SU	04/12/73-11/23/87	60	7.6	7.532	9.1	5.9	0.411	0.641	6.51	7.2	7.9	8.29
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/12/73-11/23/87	60	7.6	7.045	9.1	5.9	0.653	0.808	6.51	7.2	7.9	8.29
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/73-11/23/87	60	0.025	0.09	1.259	0.001	0.036	0.189	0.005	0.013	0.063	0.31
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	47	80.	81.489	154.	3.	1117.777	33.433	40.8	60.	104.	125.2
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	04/12/73-06/11/75	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	04/12/73-06/11/75	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/02/77-05/03/78	3	290.	294.	408.	184.	12556.	112.054	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/27/75-11/23/87	43	336.	412.279	1174.	100.	56267.301	237.207	194.6	254.	496.	799.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-11/25/86	9	8.	10.333	26.	4.	47.	6.856	4.	5.5	13.	26.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/73-11/23/87	49	0.27	0.895	11.1	0.01	3.17	1.781	0.06	0.115	0.815	2.5
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	47	0.056	0.088	0.374	0.016	0.006	0.075	0.026	0.036	0.106	0.186
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	56	3.605	3.665	7.5	0.22	2.494	1.579	1.398	2.895	4.748	5.906
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/81-11/25/86	2	1.09	1.09	1.52	0.66	0.37	0.608	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/73-11/23/87	49	1.02	1.392	6.49	0.13	1.254	1.12	0.36	0.62	2.2	2.64
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	47	108.	117.957	210.	50.	1408.607	37.531	76.8	94.	138.	177.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/12/73-06/11/75	6	24.8	25.6	32.8	20.	27.392	5.234	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-11/23/87	40	30.5	32.143	60.	4.5	147.839	12.159	19.22	24.8	39.575	50.17
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/12/73-06/11/75	7	6.5	10.571	32.	4.5	93.619	9.676	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-11/23/87	40	10.6	11.124	25.5	0.	29.554	5.436	4.2	8.5	14.85	18.38
00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/73-11/23/87	47	72.	218.064	5050.	13.	529172.539	727.442	33.	48.	151.	257.2
00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/73-11/23/87	47	43.	49.638	260.	15.	1261.497	35.518	24.8	35.	55.	67.8
01002	ARSENIC, TOTAL (UG/L AS AS)	08/26/80-08/26/87	8 ##	2.25	3.	6.	2.	2.5	1.581	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/07/78-08/26/87	9 ##	0.5	0.572	1.5	0.1	0.303	0.551	0.1	0.15	1.	1.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/07/78-08/26/87	9 ##	5.	9.	35.	2.	107.25	10.356	2.	2.	10.	35.
01042	COPPER, TOTAL (UG/L AS CU)	08/07/78-08/26/87	9 ##	25.	26.111	50.	5.	211.111	14.53	5.	15.	35.	50.
01045	IRON, TOTAL (UG/L AS FE)	04/12/73-11/23/87	47	260.	1418.085	45000.	80.	42660733.21	6531.518	108.	140.	580.	1052.
01051	LEAD, TOTAL (UG/L AS PB)	08/07/78-08/26/87	9 ##	2.5	7.667	25.	2.	98.188	9.909	2.	2.	15.5	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/78-08/26/87	10	90.	93.	180.	30.	1823.333	42.701	32.	65.	110.	176.
01067	NICKEL, TOTAL (UG/L AS NI)	08/07/78-08/26/87	9	30.	37.778	70.	10.	438.194	20.933	10.	22.5	60.	70.
01092	ZINC, TOTAL (UG/L AS ZN)	08/07/78-08/26/87	9	20.	24.444	50.	10.	177.778	13.333	10.	15.	35.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/26/80-08/26/87	8	240.	506.25	1470.	60.	256741.071	506.696	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/27/75-10/09/75	2	1750.	1750.	2400.	1100.	845000.	919.239	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	03/27/75-10/09/75	2	3.211	3.211	3.38	3.041	0.057	0.24	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1624.808								
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/11/75-06/11/75	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/11/75-06/11/75	1	3.602	3.602	3.602	3.602	0.	0.	**	**	**	**
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			4000.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/11/75-06/11/75	1	368.	368.	368.	368.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/11/75-06/11/75	1	2.566	2.566	2.566	2.566	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			368.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	40	365.	2465.9	38000.	5.	44797676.759	6693.107	20.	42.5	1475.	5000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	40	2.562	2.491	4.58	0.699	0.92	0.959	1.301	1.626	3.169	3.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			309.776								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/09/75-08/07/78	6	37.	103.	470.	10.	32453.6	180.149	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/09/75-08/07/78	6	1.568	1.632	2.672	1.	0.311	0.558	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			42.814								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	03/27/75-03/27/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	03/27/75-03/27/75	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			23.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/11/75-05/23/85	5	0.04	0.125	0.5	0.	0.045	0.212	**	**	**	**
46028	FAMILY BAETIDAE, MAYFLY, HEAD NOT DEPRESSED	11/05/73-10/02/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	11/05/73-10/02/87	1	3.	3.	3.	3.	0.	0.	**	**	**	**
46095	FAMILY PHYSIDAE, LUNG SNAILS	11/05/73-10/16/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
46098	FAMILY ANCYLIDAE, LIMPETS	11/05/73-10/02/87	1	4.	4.	4.	4.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/17/82-02/11/85	4	0.	0.	0.	0.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/23/87	40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	08/26/80-08/26/87	8 ##	1.	0.875	1.	0.5	0.054	0.231	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/12/82-11/23/87	23	4.2	7.296	32.	0.5	82.935	9.107	1.12	1.4	6.	25.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	18	1	0.06	5	0	0.00	5	0	0.00	8	1	0.13			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	24	0	0.00	7	0	0.00	6	0	0.00	11	0	0.00			
00400	PH	Fresh Chronic	9.	26	2	0.08	7	0	0.00	6	0	0.00	13	2	0.15			
		Other-Lo Lim.	6.5	26	0	0.00	7	0	0.00	6	0	0.00	13	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	60	2	0.03	15	0	0.00	13	0	0.00	32	2	0.06			
		Other-Lo Lim.	6.5	60	6	0.10	15	1	0.07	13	2	0.15	32	3	0.09			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	47	0	0.00	12	0	0.00	11	0	0.00	24	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	56	0	0.00	15	0	0.00	13	0	0.00	28	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	47	1	0.02	12	0	0.00	11	0	0.00	24	1	0.04			
		Drinking Water	250.	47	5	0.11	12	2	0.17	11	0	0.00	24	3	0.13			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

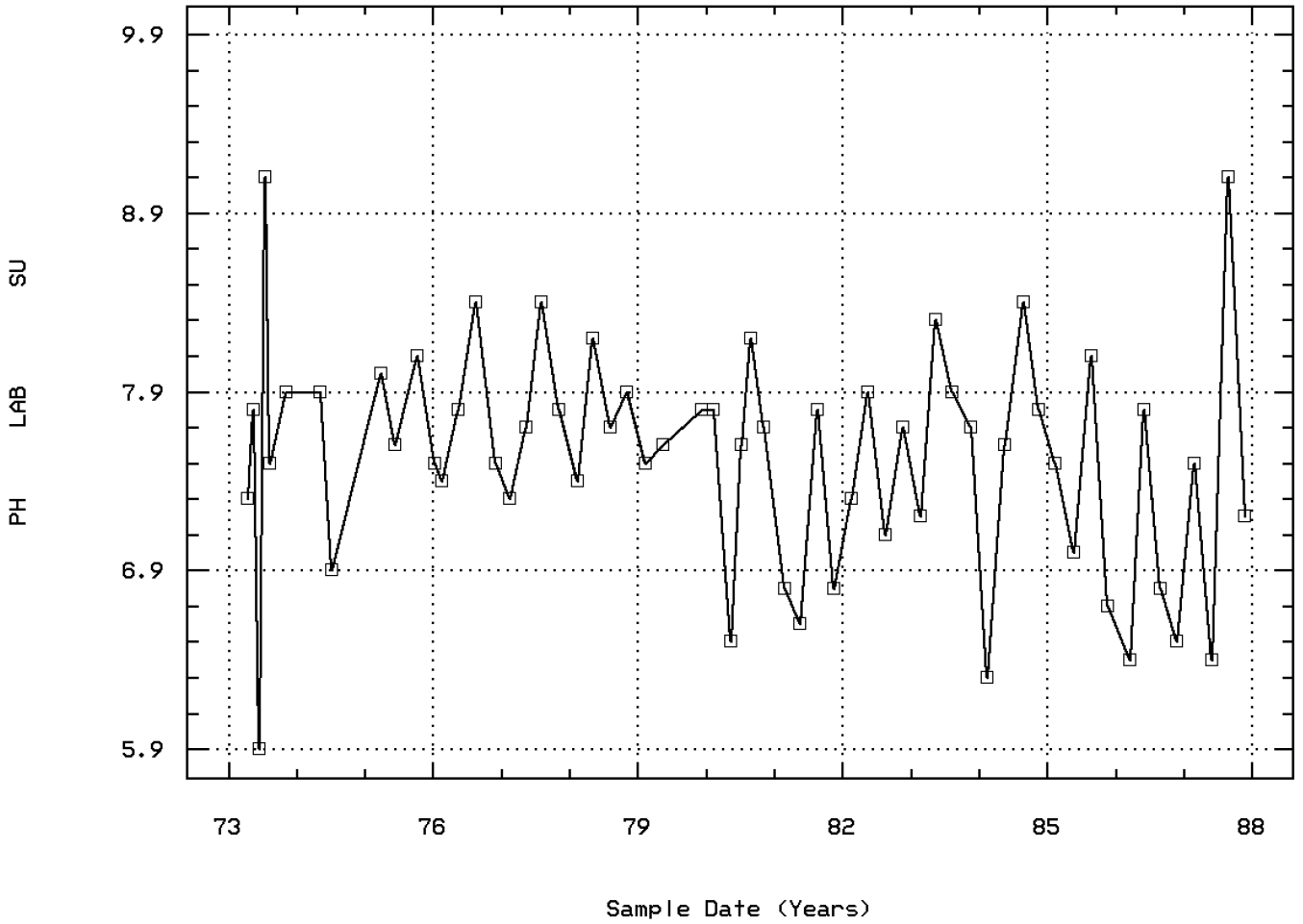
EPA Water Quality Criteria Analysis for Station: VAFO0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	47	1	0.02	12	0	0.00	11	0	0.00	24	1	0.04			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00							8	0	0.00			
		Drinking Water	50.	8	0	0.00							8	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00							9	0	0.00			
		Drinking Water	5.	9	0	0.00							9	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00							9	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	3	0.60							5	3	0.60			
		Drinking Water	1300.	9	0	0.00							9	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00							9	0	0.00			
		Drinking Water	15.	7 &	0	0.00							7	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00							9	0	0.00			
		Drinking Water	100.	9	0	0.00							9	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00							9	0	0.00			
		Drinking Water	5000.	9	0	0.00							9	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	2	1.00	1	1	1.00	1	1	1.00						
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	40	24	0.60	11	6	0.55	9	6	0.67	20	12	0.60			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00							8	0	0.00			
		Drinking Water	2.	8	0	0.00							8	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	23	0	0.00	6	0	0.00	5	0	0.00	12	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VAFO0031 Parameter Code: 00403

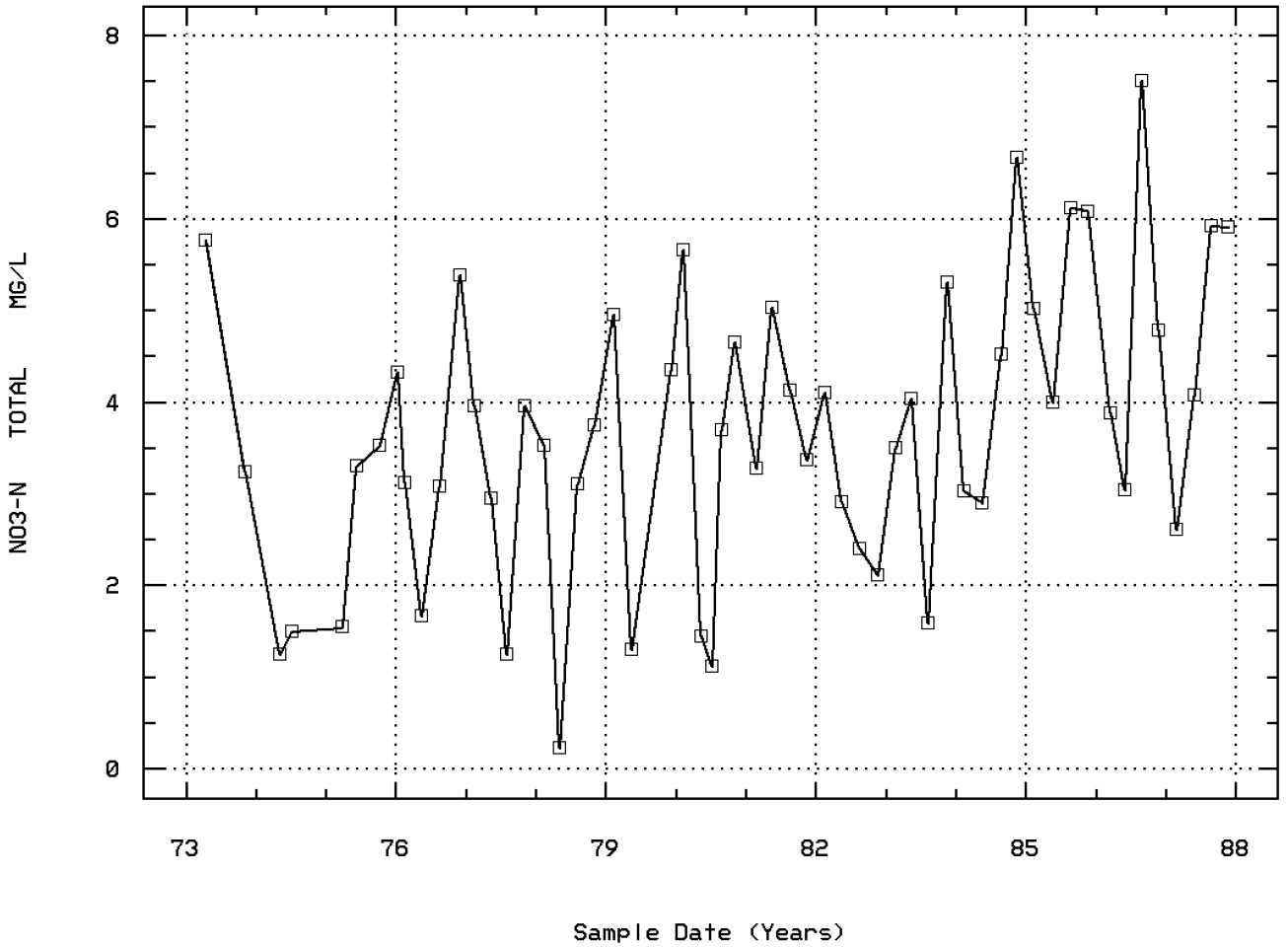
PH, LAB, STANDARD UNITS



SKIPPACK CRK-20YDS DWN OLD ABUTMENT

Station: VAFO0031 Parameter Code: 00620

NITRATE NITROGEN, TOTAL (MG/L AS N)



SKIPPACK CRK-20YDS DWN OLD ABUTMENT

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/06/79-11/23/87	9	26.	29.444	76.	10.	417.278	20.427	10.	12.	37.5	76.
00065	STAGE, STREAM (FEET)	02/17/76-11/23/87	10	1.33	1.421	1.85	1.06	0.072	0.267	1.074	1.2	1.648	1.844
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/73-08/22/85	7	395.	424.286	800.	190.	41186.905	202.946	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/73-11/23/87	12	585.	653.75	1150.	365.	84486.932	290.666	375.5	431.25	937.5	1148.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/78-08/26/87	6	2.05	2.567	6.1	0.7	3.591	1.895	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/12/73-11/23/87	15	7.7	7.507	8.1	6.5	0.235	0.485	6.62	7.2	7.8	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	04/12/73-11/23/87	15	7.7	7.202	8.1	6.5	0.334	0.578	6.62	7.2	7.8	7.98
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/73-11/23/87	15	0.02	0.063	0.316	0.008	0.008	0.09	0.011	0.016	0.063	0.246
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	12	88.	92.667	154.	54.	951.515	30.847	56.4	66.5	118.5	144.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/27/75-11/23/87	11	400.	423.091	672.	210.	27079.491	164.558	213.2	246.	568.	666.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/73-11/23/87	13	0.29	1.716	11.1	0.03	9.225	3.037	0.058	0.22	2.53	8.024
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	12	0.088	0.112	0.264	0.032	0.006	0.075	0.034	0.049	0.181	0.244
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	15	4.35	4.491	6.67	2.11	1.508	1.228	2.788	3.52	5.38	6.31
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/73-11/23/87	13	1.21	1.542	2.94	0.37	0.937	0.968	0.39	0.595	2.585	2.82
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	12	121.5	133.25	210.	91.	1304.205	36.114	93.4	105.75	161.25	199.2
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-11/23/87	11	29.6	29.627	39.2	4.5	94.232	9.707	8.58	26.6	36.8	38.88
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-11/23/87	11	11.1	11.655	19.	4.	17.177	4.144	4.9	9.2	15.2	18.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/73-11/23/87	12	91.5	121.167	274.	33.	7236.697	85.069	36.9	52.5	205.75	267.7
00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/73-11/23/87	12	50.	47.333	66.	15.	169.152	13.006	21.	43.5	54.75	64.2
01045	IRON, TOTAL (UG/L AS FE)	04/12/73-11/23/87	12	205.	293.333	930.	90.	68787.879	262.274	93.	122.5	325.	861.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/78-08/26/87	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	11	200.	639.182	5000.	13.	2130784.364	1459.721	14.4	25.	380.	4130.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	11	2.301	2.153	3.699	1.114	0.61	0.781	1.151	1.398	2.58	3.522
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			142.118								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/23/87	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/06/79-11/23/87	7	55.	76.143	151.	12.	3257.143	57.071	**	**	**	**
00065	STAGE, STREAM (FEET)	02/17/76-11/23/87	11	1.69	1.98	3.38	1.3	0.402	0.634	1.34	1.6	2.26	3.274
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/73-08/22/85	7	260.	315.	690.	195.	29758.333	172.506	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/73-11/23/87	11	400.	461.909	1215.	230.	69781.091	264.161	244.	310.	460.	1082.
00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/78-08/26/87	6	2.5	2.667	4.6	1.6	1.083	1.041	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/12/73-11/23/87	13	7.4	7.262	8.	6.3	0.244	0.494	6.34	7.	7.5	7.92
00403	CONVERTED PH, LAB, STANDARD UNITS	04/12/73-11/23/87	13	7.4	6.961	8.	6.3	0.342	0.585	6.34	7.	7.5	7.92
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/73-11/23/87	13	0.04	0.109	0.501	0.01	0.025	0.157	0.012	0.032	0.111	0.46
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	11	48.	57.	122.	3.	1015.8	31.872	8.8	42.	82.	116.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/27/75-11/23/87	11	254.	294.	840.	100.	39783.2	199.457	112.8	174.	310.	754.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/73-11/23/87	12	1.375	1.373	4.26	0.16	1.613	1.27	0.166	0.213	1.98	3.732
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	11	0.05	0.053	0.094	0.016	0.001	0.027	0.018	0.032	0.08	0.092
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	13	3.52	3.702	5.66	1.54	1.193	1.092	1.968	3.07	4.525	5.404
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/73-11/23/87	11	0.61	0.745	2.75	0.13	0.586	0.765	0.134	0.29	0.76	2.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	11	94.	102.182	185.	72.	1138.164	33.737	73.2	80.	118.	176.
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-11/23/87	10	24.95	32.38	60.	10.5	272.804	16.517	11.37	20.625	48.45	59.46
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-11/23/87	10	8.2	7.66	17.2	0.	25.205	5.02	0.06	4.65	9.85	16.69
00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/73-11/23/87	11	66.	72.273	249.	22.	3835.618	61.932	24.2	34.	74.	214.6
00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/73-11/23/87	11	38.	40.636	66.	25.	150.855	12.282	25.	35.	50.	63.8
01045	IRON, TOTAL (UG/L AS FE)	04/12/73-11/23/87	11	460.	928.182	4550.	150.	1604296.364	1266.608	164.	220.	1100.	3904.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	9	1000.	4087.778	20000.	5.	41236738.194	6421.584	5.	17.5	5200.	20000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	9	3.	2.675	4.301	0.699	1.79	1.338	0.699	1.199	3.716	4.301
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			472.83								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/23/87	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/06/79-11/23/87	15	12.	42.067	413.	1.	10773.495	103.795	2.2	7.	22.	204.8
00065	STAGE, STREAM (FEET)	02/17/76-11/23/87	21	1.12	1.293	3.21	0.89	0.239	0.489	0.982	1.055	1.36	1.772
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/73-08/22/85	10	615.	572.	900.	160.	52217.778	228.512	181.	407.5	745.	895.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/73-11/23/87	25	515.	700.2	2000.	160.	238096.333	487.951	252.	370.	860.	1658.
00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/78-08/26/87	12	1.6	1.633	3.8	0.2	0.952	0.975	0.32	0.875	2.225	3.41
00403	PH, LAB, STANDARD UNITS SU	04/12/73-11/23/87	32	7.75	7.653	9.1	5.9	0.536	0.732	6.53	7.15	8.175	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/12/73-11/23/87	32	7.747	7.021	9.1	5.9	0.949	0.974	6.53	7.15	8.175	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/73-11/23/87	32	0.018	0.095	1.259	0.001	0.054	0.233	0.004	0.007	0.072	0.297
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	24	81.	87.125	154.	34.	953.679	30.882	42.	71.	106.5	141.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/27/75-11/23/87	21	376.	468.571	1174.	191.	73643.957	271.374	210.8	270.	551.	974.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/73-11/23/87	24	0.135	0.212	0.95	0.01	0.045	0.212	0.02	0.073	0.293	0.495
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	24	0.054	0.092	0.374	0.02	0.007	0.086	0.023	0.033	0.167	0.195
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/12/73-11/23/87	28	3.06	3.205	7.5	0.22	3.169	1.78	1.228	1.523	4.108	5.939
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/73-11/23/87	25	1.26	1.599	6.49	0.26	1.548	1.244	0.49	0.875	2.2	2.574
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/73-11/23/87	24	111.	117.542	200.	50.	1457.389	38.176	66.	97.25	135.	184.5
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-11/23/87	19	32.7	33.474	53.	10.4	125.796	11.216	19.4	24.8	42.5	50.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-11/23/87	19	11.1	12.639	25.5	0.25	32.627	5.712	6.6	9.1	16.8	21.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/73-11/23/87	24	84.	333.333	5050.	13.	1024287.536	1012.071	24.5	51.	197.	469.5
00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/73-11/23/87	24	40.	54.917	260.	20.	2305.906	48.02	24.	34.	60.	91.5
01027	CADMIUM, TOTAL (UG/L AS CD)	08/07/78-08/26/87	9 ##	0.5	0.572	1.5	0.1	0.303	0.551	0.1	0.15	1.	1.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/07/78-08/26/87	9 ##	5.	9.	35.	2.	107.25	10.356	2.	2.	10.	35.
01042	COPPER, TOTAL (UG/L AS CU)	08/07/78-08/26/87	9 ##	25.	26.111	50.	5.	211.111	14.53	5.	15.	35.	50.
01045	IRON, TOTAL (UG/L AS FE)	04/12/73-11/23/87	24	240.	2205.	45000.	80.	83170069.565	9119.763	100.	132.5	510.	1020.
01051	LEAD, TOTAL (UG/L AS PB)	08/07/78-08/26/87	9 ##	2.5	7.667	25.	2.	98.188	9.909	2.	2.	15.5	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/78-08/26/87	9	90.	92.222	180.	30.	2044.444	45.216	30.	60.	120.	180.
01067	NICKEL, TOTAL (UG/L AS NI)	08/07/78-08/26/87	9	30.	37.778	70.	10.	438.194	20.933	10.	22.5	60.	70.
01092	ZINC, TOTAL (UG/L AS ZN)	08/07/78-08/26/87	9	20.	24.444	50.	10.	177.778	13.333	10.	15.	35.	50.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	20	460.	2740.75	38000.	20.	70211395.461	8379.224	26.5	85.	1475.	3940.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-11/23/87	20	2.663	2.595	4.58	1.301	0.721	0.849	1.418	1.927	3.169	3.595
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			393.115								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/23/87	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0032

NPS Station ID: VAFO0032
LAT/LON: 40.150281/ -75.446115
Agency: 112WRD
Date Created: / /
Location: SKIPPACK CREEK AT ARCOLA, PA.
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01473140
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203004
RF1 Mile Point: 2.780
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000501.35
RF3 Mile Point: 1.36
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-08/03/77	19	14.	14.489	25.	0.	64.774	8.048	1.	8.	21.	24.
00058	FLOW, RATE GALLONS/MIN	05/25/50-05/25/50	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/25/70-02/17/76	2	268.5	268.5	501.	36.	108112.5	328.805	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/29/72-08/03/77	13	4.	4.488	12.	0.25	12.248	3.5	0.35	1.55	6.	11.2
00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-11/21/56	3	3.	2.667	3.	2.	0.333	0.577	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-08/03/77	21	387.	412.524	700.	180.	25721.162	160.378	241.	265.	514.	688.
00300	OXYGEN, DISSOLVED MG/L	09/25/70-08/03/77	6	8.1	8.017	12.1	4.5	7.238	2.69	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	11/06/72-08/23/73	4	2.05	2.2	3.3	1.4	0.767	0.876	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/09/75-10/09/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/25/50-08/03/77	14	7.45	7.529	9.	6.2	0.787	0.887	6.3	6.65	8.35	8.85
00400	CONVERTED PH (STANDARD UNITS)	05/25/50-08/03/77	14	7.447	6.899	9.	6.2	1.213	1.101	6.3	6.65	8.35	8.85
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-08/03/77	14	0.036	0.126	0.631	0.001	0.037	0.193	0.001	0.005	0.229	0.515
00405	CARBON DIOXIDE (MG/L AS CO2)	05/25/50-11/21/56	3	23.	22.233	38.	5.7	261.263	16.164	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	22	83.	97.864	435.	16.	6835.266	82.676	34.8	57.	115.25	145.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/29/72-05/12/77	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/29/72-08/03/77	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-11/21/56	3	71.	91.	142.	60.	1981.	44.508	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/25/50-11/21/56	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/17/76-05/12/77	4	314.	346.	464.	292.	6512.	80.697	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/09/75-08/03/77	9	288.	334.889	520.	246.	9169.111	95.755	246.	270.	414.	520.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/76-08/03/77	8	7.	23.625	128.	0.	1839.982	42.895	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/06/72-12/06/72	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/72-08/03/77	18	0.18	0.537	3.409	0.005	0.724	0.851	0.064	0.118	0.603	2.122
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/06/72-08/03/77	17	0.06	0.079	0.15	0.036	0.001	0.036	0.036	0.052	0.113	0.134
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/21/56-11/21/56	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-08/03/77	20	3.014	3.198	9.5	1.239	3.507	1.873	1.353	1.744	3.849	5.293
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/25/70-08/03/77	16	0.745	2.26	16.58	0.05	17.333	4.163	0.064	0.45	2.172	9.733
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/73-10/09/75	2	6.2	6.2	7.4	5.	2.88	1.697	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	19	106.	120.632	220.	40.	1743.135	41.751	78.	97.	150.	188.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-11/21/56	3	110.	93.333	170.	0.	7433.333	86.217	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-08/03/77	18	28.	26.367	47.	1.2	163.385	12.782	2.64	23.6	34.1	42.86
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-08/03/77	16	10.1	11.031	25.	2.5	48.834	6.988	2.85	4.375	15.625	23.25
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-06/13/50	2	7.2	7.2	8.5	5.9	3.38	1.838	**	**	**	**
00931	SODIUM ADSORPTION RATIO	05/25/50-06/13/50	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00932	SODIUM, PERCENT	05/25/50-06/13/50	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	11/21/56-11/21/56	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-06/13/50	2	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-08/03/77	20	47.5	58.75	234.	6.	2626.408	51.248	12.3	25.5	76.5	116.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-08/03/77	19	42.	49.316	130.	20.	840.895	28.998	20.	35.	58.	113.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-11/21/56	3	0.1	0.567	1.6	0.	0.803	0.896	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	05/17/76-08/03/77	6	0.17	0.17	0.22	0.12	0.002	0.049	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-11/21/56	3	7.4	11.267	19.	7.4	44.853	6.697	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/08/73-08/08/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/08/73-08/08/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/50-08/03/77	17	190.	349.706	1860.	5.	193976.471	440.428	57.	120.	410.	996.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/50-06/13/50	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/08/73-08/08/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/08/73-08/08/73	1	50.	50.	50.	50.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/12/76-05/12/77	7	0.	0.016	0.1	0.	0.001	0.037	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-11/21/56	3	231.	248.667	334.	181.	6086.333	78.015	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/25/50-06/13/50	2	228.5	228.5	255.	202.	1404.5	37.477	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/21/56	3	0.31	0.337	0.45	0.25	0.011	0.103	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/21/56-11/21/56	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	05/25/50-06/13/50	2	32.5	32.5	40.	25.	112.5	10.607	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-05/25/50	1	40.	40.	40.	40.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-11/21/56	3	40.	90.	205.	25.	9975.	99.875	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	4	0	0.00	1	0	0.00	8	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00400	PH	Fresh Chronic	9.	14	1	0.07	4	0	0.00				10	1	0.10			
		Other-Lo Lim.	6.5	14	3	0.21	4	0	0.00				10	3	0.30			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	5	0	0.00	2	0	0.00	10	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	20	0	0.00	5	0	0.00	2	0	0.00	13	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	6	0	0.00	2	0	0.00	12	0	0.00			
		Drinking Water	250.	20	0	0.00	6	0	0.00	2	0	0.00	12	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	0	0.00	5	0	0.00	2	0	0.00	12	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-08/03/77	6	9.15	9.883	25.	0.	88.162	9.389	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-08/03/77	6	281.5	387.167	700.	180.	49740.167	223.025	**	**	**	**
00400	PH (STANDARD UNITS)	05/25/50-08/03/77	4	7.55	7.8	8.7	7.4	0.367	0.606	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/25/50-08/03/77	4	7.547	7.608	8.7	7.4	0.416	0.645	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-08/03/77	4	0.028	0.025	0.04	0.002	0.	0.016	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	7	85.	84.571	122.	30.	1303.952	36.11	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-08/03/77	5	3.519	3.563	5.379	2.	1.811	1.346	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/25/70-08/03/77	5	0.44	2.128	6.799	0.05	8.149	2.855	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	6	91.5	106.5	188.	40.	2872.7	53.598	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-08/03/77	5	25.	23.48	38.4	1.2	185.872	13.633	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-08/03/77	5	4.	6.5	13.5	2.5	22.195	4.711	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-08/03/77	6	26.5	39.	118.	6.	1734.4	41.646	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-08/03/77	5	40.	36.	58.	20.	262.	16.186	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/50-08/03/77	4	250.	243.75	470.	5.	41489.583	203.69	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-08/03/77	2	4.5	4.5	8.	1.	24.5	4.95	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-08/03/77	2	350.	350.	450.	250.	20000.	141.421	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	2	57.	57.	60.	54.	18.	4.243	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-08/03/77	2	3.539	3.539	3.959	3.119	0.353	0.594	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/25/70-08/03/77	2	0.795	0.795	0.88	0.71	0.014	0.12	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	2	100.5	100.5	104.	97.	24.5	4.95	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-08/03/77	2	26.	26.	28.	24.	8.	2.828	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-08/03/77	2	9.75	9.75	11.	8.5	3.125	1.768	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-08/03/77	2	73.	73.	96.	50.	1058.	32.527	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-08/03/77	2	40.	40.	42.	38.	8.	2.828	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/50-08/03/77	2	1320.	1320.	1860.	780.	583200.	763.675	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-08/03/77	11	20.	18.818	24.	13.	16.764	4.094	13.	13.	22.	23.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-08/03/77	13	440.	433.846	700.	245.	19011.308	137.881	251.	305.	514.	660.
00400	PH (STANDARD UNITS)	05/25/50-08/03/77	10	7.3	7.42	9.	6.2	0.968	0.984	6.22	6.475	8.35	8.95
00400	CONVERTED PH (STANDARD UNITS)	05/25/50-08/03/77	10	7.289	6.778	9.	6.2	1.426	1.194	6.22	6.475	8.35	8.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-08/03/77	10	0.051	0.167	0.631	0.001	0.047	0.217	0.001	0.005	0.337	0.608
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	13	84.	111.308	435.	16.	10731.064	103.591	29.2	59.	124.	320.2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-08/03/77	13	2.849	3.005	9.5	1.239	4.804	2.192	1.279	1.519	3.37	7.508
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/25/70-08/03/77	9	0.78	2.66	16.58	0.07	27.697	5.263	0.07	0.555	1.924	16.58
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-08/03/77	11	118.	132.	220.	93.	1355.8	36.821	94.	105.	150.	208.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-08/03/77	11	31.2	27.745	47.	2.8	196.321	14.011	2.88	22.4	34.4	46.08
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-08/03/77	9	14.5	13.833	25.	3.	58.	7.616	3.	6.5	20.75	25.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-08/03/77	12	56.	66.25	234.	21.	3340.932	57.801	21.9	31.25	76.5	193.8
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-08/03/77	12	43.	56.417	130.	21.	1128.629	33.595	24.9	35.	71.25	124.9
01045	IRON, TOTAL (UG/L AS FE)	06/13/50-08/03/77	11	140.	211.818	620.	70.	25896.364	160.923	72.	110.	300.	566.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0033

NPS Station ID: VAFO0033
LAT/LON: 40.150559/ -75.446392
Agency: 21PA
Date Created: 04/15/95
Location: SKIPPACK CREEK NEAR MOUTH (ARCOLA RD)
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO
STORET Station ID(s): WQF01024-000.1 /PFBC6-105
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/14/94-09/14/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/14/94-09/14/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/14/94-09/14/94	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/14/94-09/14/94	1	81.	81.	81.	81.	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/14/94-09/14/94	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/14/94-09/14/94	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/14/94-09/14/94	1	1.73	1.73	1.73	1.73	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/14/94-09/14/94	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/14/94-09/14/94	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/14/94-09/14/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/14/94-09/14/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	09/14/94-09/14/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/14/94-09/14/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0034

NPS Station ID: VAFO0034 LAT/LON: 40.109170/ -75.448892 Agency: 112WRD Date Created: 12/10/94
Location: WETLAND BELOW ST GABES AT VALLEY FORGE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 400633075265600
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	06/22/94-06/22/94	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/22/94-06/22/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/22/94-06/22/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/22/94-06/22/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/22/94-06/22/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/22/94-06/22/94	1	740.	740.	740.	740.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/22/94-06/22/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/22/94-06/22/94	1	17000.	17000.	17000.	17000.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/22/94-06/22/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/22/94-06/22/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/22/94-06/22/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/22/94-06/22/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/22/94-06/22/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/22/94-06/22/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0035

NPS Station ID: VAFO0035
LAT/LON: 40.112642/ -75.452310
Agency: 11NPSWRD
Date Created: 10/05/99
Location: FAWN RUN
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_FAWN
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT FAWN RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/05/97	16	22.5	19.6	25.6	6.5	44.851	6.697	9.02	12.45	25.35	25.53
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-07/05/97	8	526.5	513.	706.	325.	18658.857	136.597	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/05/97	15	7.5	7.593	12.7	5.2	3.524	1.877	5.26	6.1	8.3	10.78
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/05/97	16	7.5	7.475	8.	6.4	0.177	0.42	6.68	7.35	7.7	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/05/97	16	7.5	7.221	8.	6.4	0.245	0.495	6.68	7.35	7.7	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/05/97	16	0.032	0.06	0.398	0.01	0.009	0.097	0.01	0.02	0.045	0.23
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/89-08/12/95	10 ##	0.	151.1	1138.	0.	133984.544	366.039	0.	0.	93.25	1061.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/05/97	15 ##	0.	0.458	3.	0.	0.629	0.793	0.	0.	0.69	1.83
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/93-07/05/97	12	109.	123.5	226.	28.	4431.909	66.573	36.7	64.25	187.	224.5
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/05/97	15	0.02	0.371	3.	0.	0.664	0.815	0.	0.	0.15	1.974
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/15/95-12/04/96	5	6.	12.	29.	0.	145.5	12.062	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	02/21/92-07/05/97	7	200.	1957.143	7800.	0.	10072857.143	3173.776	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/05/97	13	2.5	2.415	4.5	0.1	2.448	1.565	0.14	0.85	3.9	4.42
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/05/97	16	39.	74.206	347.	0.	10473.198	102.339	0.	0.125	100.	292.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0035

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	15	0	0.00	3	0	0.00	1	0	0.00	11	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	16	0	0.00	4	0	0.00	1	0	0.00	11	0	0.00			
		Other-Lo Lim.	6.5	16	1	0.06	4	1	0.25	1	0	0.00	11	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	3	0	0.00				9	0	0.00			
		Drinking Water	250.	12	0	0.00	3	0	0.00				9	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	15	9	0.60	3	1	0.33	1	0	0.00	11	8	0.73			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	7	4	0.57	1	1	1.00	1	1	1.00	5	2	0.40			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	13	0	0.00	3	0	0.00	1	0	0.00	9	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	16	11	0.69	4	2	0.50	1	0	0.00	11	9	0.82			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/05/97	4	11.45	12.45	20.4	6.5	34.017	5.832	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/05/97	3	8.3	7.8	8.3	6.8	0.75	0.866	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/05/97	4	7.65	7.425	8.	6.4	0.576	0.759	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/05/97	4	7.522	6.932	8.	6.4	0.9	0.949	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/05/97	4	0.03	0.117	0.398	0.01	0.035	0.188	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/05/97	4 ##	0.	0.75	3.	0.	2.25	1.5	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/05/97	3 ##	0.	0.027	0.08	0.	0.002	0.046	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/05/97	3	1.1	1.067	2.	0.1	0.903	0.95	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/05/97	4 ##	22.	36.	100.	0.	2250.667	47.441	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/05/97	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/05/97	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/05/97	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/05/97	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/05/97	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/05/97	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/05/97	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/05/97	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/05/97	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/05/97	11	24.5	23.064	25.6	12.9	14.401	3.795	14.34	22.4	25.5	25.58
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/05/97	11	7.5	7.073	9.5	5.2	1.864	1.365	5.22	6.1	8.1	9.26
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/05/97	11	7.5	7.473	8.	6.8	0.086	0.294	6.88	7.5	7.5	7.94
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/05/97	11	7.5	7.367	8.	6.8	0.099	0.314	6.88	7.5	7.5	7.94
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/05/97	11	0.032	0.043	0.158	0.01	0.002	0.04	0.012	0.032	0.032	0.139
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/05/97	10	0.37	0.387	1.05	0.	0.161	0.401	0.	0.	0.7	1.018
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/05/97	11	0.06	0.499	3.	0.	0.862	0.929	0.	0.01	0.81	2.658
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/05/97	9	3.1	2.633	4.3	0.2	2.168	1.472	0.2	1.25	3.9	4.3
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/05/97	11	48.	94.836	347.	0.	13433.375	115.902	0.04	4.	130.	331.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0036

NPS Station ID: VAFO0036 | LAT/LON: 40.085170/ -75.455781 | Agency: 11NPSWRD | Date Created: 08/28/99
Location: VALLEY CREEK AT MAXWELLS QTRS | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_TMS_6
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK AT MAXWELLS QUARTERS AND IS INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0036

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0037

NPS Station ID: VAFO0037 | LAT/LON: 40.085226/ -75.455933 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: VALLEY CREEK BEHIND MAXWELL'S | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_VAL9
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK BEHIND MAXWELL'S. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/90-02/22/92	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/90-02/22/92	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61215	FECAL COLIFORM, GENERAL #/100ML	11/13/90-01/31/92	11	400.	2295.455	13000.	0.	14527727.273	3811.526	30.	200.	2850.	11200.
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/25/90-02/22/92	17	100.	100.	100.	100.	0.	0.	100.	100.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	11	9	0.82	8	7	0.88	1	0	0.00	2	2	1.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	17	17	1.00	10	10	1.00	3	3	1.00	4	4	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0038

NPS Station ID: VAFO0038 | LAT/LON: 40.096115/ -75.455920 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: WASHINGTON'S SPRING | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_WASP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT WASHINGTON'S SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/94-01/03/94	1	12.3	12.3	12.3	12.3	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/03/94-01/03/94	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/03/94-01/03/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/94-01/03/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/94-01/03/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/03/94-01/03/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/03/94-01/03/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/03/94-01/03/94	1	48.	48.	48.	48.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/03/94-01/03/94	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/03/94-01/03/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	01/03/94-01/03/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	1	1.00	1	1	1.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0039

NPS Station ID: VAFO0039
LAT/LON: 40.084983/ -75.456013
Agency: 11NPSWRD
Date Created: 10/05/99
Location: MAXWELL'S SPRING
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_NPS_MAXW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT MAXWELL'S SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/89-07/20/98	7	13.	12.943	15.6	10.2	3.06	1.749	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/89-07/20/98	3	280.	279.667	287.	272.	56.333	7.506	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/89-07/20/98	7	9.1	9.1	10.	7.9	0.463	0.681	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-07/20/98	6	7.75	7.583	8.	6.5	0.342	0.585	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-07/20/98	6	7.682	7.166	8.	6.5	0.551	0.742	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-07/20/98	6	0.021	0.068	0.316	0.01	0.015	0.122	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/89-12/20/93	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/89-07/20/98	6 ##	0.135	0.155	0.36	0.	0.03	0.172	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/93-07/20/98	6	56.5	74.167	220.	12.	5699.367	75.494	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/14/89-07/20/98	7	0.06	0.09	0.35	0.	0.014	0.12	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/95-07/20/98	3 ##	0.	10.	30.	0.	300.	17.321	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/12/93-07/15/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/14/89-07/20/98	7	0.8	0.786	1.1	0.2	0.098	0.313	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/14/89-07/20/98	7	34.	47.014	100.	0.1	1697.101	41.196	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0039

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00				5	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	1	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	6	1	0.17	1	0	0.00				5	1	0.20			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	1	0	0.00				5	0	0.00			
		Drinking Water	250.	6	0	0.00	1	0	0.00				5	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	7	5	0.71	2	1	0.50				5	4	0.80			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	7	0	0.00	2	0	0.00				5	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	7	6	0.86	2	1	0.50				5	5	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0040

NPS Station ID: VAFO0040 LAT/LON: 40.086414/ -75.456211 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK US FROM COVERED BRIDGE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_VAL8
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK UPSTREAM FROM THE COVERED BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-09/21/89	2	17.7	17.7	19.8	15.6	8.82	2.97	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-09/21/89	2	471.5	471.5	529.	414.	6612.5	81.317	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-09/21/89	2	10.	10.	11.1	8.9	2.42	1.556	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/89-09/21/89	2	7.6	7.6	8.4	6.8	1.28	1.131	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/89-09/21/89	2	7.09	7.09	8.4	6.8	1.8	1.342	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/89-09/21/89	2	0.081	0.081	0.158	0.004	0.012	0.109	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-09/21/89	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-09/21/89	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/89-08/14/89	1	60.	60.	60.	60.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-09/21/89	2	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-09/21/89	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-09/21/89	3	100.	66.667	100.	0.	3333.333	57.735	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0040

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	1	0.50	1	1	1.00				1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	3	2	0.67	1	1	1.00				2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0041

NPS Station ID: VAFO0041 LAT/LON: 40.081486/ -75.455978 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK DS FROM WILSON RD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_VALD
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK DOWNSTREAM FROM THE WILSON ROAD BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/25/91-09/25/91	1	153.	153.	153.	153.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/91-09/25/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/25/91-09/25/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-09/25/91	1	7300.	7300.	7300.	7300.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/25/91-09/25/91	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0041

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0042

NPS Station ID: VAFO0042
LAT/LON: 40.087206/ -75.456414
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 9 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_9
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 50 YARDS DOWNSTREAM FROM THE YELLOW SPRINGS ROAD COVERED BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	335.	335.	335.	335.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	1	230.	230.	230.	230.	0.	0.	**	**	**	**
45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0043

NPS Station ID: VAFO0043
LAT/LON: 40.081171/ -75.457004
Agency: 11NPSWRD
Date Created: 04/17/99
Location: VALLEY CREEK AT WILSON ROAD BRIDGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_PSU_04
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF VALLEY CREEK AND WILSON ROAD. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	1	23.3	23.3	23.3	23.3	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/87-07/13/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-07/13/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	29000.	29000.	29000.	29000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.462	4.462	4.462	4.462	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			29000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	570.	570.	570.	570.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	2.756	2.756	2.756	2.756	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			570.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0044

NPS Station ID: VAFO0044
LAT/LON: 40.081171/ -75.457004
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_5
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE WILSON ROAD BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	465.	465.	465.	465.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	338.	338.	338.	338.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	2.86	2.86	2.86	2.86	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	234.	234.	234.	234.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	41.	41.	41.	41.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	370.	370.	370.	370.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1 ##	490.	490.	490.	490.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	510.	510.	510.	510.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00							1	1	1.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0045

NPS Station ID: VAFO0045
LAT/LON: 40.081392/ -75.456948
Agency: 21PA
Date Created: 04/19/77
Location: VALLEY CREEK AT WILSON ROAD BRIDGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WQN0154 /ABMS0154 /01473170 /PFBC6-110
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: DELAWARE RIVER
Elevation: 0
Water Body Id:
Minor Basin: VALLEY CREEK
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 18.700
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040205056417.74
RF3 Mile Point: 17.93
Distance from RF3: 0.03
On/Off RF3:
Description:
26 YARDS UPSTREAM FROM BRIDGE ON WILSON ROAD, TREDYFFRIN TWP. 0.6 RIVER MILE UPSTREAM FROM COVERED BRIDGE AT PA. RTE. 252 IN VALLEY FORGE STATE PARK. SAMPLED BY: PENNADER, NORRISTOWN REGIONAL OFFICE. SAMPLING POINT: MID-CHANNEL. SAMPLING FREQUENCY: ANNUAL BIOLOGICAL, QUARTERLY CHEMICAL PERIOD OF RECORD: 11-21-72 TO PRESENT.

Parameter Inventory for Station: VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	87	12.9	12.085	22.	0.	32.672	5.716	4.94	7.	17.5	19.06
00057p	FLOW, INDICATES IT HAS BEEN CHECKED	10/22/82-06/04/96	78	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/22/82-07/02/96	78	21.	26.41	98.	9.	304.635	17.454	14.	18.	28.25	55.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	43	23.	26.93	73.	9.	178.733	13.369	13.8	18.	35.	48.6
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	58	3.42	3.143	6.73	1.16	0.806	0.898	1.756	2.963	3.563	3.704
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/17/73-06/23/75	10	6.	7.01	15.	3.	15.534	3.941	3.06	3.9	9.75	14.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/77-02/09/82	17	5.	5.759	20.	0.5	32.208	5.675	1.3	2.25	6.25	20.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	75	405.	409.907	520.	250.	4004.302	63.28	338.	360.	475.	497.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/73-11/17/87	51	510.	504.451	615.	180.	5056.493	71.109	414.	480.	550.	574.
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	79	11.2	11.263	16.5	5.6	3.803	1.95	9.3	9.8	12.4	14.3
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	54	1.4	1.456	4.8	0.2	0.611	0.782	0.6	0.975	1.8	2.5
00310	BOD, 5 DAY, 20 DEG C MG/L	11/21/72-11/17/87	31	0.5	0.79	2.4	0.1	0.446	0.668	0.2	0.2	1.2	1.92
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	54	0.55	0.659	1.6	0.1	0.16	0.4	0.2	0.3	0.925	1.25
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	60 ##	5.	8.183	67.	0.	91.61	9.571	5.	5.	5.	16.
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	83	8.3	8.279	10.	6.4	0.211	0.459	7.8	8.11	8.46	8.7
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	83	8.3	7.927	10.	6.4	0.336	0.58	7.8	8.11	8.46	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	83	0.005	0.012	0.398	0.	0.002	0.043	0.002	0.003	0.008	0.016
00403p	PH, LAB, STANDARD UNITS SU	11/21/72-11/17/87	63	8.2	8.114	8.7	6.6	0.165	0.407	7.54	7.9	8.4	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/21/72-11/17/87	63	8.2	7.834	8.7	6.6	0.245	0.495	7.54	7.9	8.4	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-11/17/87	63	0.006	0.015	0.251	0.002	0.001	0.033	0.003	0.004	0.013	0.029
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	106	190.	183.151	272.	12.	1013.977	31.843	159.4	176.	198.	206.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	04/17/73-06/23/75	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	04/17/73-06/23/75	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	11/02/77-05/18/78	3	346.	318.667	434.	176.	17201.333	131.154	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	97	356.	353.113	496.	64.	3806.914	61.7	293.2	334.	383.	422.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	61	4.	10.828	138.	1.	386.024	19.647	1.	1.	16.	23.6
00545	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	51 ##	0.1	0.122	0.4	0.1	0.003	0.054	0.1	0.1	0.1	0.2
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	54 ##	2.5	3.602	15.	1.	5.197	2.28	2.5	2.5	5.2	6.1
00600	NITROGEN, TOTAL (MG/L AS N)	11/12/96-12/03/98	24	2.275	2.339	2.71	1.84	0.05	0.223	2.04	2.21	2.53	2.63
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	106	0.03	0.141	10.	0.	0.937	0.968	0.01	0.01	0.07	0.113
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	106	0.017	0.019	0.06	0.004	0.	0.012	0.005	0.01	0.027	0.035

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	106	2.17	2.416	14.49	1.49	1.592	1.262	1.867	1.988	2.613	2.946
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/28/94-10/08/96	30 ##	0.1	0.207	0.64	0.1	0.021	0.145	0.1	0.1	0.305	0.37
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	105	0.03	0.052	0.65	0.01	0.005	0.071	0.01	0.02	0.06	0.104
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	51	0.01	0.009	0.02	0.001	0.	0.006	0.001	0.003	0.013	0.015
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	54	1.3	1.392	3.	0.5	0.217	0.466	1.	1.1	1.525	1.95
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	52	1.3	1.331	3.2	0.	0.256	0.506	1.	1.1	1.5	1.97
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	04/20/98-07/14/98	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/09/82-07/14/98	3 ##	0.001	0.002	0.005	0.001	0.	0.003	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	105	206.	204.552	386.	5.	2140.019	46.26	170.	187.	218.	244.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/17/73-06/23/75	10	44.4	44.88	48.	42.4	3.335	1.826	42.48	43.2	46.4	47.84
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	91	48.5	46.196	61.6	4.5	118.641	10.892	30.52	44.2	53.	55.28
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/17/73-06/23/75	10	26.	25.8	43.5	13.5	66.733	8.169	13.9	19.75	29.375	42.2
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	89	27.2	27.302	48.3	6.1	41.94	6.476	21.5	24.65	30.4	33.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	106	46.	46.481	83.	15.	103.681	10.182	36.	40.	52.25	56.3
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	105	28.	29.843	56.	12.	56.006	7.484	22.6	26.	35.	40.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	54 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	60 ##	2.	2.075	5.	2.	0.16	0.399	2.	2.	2.	2.
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/01/87-10/01/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	54 ##	0.1	0.117	1.	0.1	0.015	0.122	0.1	0.1	0.1	0.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	62 ##	0.1	0.188	1.5	0.1	0.095	0.308	0.1	0.1	0.1	0.285
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	56 ##	0.5	0.786	5.	0.1	0.758	0.87	0.47	0.5	0.9	1.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	63 ##	2.	2.841	20.	2.	7.555	2.749	2.	2.	2.	5.
01040	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	54 ##	2.	2.428	20.	0.1	6.467	2.543	2.	2.	2.	2.
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	63 ##	2.	3.889	25.	2.	27.681	5.261	2.	2.	2.	10.
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	105	147.	613.552	26800.	10.	7431547.519	2726.086	50.	70.	329.5	654.
01046	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	54	13.5	20.685	157.	5.	538.107	23.197	5.	5.	25.25	44.
01049	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	54 ##	0.5	0.509	1.	0.5	0.005	0.068	0.5	0.5	0.5	0.5
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	62 ##	0.5	2.016	25.	0.5	28.655	5.353	0.5	0.5	0.5	2.5
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	62	10.6	14.326	112.	3.5	221.875	14.895	4.8	6.775	15.4	26.98
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	54	6.3	6.65	15.5	1.	11.253	3.355	3.1	3.7	8.775	12.4
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	54 ##	2.	2.5	7.	2.	1.915	1.384	2.	2.	2.	5.
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	62 ##	2.	4.081	25.	2.	26.633	5.161	2.	2.	4.25	7.
01075	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	54 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01077	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	54 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	54 ##	2.5	2.694	7.	2.5	0.693	0.832	2.5	2.5	2.5	2.5
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	63 ##	2.5	8.119	120.	2.5	427.57	20.678	2.5	2.5	2.5	10.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	60	60.5	112.283	1470.	12.	40791.766	201.97	20.	35.25	111.	218.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	52	16.	14.308	46.	5.	93.08	9.648	5.	5.	21.75	24.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	54 ##	3.5	3.528	4.	3.5	0.013	0.116	3.5	3.5	3.5	3.5
01147	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	54 ##	3.5	3.528	4.	3.5	0.013	0.116	3.5	3.5	3.5	3.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/02/75-04/02/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/02/75-04/02/75	1	1.301	1.301	1.301	1.301	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			20.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/75-06/23/75	1 ##	305.	305.	305.	305.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/75-06/23/75	1 ##	2.484	2.484	2.484	2.484	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			305.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	37	220.	390.405	3000.	1.	431733.845	657.065	12.	64.5	340.	980.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	37	2.342	2.138	3.477	0.	0.536	0.732	1.078	1.809	2.531	2.986
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			137.27								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/75-08/09/78	5	91.	860.2	4000.	10.	3082615.2	1755.738	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/75-08/09/78	5	1.959	2.104	3.602	1.	0.888	0.942	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			127.066								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	04/02/75-04/02/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	04/02/75-04/02/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			1.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	52	0.	1.077	13.	0.	5.641	2.375	0.	0.	2.25	3.
34664	PCB - 1221 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/08/95-08/08/95	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/01/87-08/08/95	6 ##	0.005	0.012	0.05	0.003	0.	0.019	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/01/87-10/01/87	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/01/87-08/08/95	6 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/01/87-08/08/95	6 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	10/01/87-08/08/95	6 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/23/75-06/23/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	5 ##	0.006	0.014	0.033	0.003	0.	0.015	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	5 ##	0.006	0.006	0.01	0.003	0.	0.004	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/28/89-08/08/95	5 ##	0.006	0.006	0.01	0.003	0.	0.004	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/28/89-08/08/95	4 ##	0.026	0.025	0.047	0.003	0.001	0.024	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/01/87-08/08/95	6 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	10/01/87-08/08/95	6	4.55	4.25	6.3	0.9	4.035	2.009	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	6 ##	0.013	0.013	0.025	0.005	0.	0.009	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	5 ##	0.02	0.04	0.13	0.005	0.003	0.051	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	6 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/01/87-08/08/95	6	0.02	0.022	0.04	0.01	0.	0.012	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	5 ##	0.01	0.008	0.01	0.005	0.	0.002	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/01/87-08/08/95	5 ##	0.01	0.012	0.024	0.005	0.	0.007	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	6	0.01	0.013	0.02	0.005	0.	0.006	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	03/11/80-08/12/93	13	1.	1.47	2.8	0.26	0.983	0.991	0.324	0.475	2.6	2.8
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/01/87-08/08/95	6 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
46015	FAMILY ASELLIDAE, AQUATIC SOW BUG	08/13/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46018	FAMILY GAMMARIDAE, SCUD	09/20/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46053	FAMILY HYDROPSYCHIDAE, CADDISFLY W/3 S PLATES	08/13/73-10/05/87	2	157.5	157.5	174.	141.	544.5	23.335	**	**	**	**
46075	FAMILY ELMIDAE, BEETLE	09/20/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46078	FAMILY TIPULIDAE, CRANE FLY	08/13/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	08/13/73-10/05/87	2	44.5	44.5	61.	28.	544.5	23.335	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	07/28/89-08/08/95	5 ##	0.006	0.007	0.01	0.003	0.	0.003	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	10/01/87-08/01/97	5	76.	74.	78.	66.	23.5	4.848	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/17/87	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71890	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	54 ##	0.1	0.107	0.2	0.1	0.001	0.026	0.1	0.1	0.1	0.1
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	60 ##	0.1	0.185	1.	0.1	0.064	0.254	0.1	0.1	0.1	0.47
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-08/17/89	2 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/12/93-08/01/97	3	0.07	0.08	0.11	0.06	0.001	0.026	**	**	**	**
71932	ZINC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-08/17/89	2	65.3	65.3	108.2	22.4	3680.82	60.67	**	**	**	**
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/28/89-09/05/91	3	0.148	0.266	0.526	0.125	0.051	0.225	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	4 ##	0.048	0.11	0.33	0.015	0.022	0.148	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	4	0.36	0.355	0.45	0.25	0.011	0.105	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	4 ##	0.213	0.216	0.39	0.05	0.034	0.184	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/87-08/01/97	4 ##	0.003	0.007	0.02	0.003	0.	0.009	**	**	**	**
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	3	0.036	0.039	0.079	0.002	0.001	0.039	**	**	**	**
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	3	2.11	9.537	24.9	1.6	177.089	13.307	**	**	**	**
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	3	0.279	0.499	1.06	0.158	0.24	0.49	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	5 ##	0.006	0.007	0.01	0.003	0.	0.003	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	5 ##	0.006	0.006	0.01	0.003	0.	0.004	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/11/80-08/01/97	15	5.	4.933	6.	3.	0.781	0.884	3.	5.	5.	6.
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/01/87-08/08/95	6 ##	0.04	0.038	0.05	0.025	0.	0.013	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	07/28/89-08/08/95	4 ##	0.01	0.013	0.025	0.005	0.	0.009	**	**	**	**
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	08/12/93-08/12/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	07/28/89-08/08/95	5 ##	0.006	0.006	0.01	0.003	0.	0.004	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	78	1.65	4.027	95.5	0.5	121.65	11.03	0.5	1.	3.7	6.85

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	0	0.00	2	0	0.00	1	0	0.00	7	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	17	0	0.00	5	0	0.00	5	0	0.00	7	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	79	0	0.00	29	0	0.00	15	0	0.00	35	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

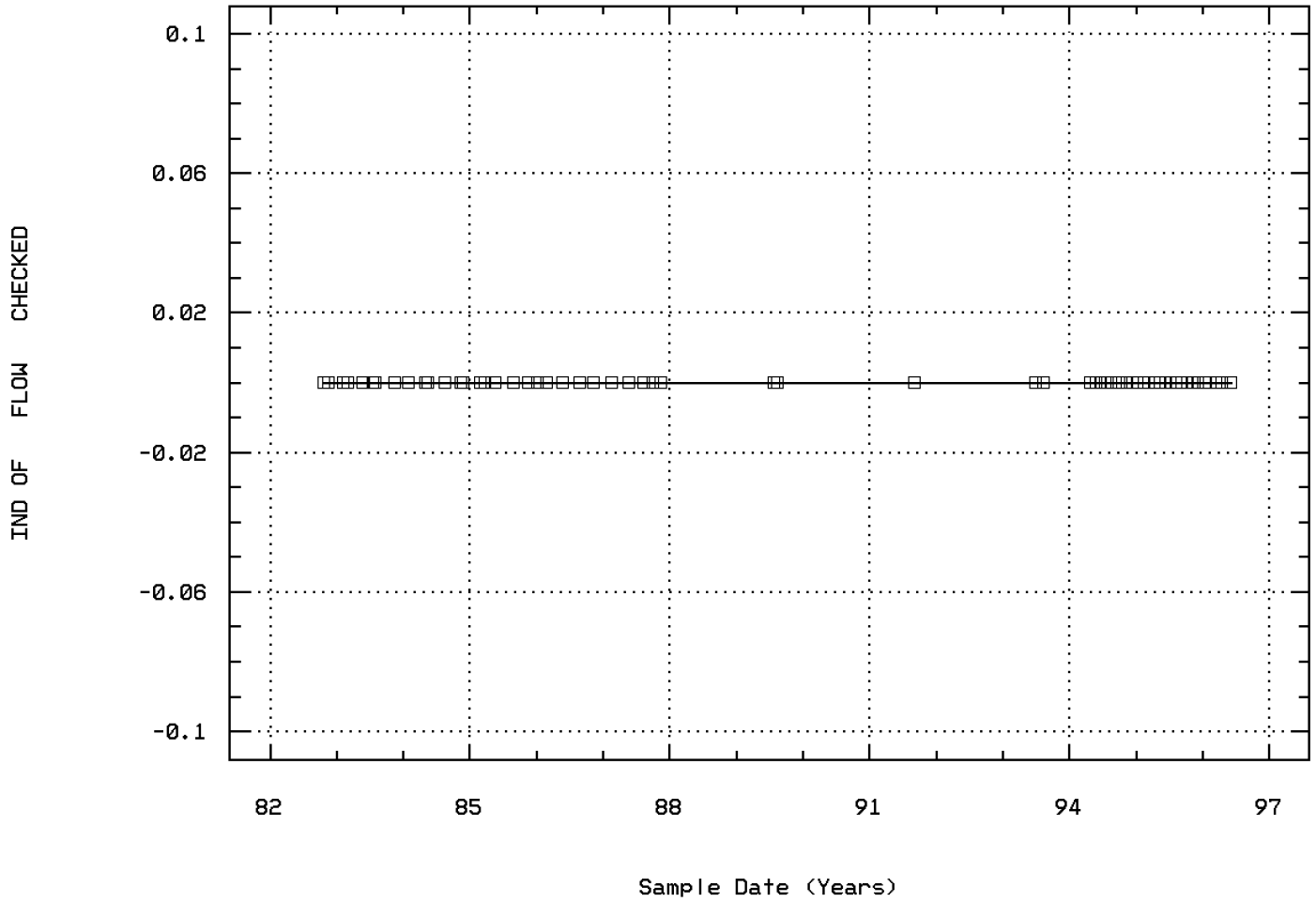
EPA Water Quality Criteria Analysis for Station: VAFO0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	83	2	0.02	30	1	0.03	14	1	0.07	39	0	0.00			
		Other-Lo Lim.	6.5	83	1	0.01	30	0	0.00	14	0	0.00	39	1	0.03			
00403	PH, LAB	Fresh Chronic	9.	63	0	0.00	18	0	0.00	13	0	0.00	32	0	0.00			
		Other-Lo Lim.	6.5	63	0	0.00	18	0	0.00	13	0	0.00	32	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	106	0	0.00	35	0	0.00	20	0	0.00	51	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	106	1	0.01	35	0	0.00	20	0	0.00	51	1	0.02			
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	2	0	0.00							2	0	0.00			
		Drinking Water	200.	2	0	0.00							2	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	0.2	3	0	0.00				1	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	106	0	0.00	35	0	0.00	20	0	0.00	51	0	0.00			
		Drinking Water	250.	106	0	0.00	35	0	0.00	20	0	0.00	51	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	105	0	0.00	34	0	0.00	20	0	0.00	51	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	50.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	60	0	0.00	21	0	0.00	9	0	0.00	30	0	0.00			
		Drinking Water	50.	60	0	0.00	21	0	0.00	9	0	0.00	30	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	5.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	62	0	0.00	21	0	0.00	9	0	0.00	32	0	0.00			
		Drinking Water	5.	62	0	0.00	21	0	0.00	9	0	0.00	32	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	56	0	0.00	21	0	0.00	9	0	0.00	26	0	0.00			
		Drinking Water	100.	56	0	0.00	21	0	0.00	9	0	0.00	26	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	63	0	0.00	21	0	0.00	10	0	0.00	32	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	53 &	0	0.00	21	0	0.00	8	0	0.00	24	0	0.00			
		Drinking Water	1300.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	61 &	2	0.03	21	0	0.00	10	0	0.00	30	2	0.07			
		Drinking Water	1300.	63	0	0.00	21	0	0.00	10	0	0.00	32	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	15.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	62	0	0.00	21	0	0.00	9	0	0.00	32	0	0.00			
		Drinking Water	15.	59 &	0	0.00	21	0	0.00	9	0	0.00	29	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	100.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	62	0	0.00	21	0	0.00	9	0	0.00	32	0	0.00			
		Drinking Water	100.	62	0	0.00	21	0	0.00	9	0	0.00	32	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	100.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	100.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	5000.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	63	1	0.02	21	0	0.00	10	0	0.00	32	1	0.03			
		Drinking Water	5000.	63	0	0.00	21	0	0.00	10	0	0.00	32	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	50.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	50.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	0 &	0	0.00												
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	37	19	0.51	10	2	0.20	8	0	0.00	19	17	0.89			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	2.	54	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	60	0	0.00	21	0	0.00	9	0	0.00	30	0	0.00			
		Drinking Water	2.	60	0	0.00	21	0	0.00	9	0	0.00	30	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	78	1	0.01	27	0	0.00	14	0	0.00	37	1	0.03			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VAFO0045 Parameter Code: 00057

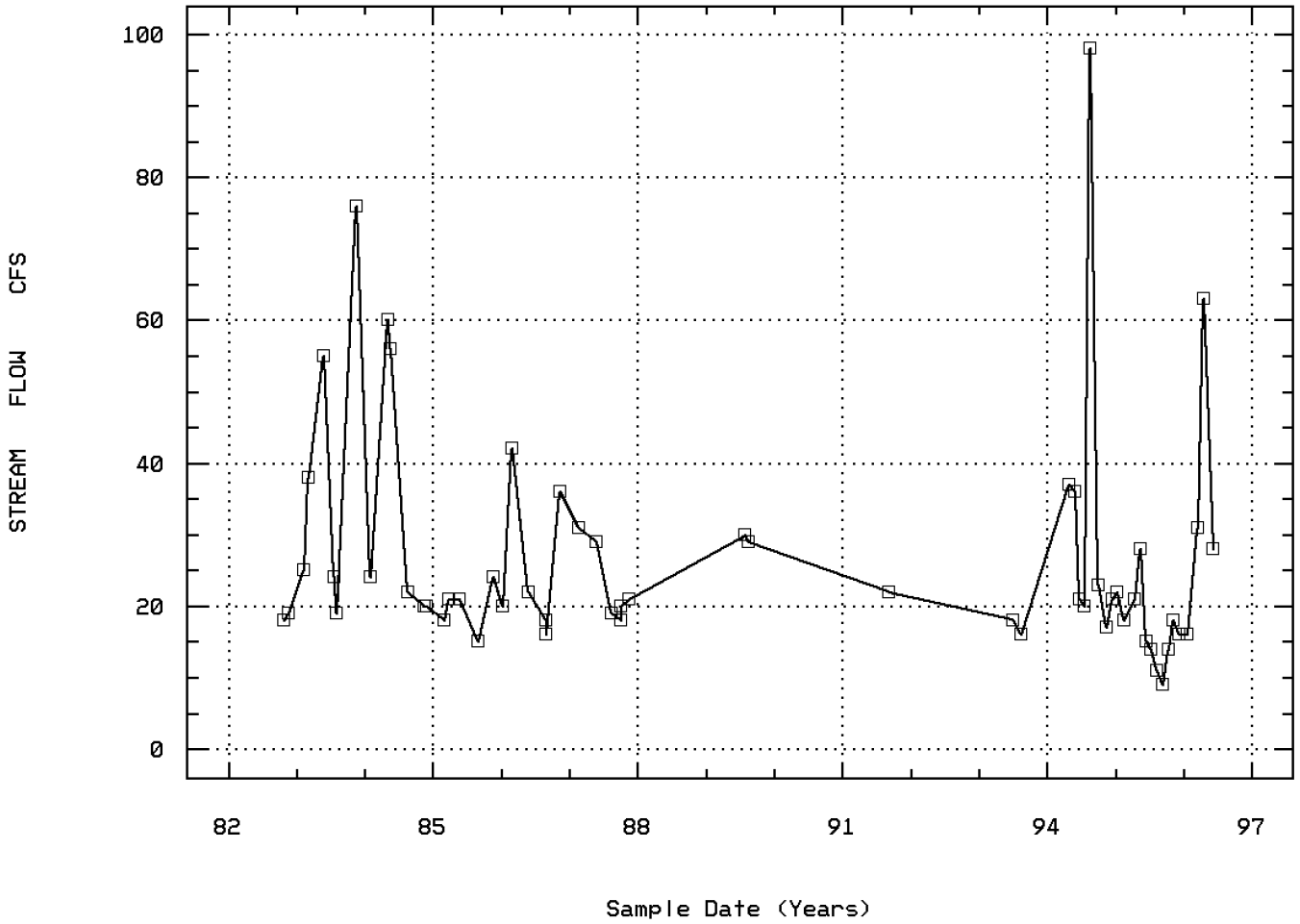
FLOW, INDICATES IT HAS BEEN CHECKED



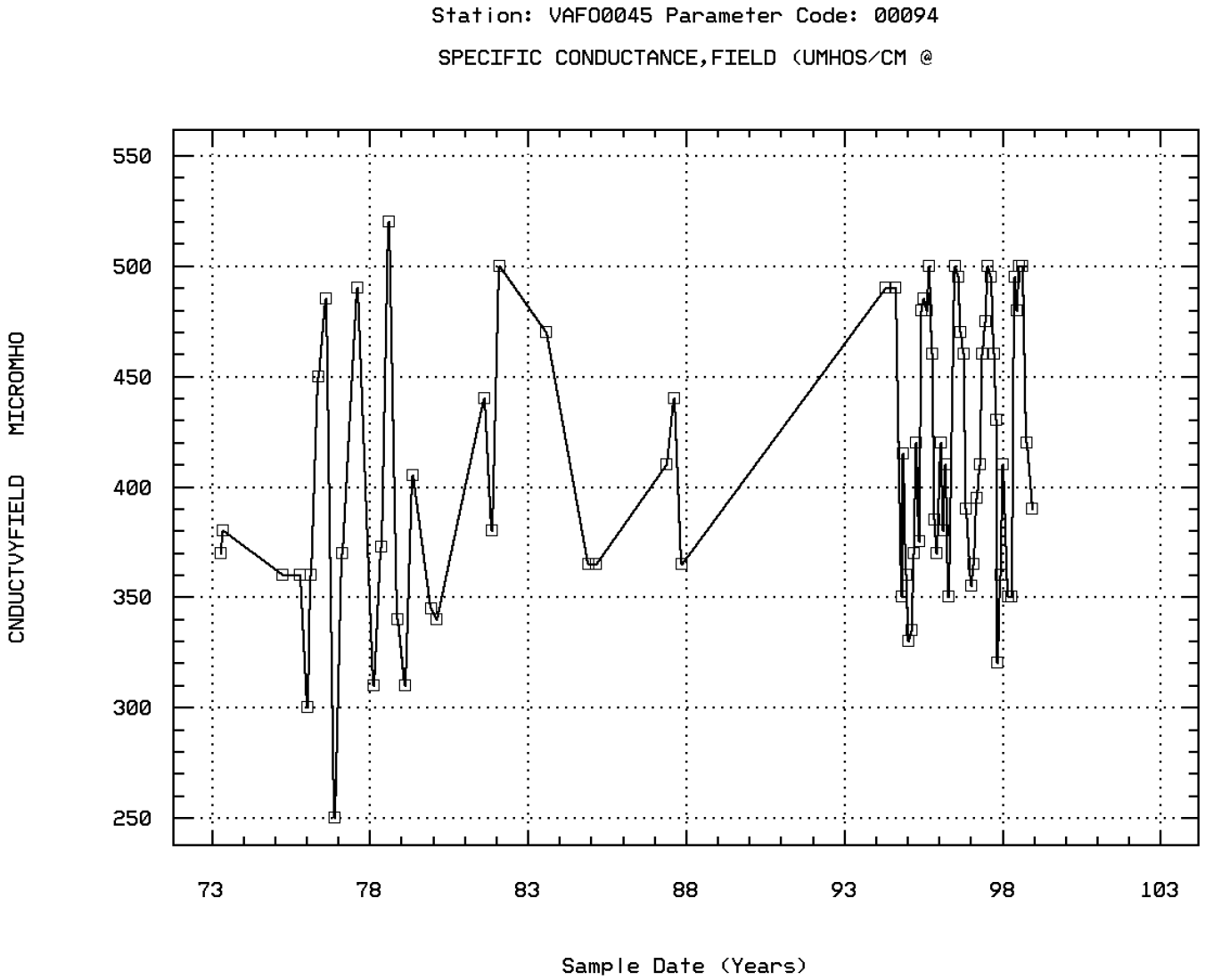
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00060

FLOW, STREAM, MEAN DAILY



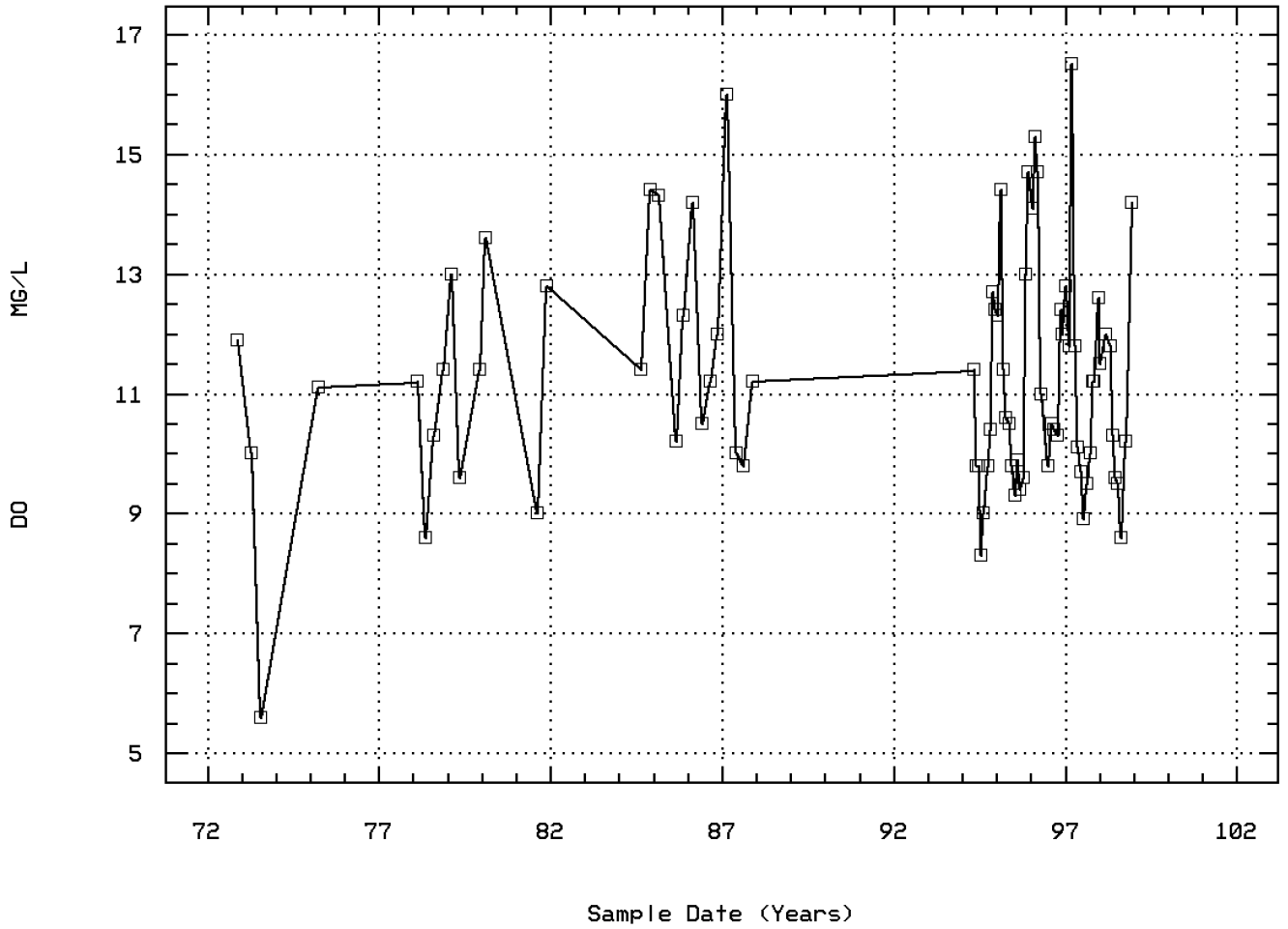
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00300

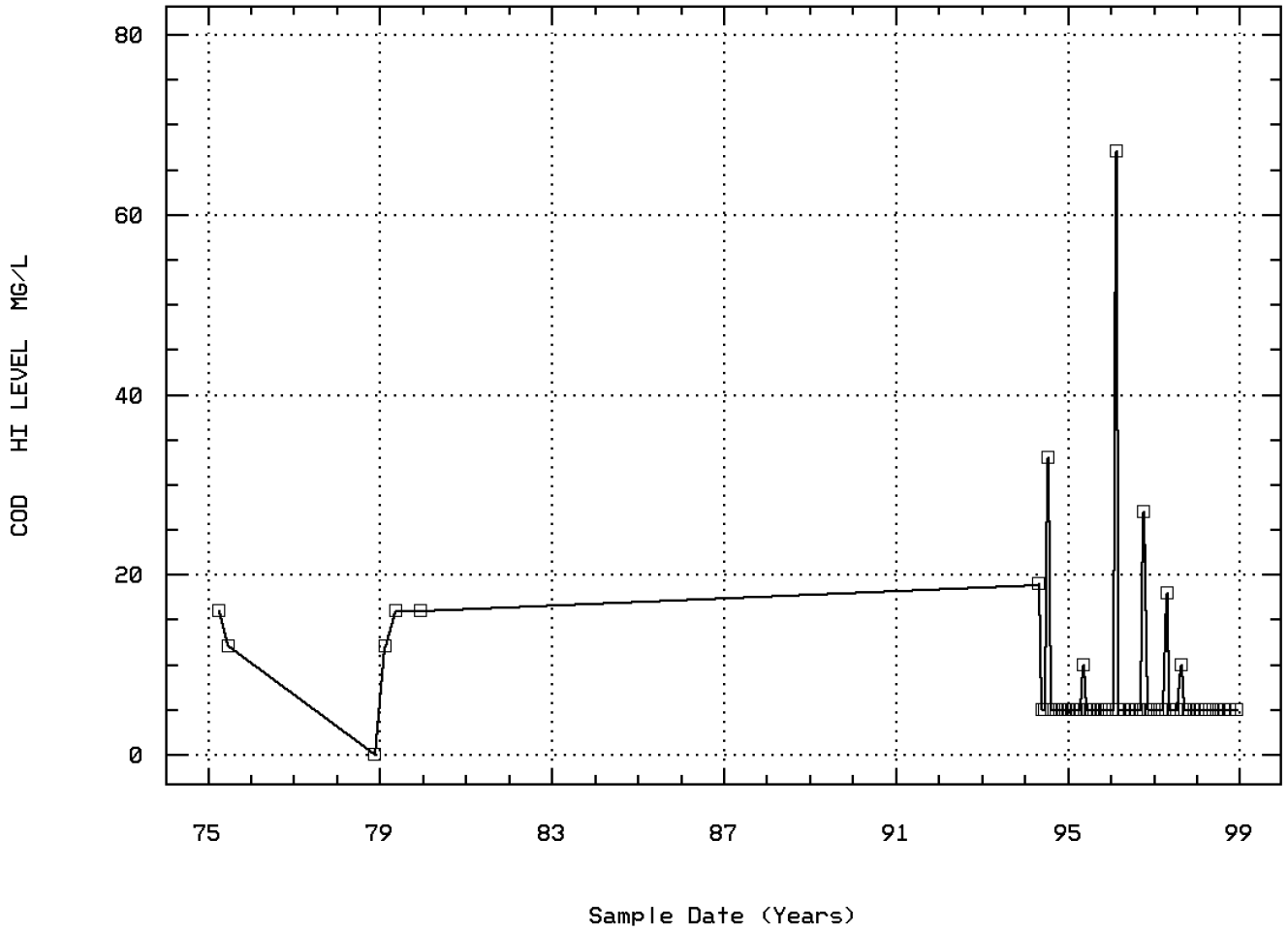
OXYGEN, DISSOLVED



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00340

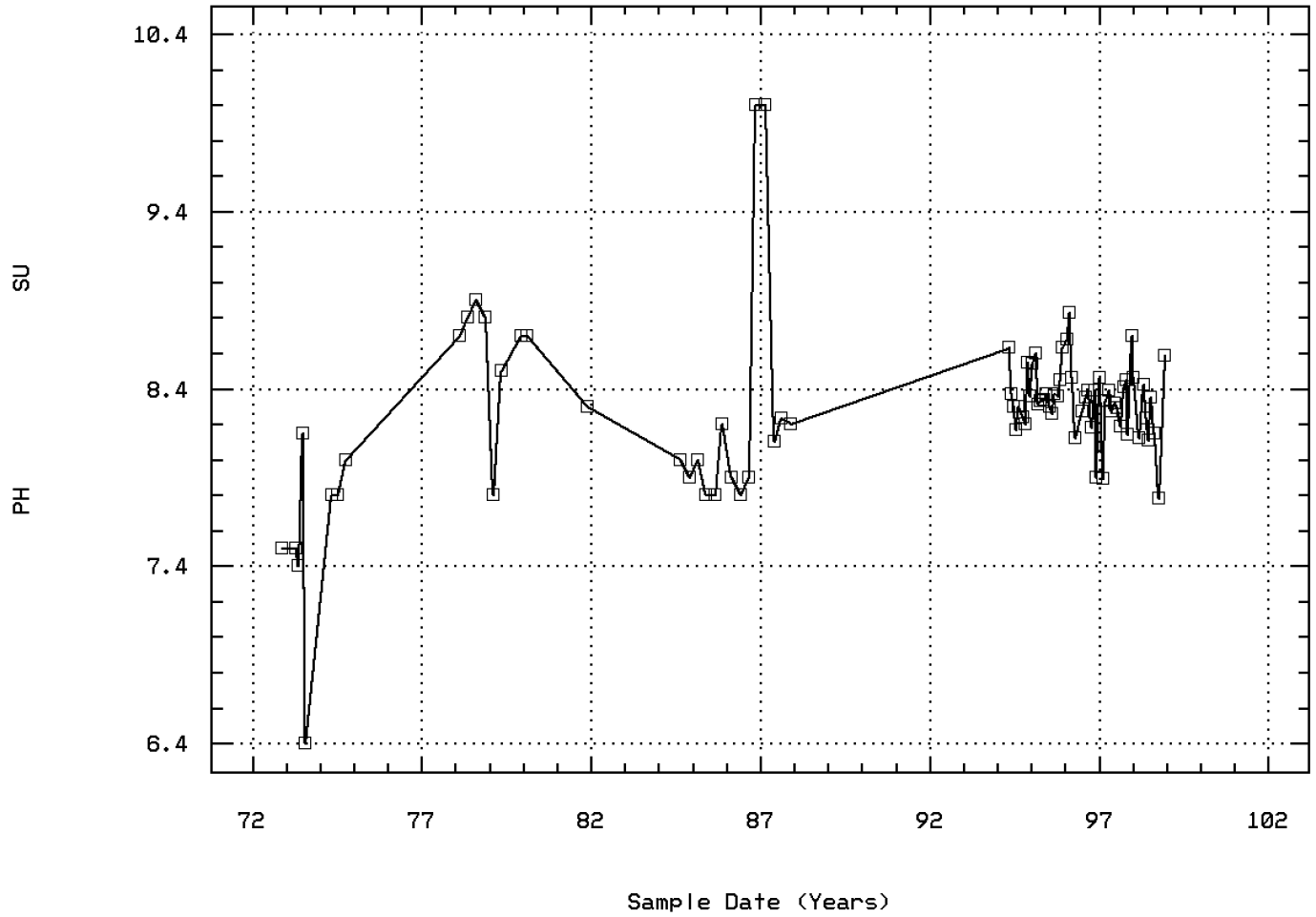
COD, .25N K2CR207



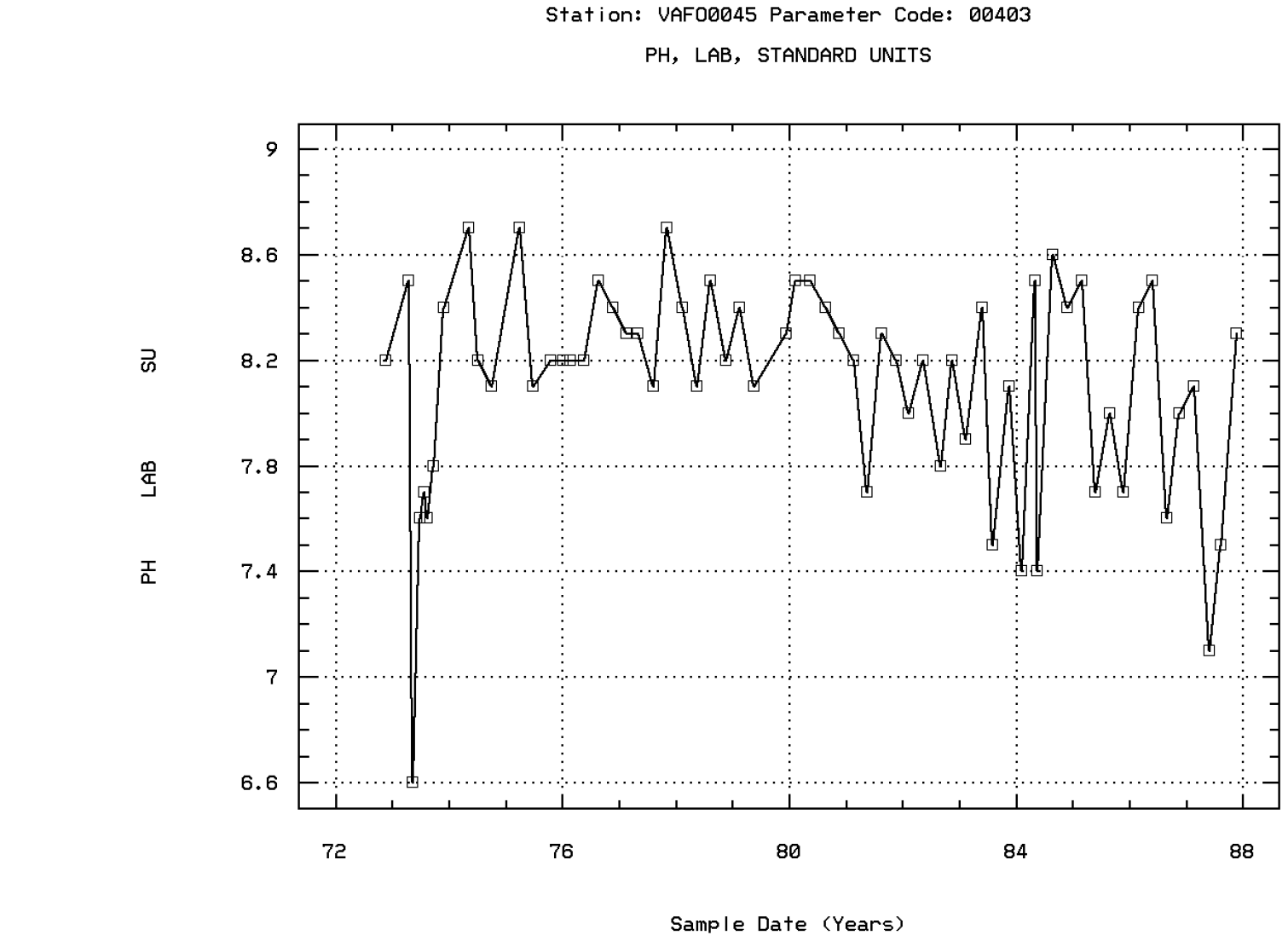
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00400

PH (STANDARD UNITS)



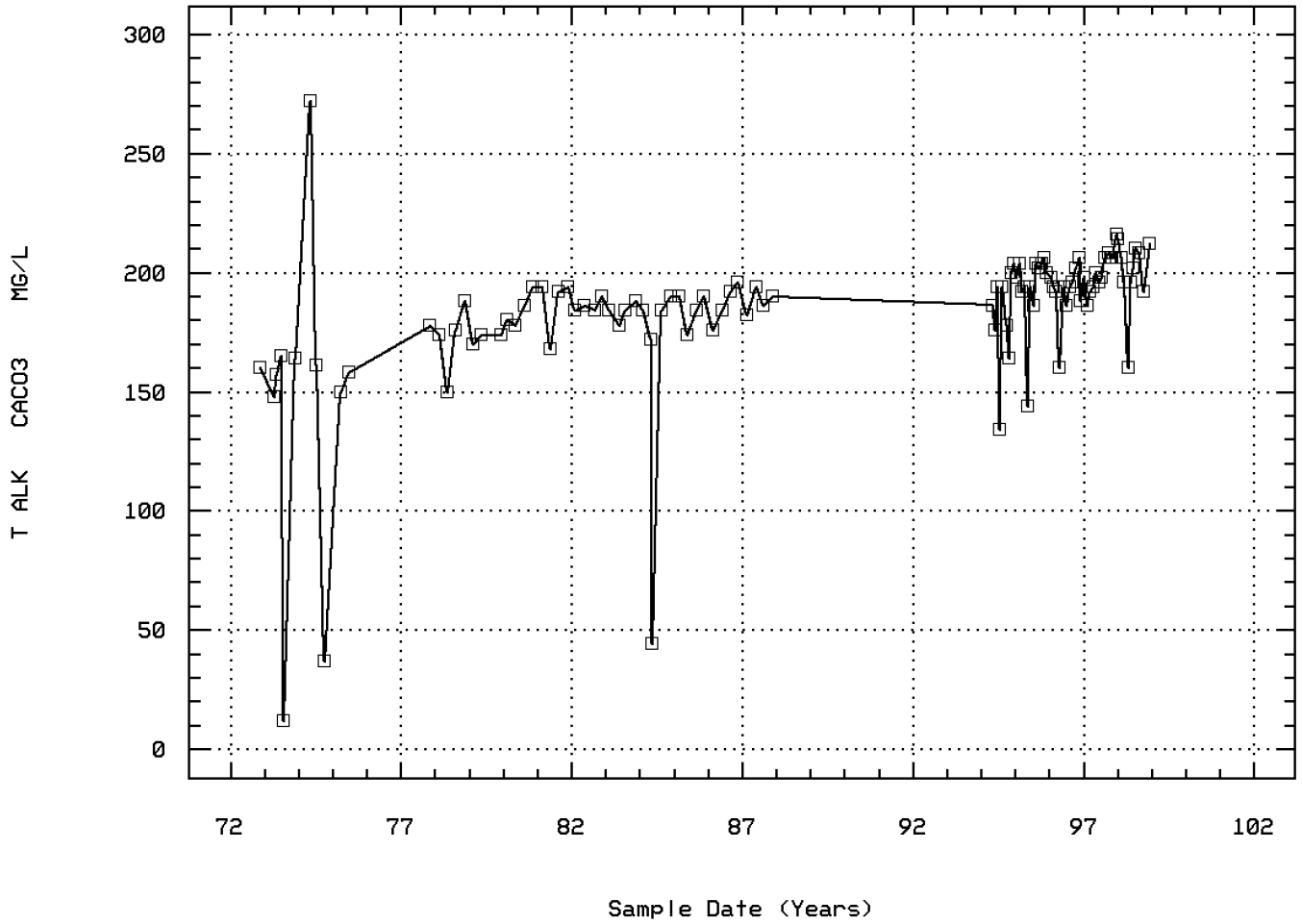
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00410

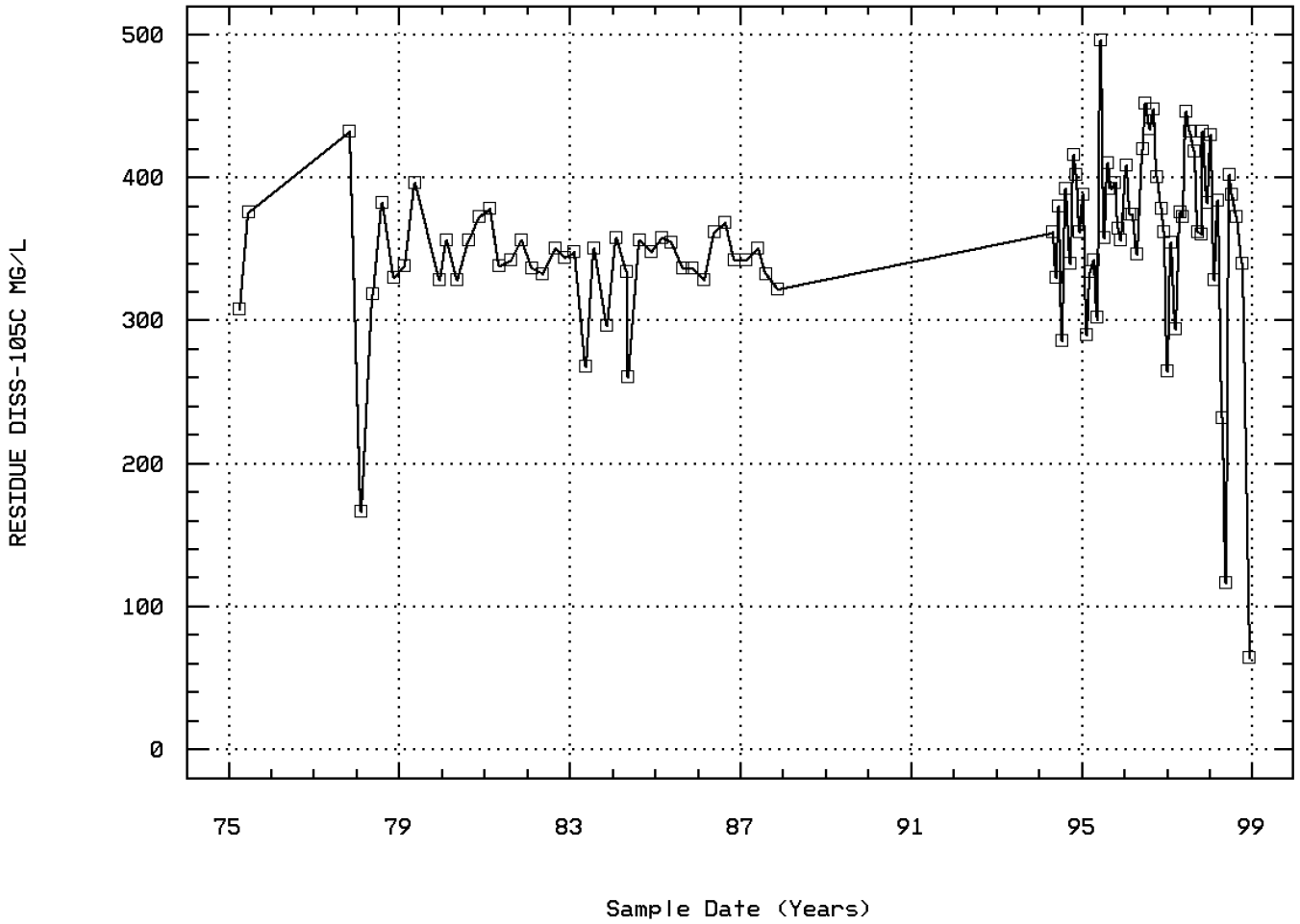
ALKALINITY, TOTAL (MG/L AS CACO3)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00515

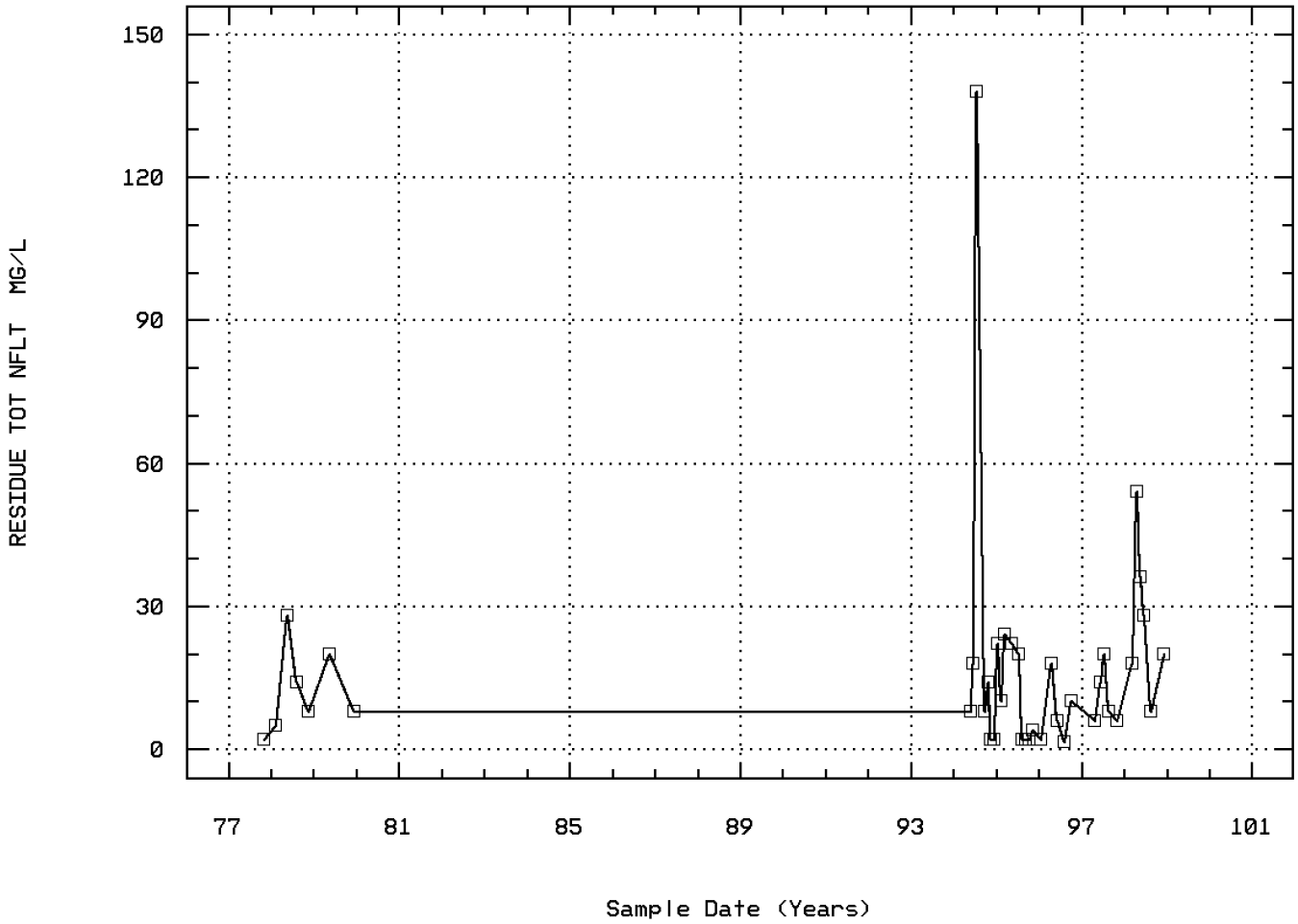
RESIDUE, TOTAL FILTRABLE (DRIED AT 105



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00530

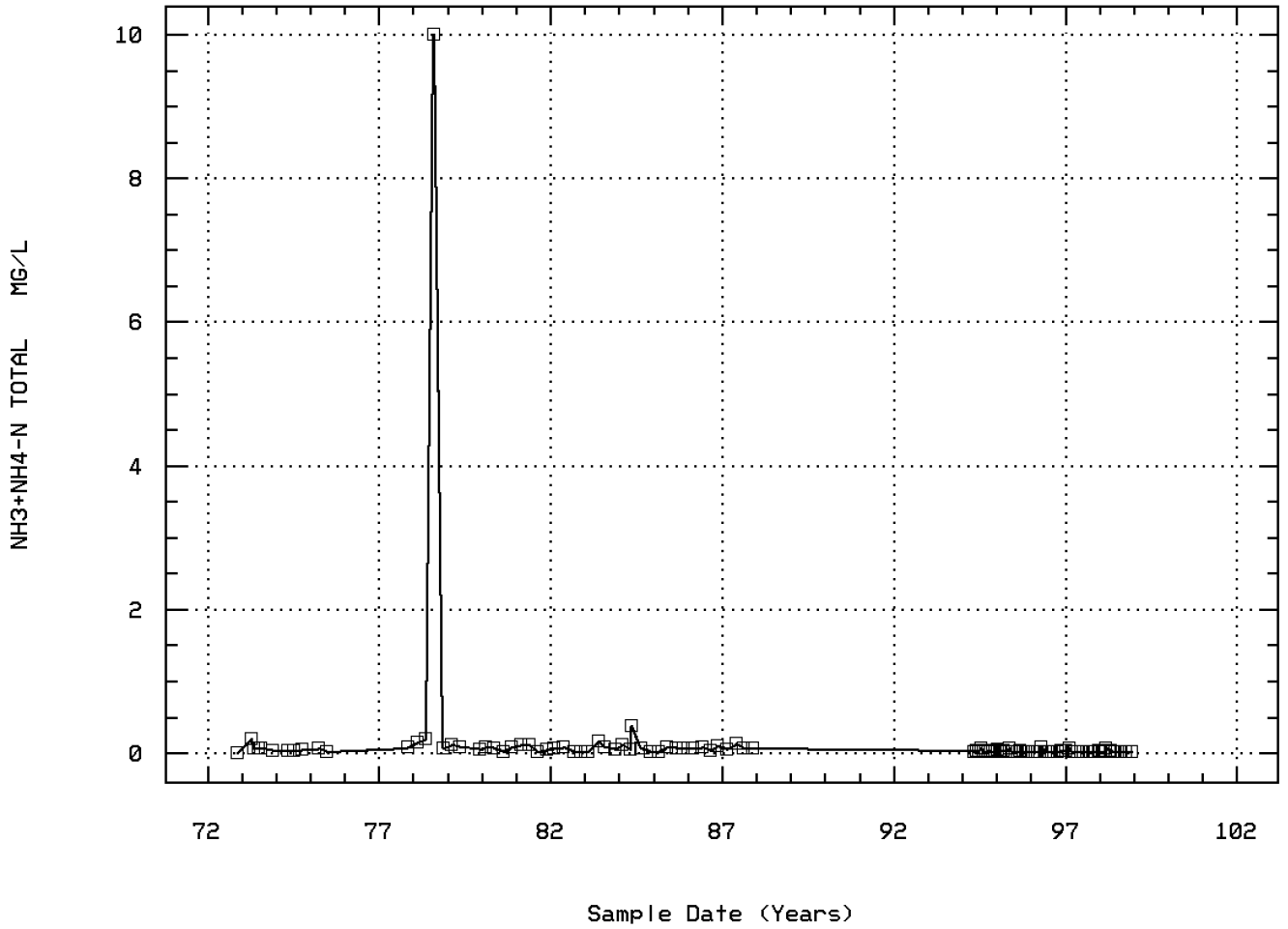
RESIDUE, TOTAL NONFILTRABLE (MG/L)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00610

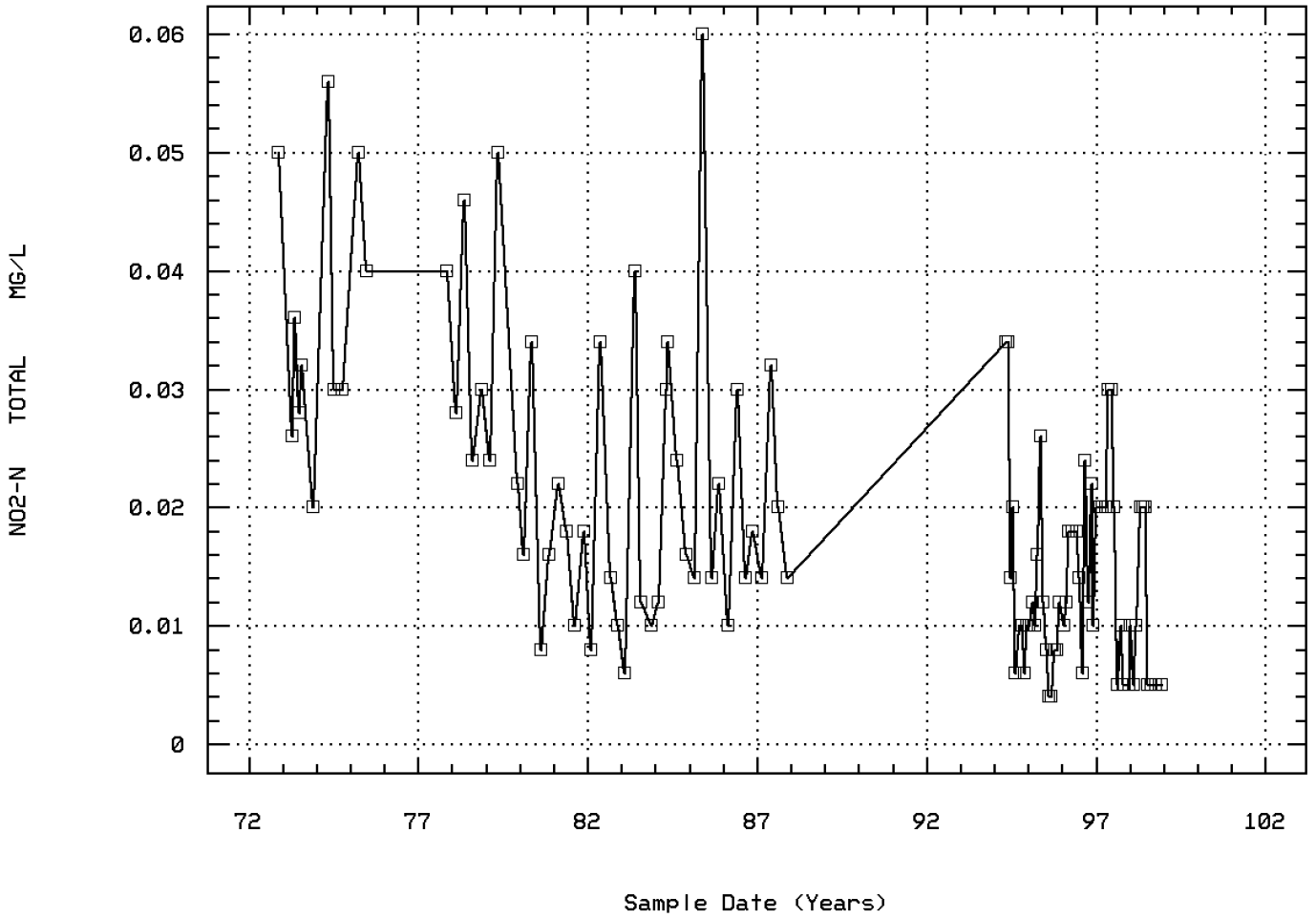
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00615

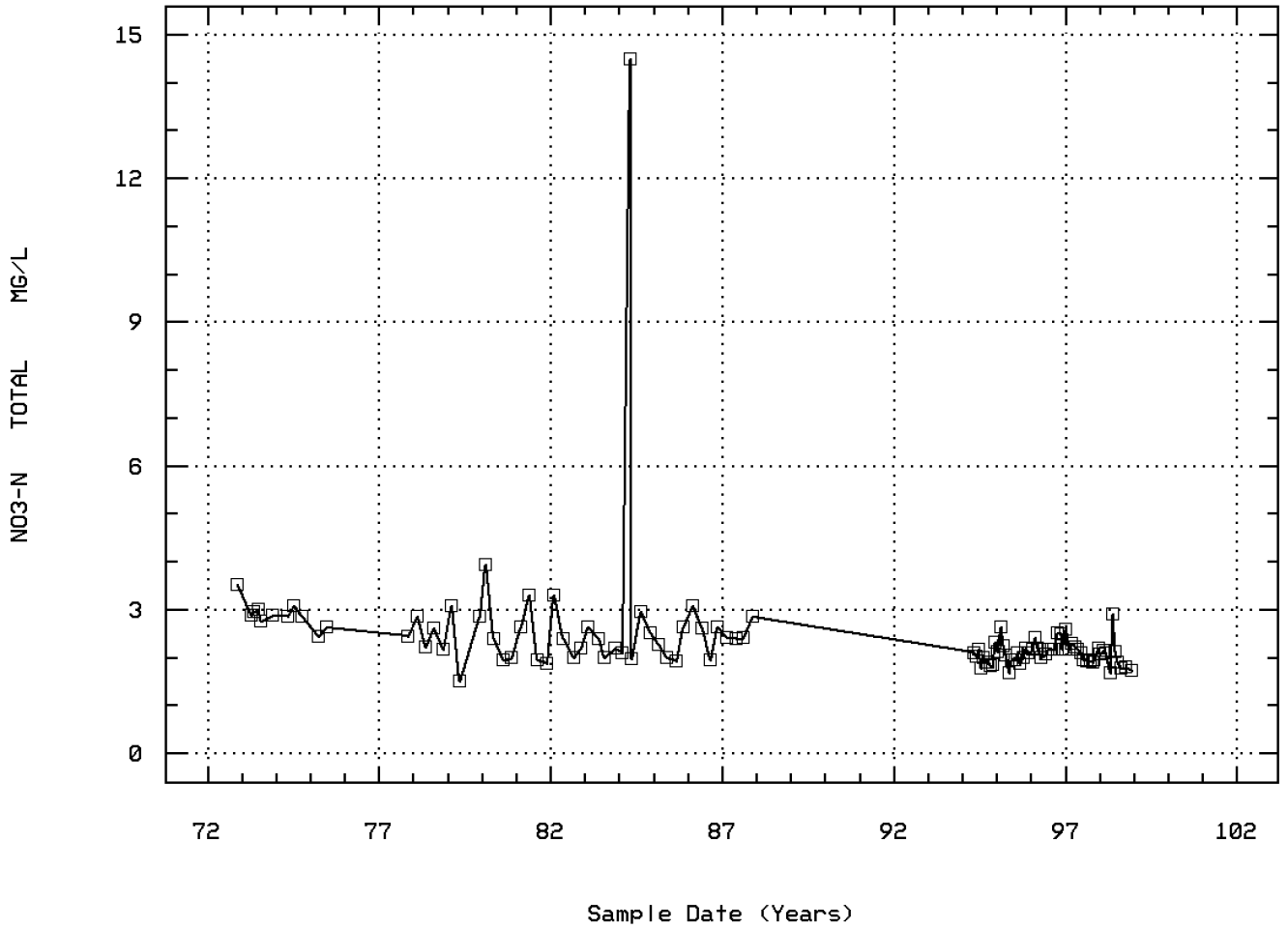
NITRITE NITROGEN, TOTAL (MG/L AS N)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00620

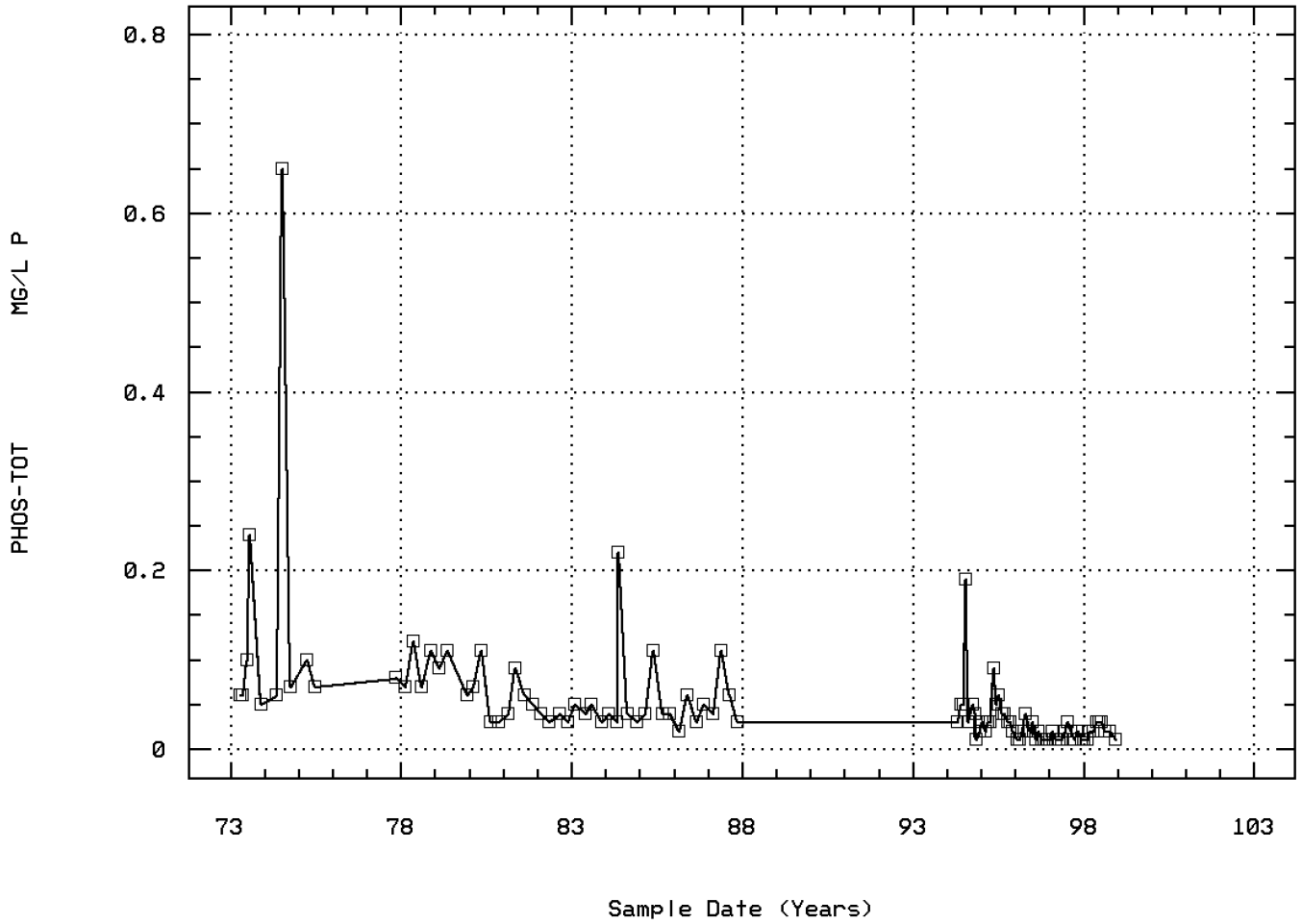
NITRATE NITROGEN, TOTAL (MG/L AS N)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00665

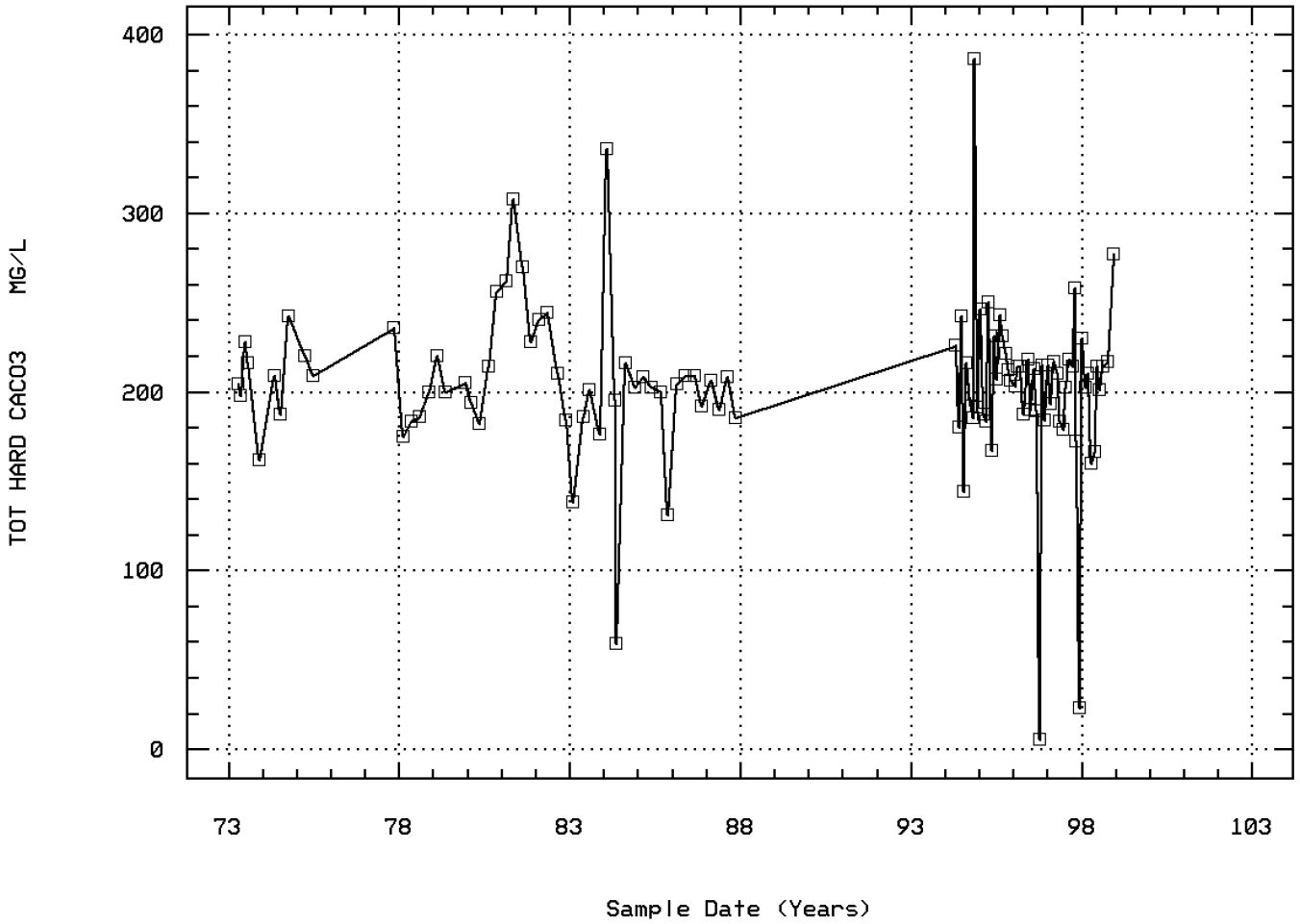
PHOSPHORUS, TOTAL (MG/L AS P)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00900

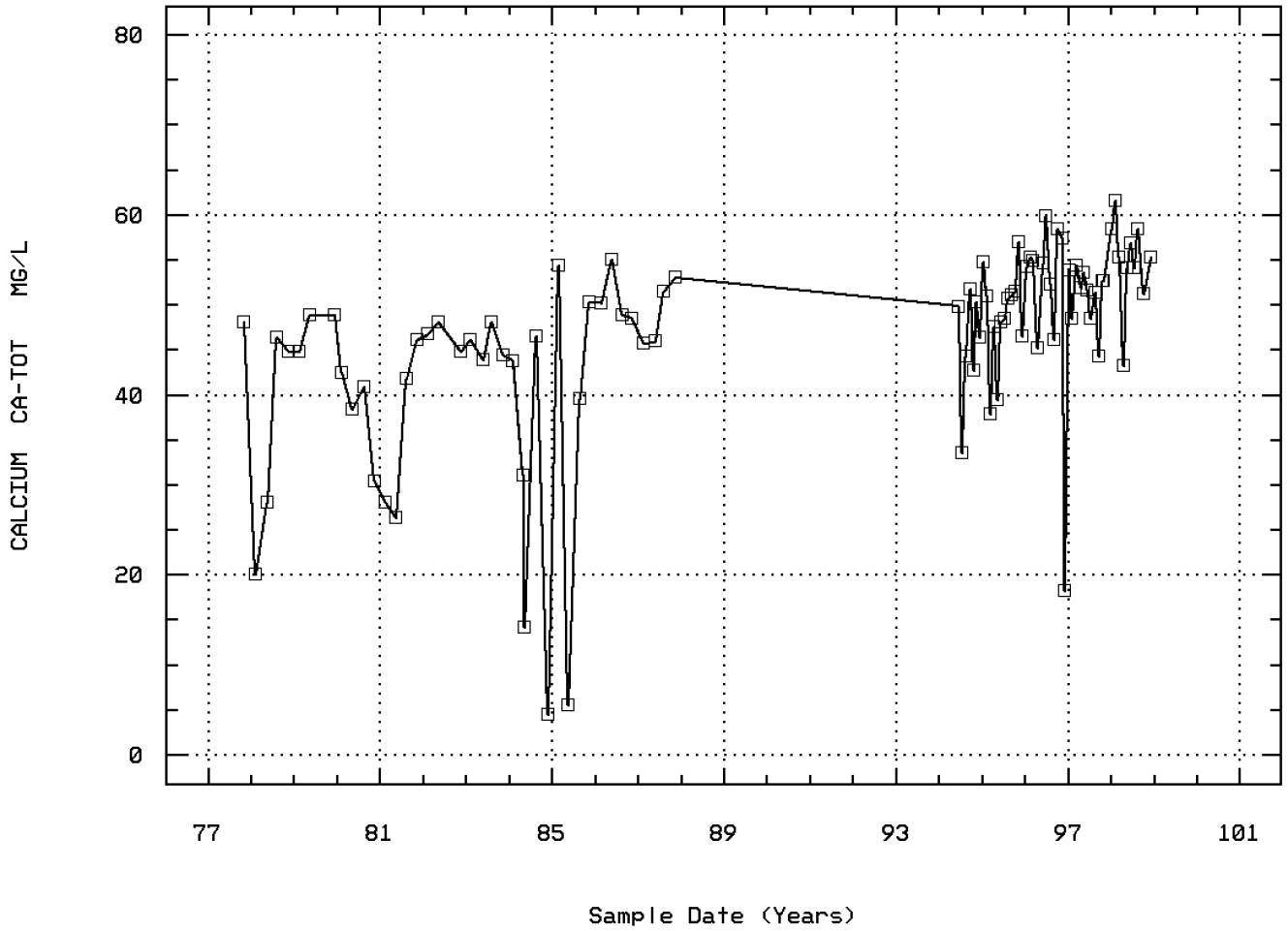
HARDNESS, TOTAL (MG/L AS CACO3)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00916

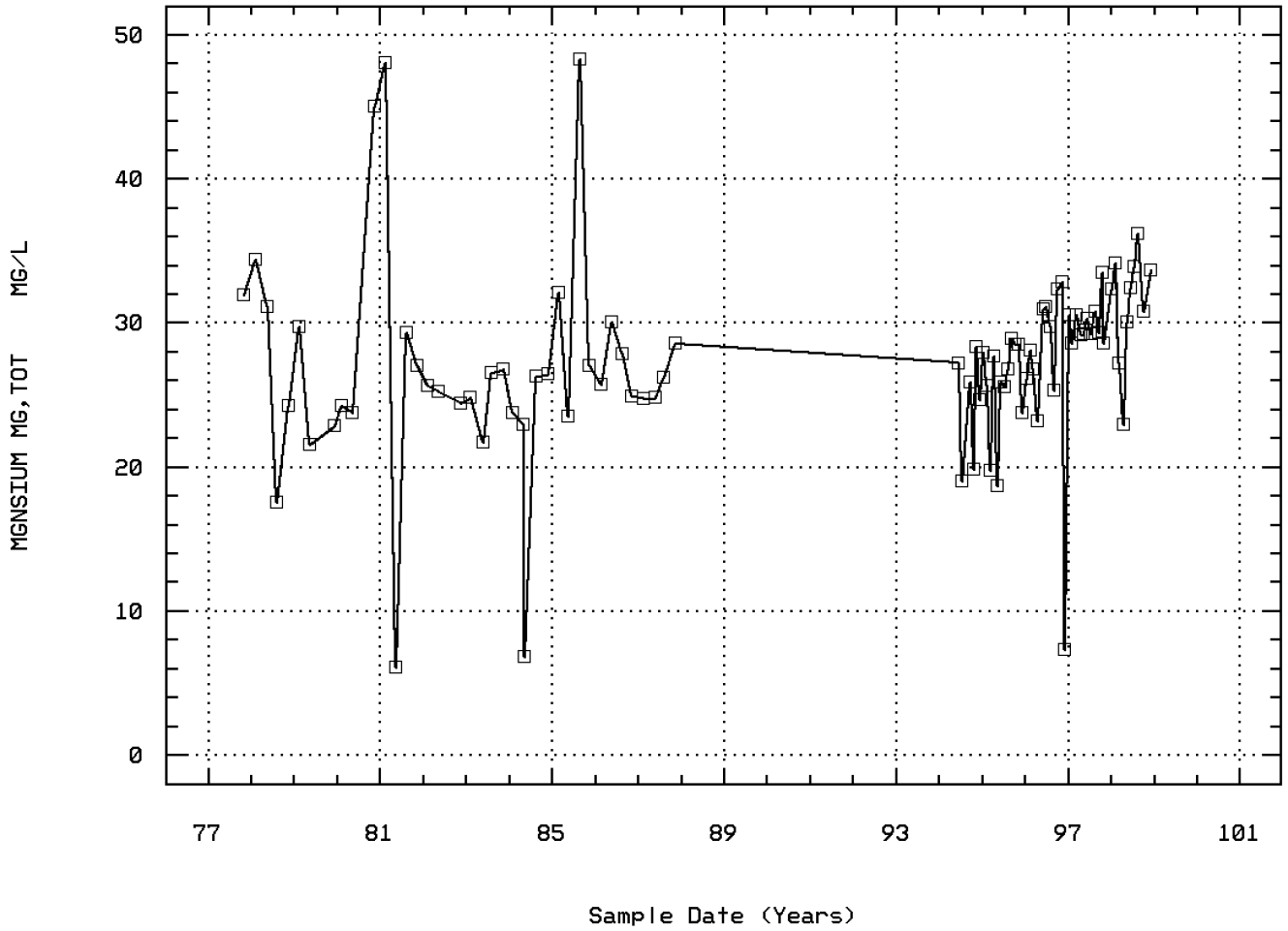
CALCIUM, TOTAL (MG/L AS CA)



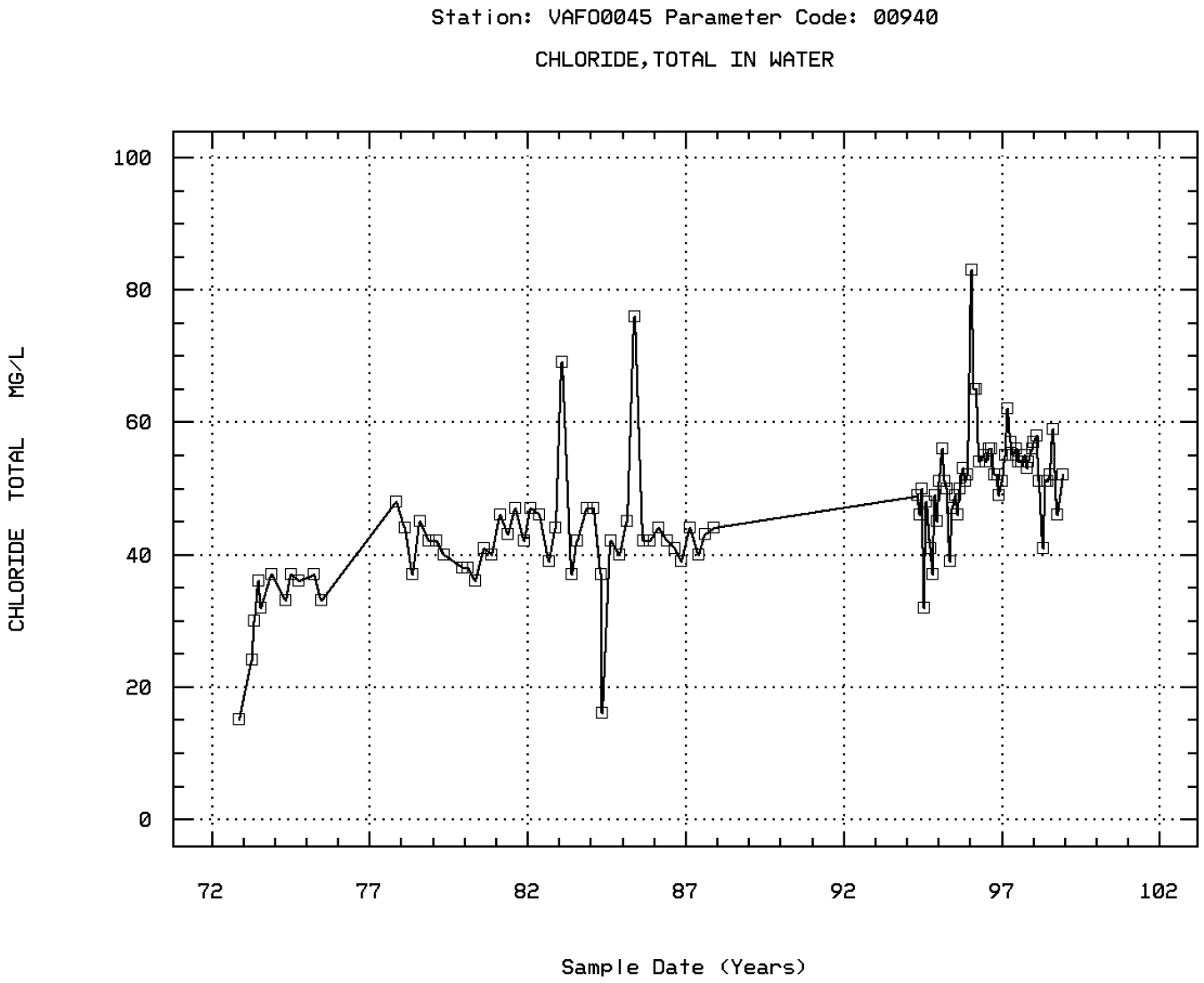
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00927

MAGNESIUM, TOTAL (MG/L AS MG)



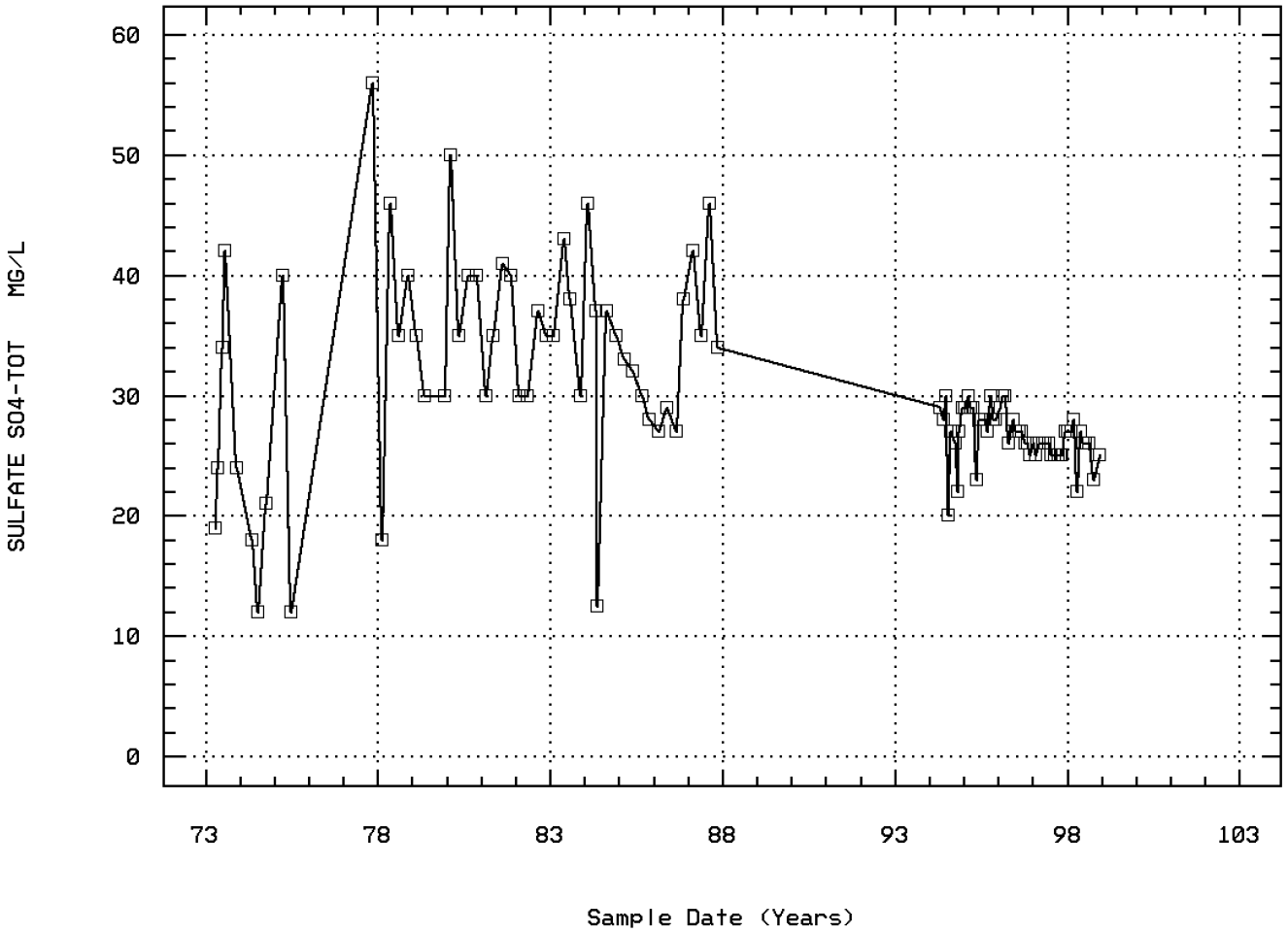
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



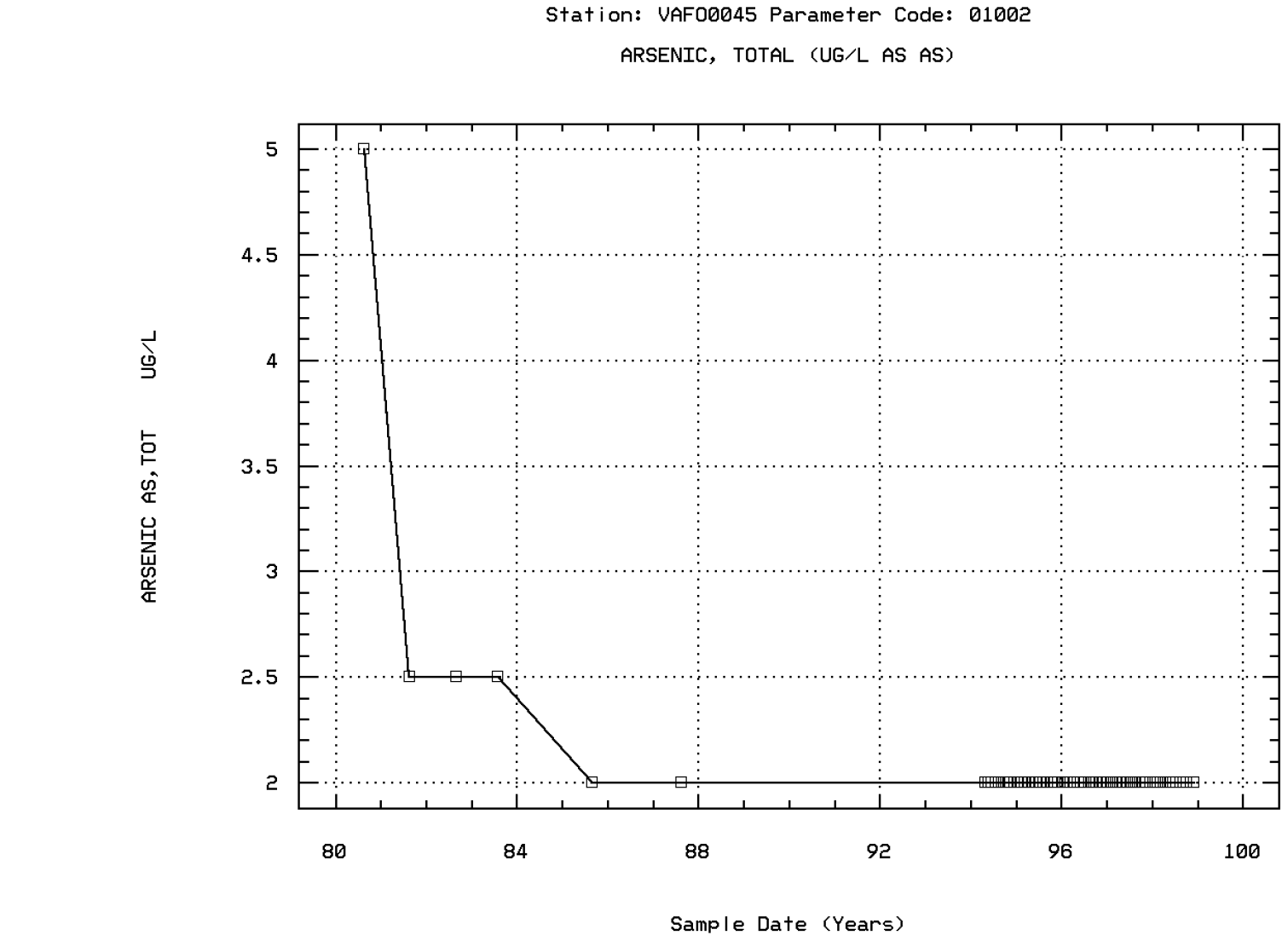
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00945

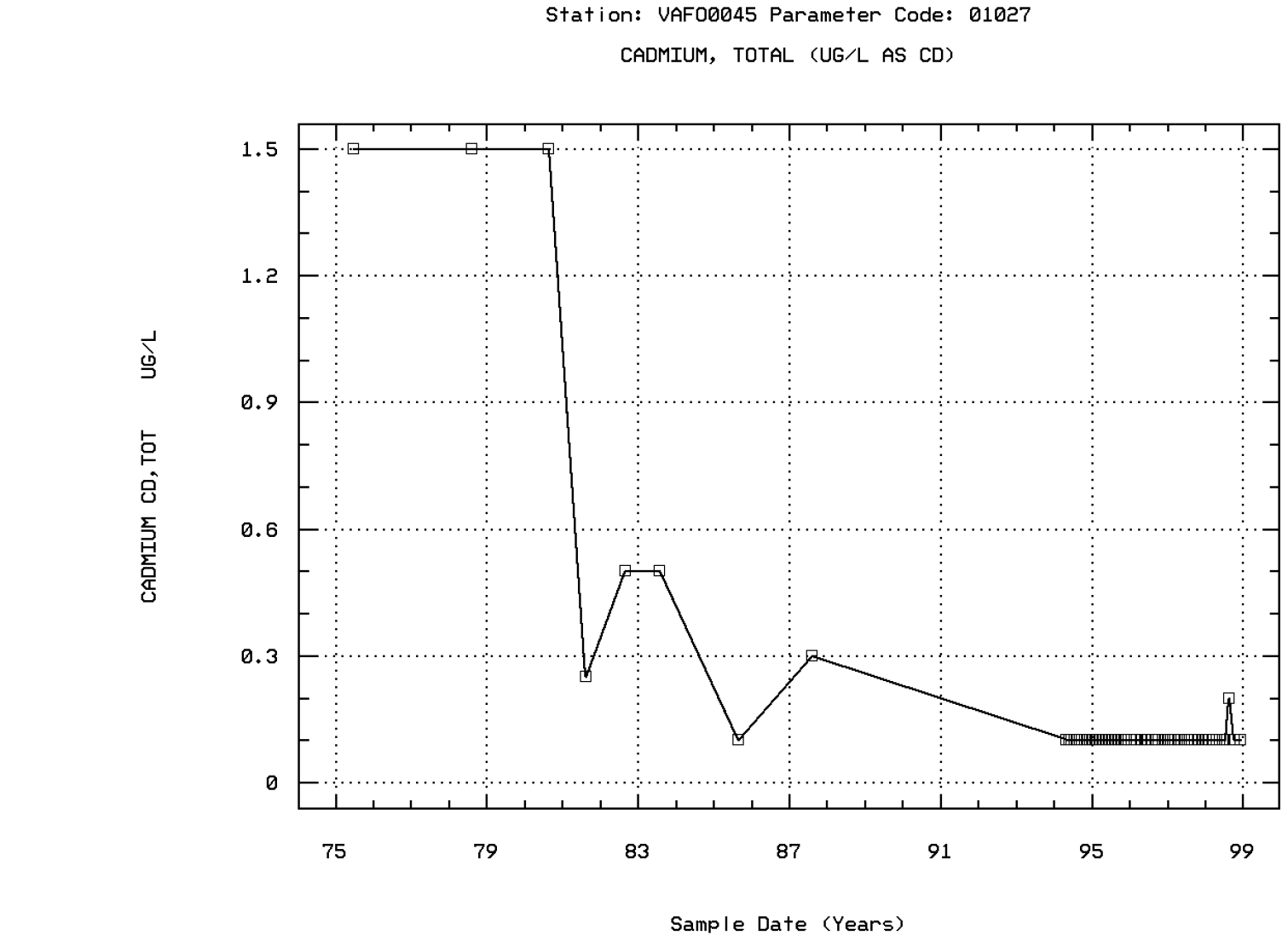
SULFATE, TOTAL (MG/L AS SO4)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



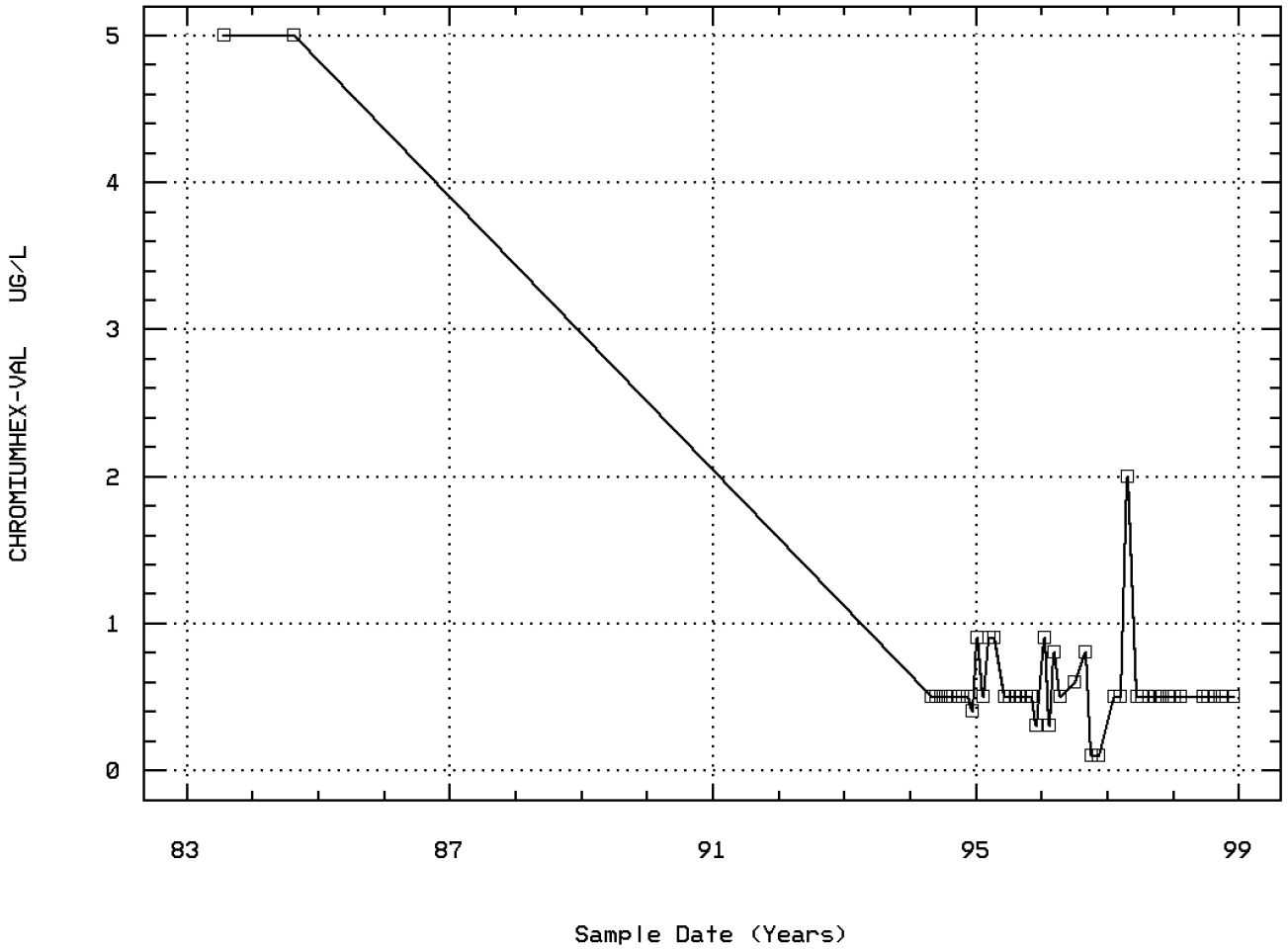
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01032

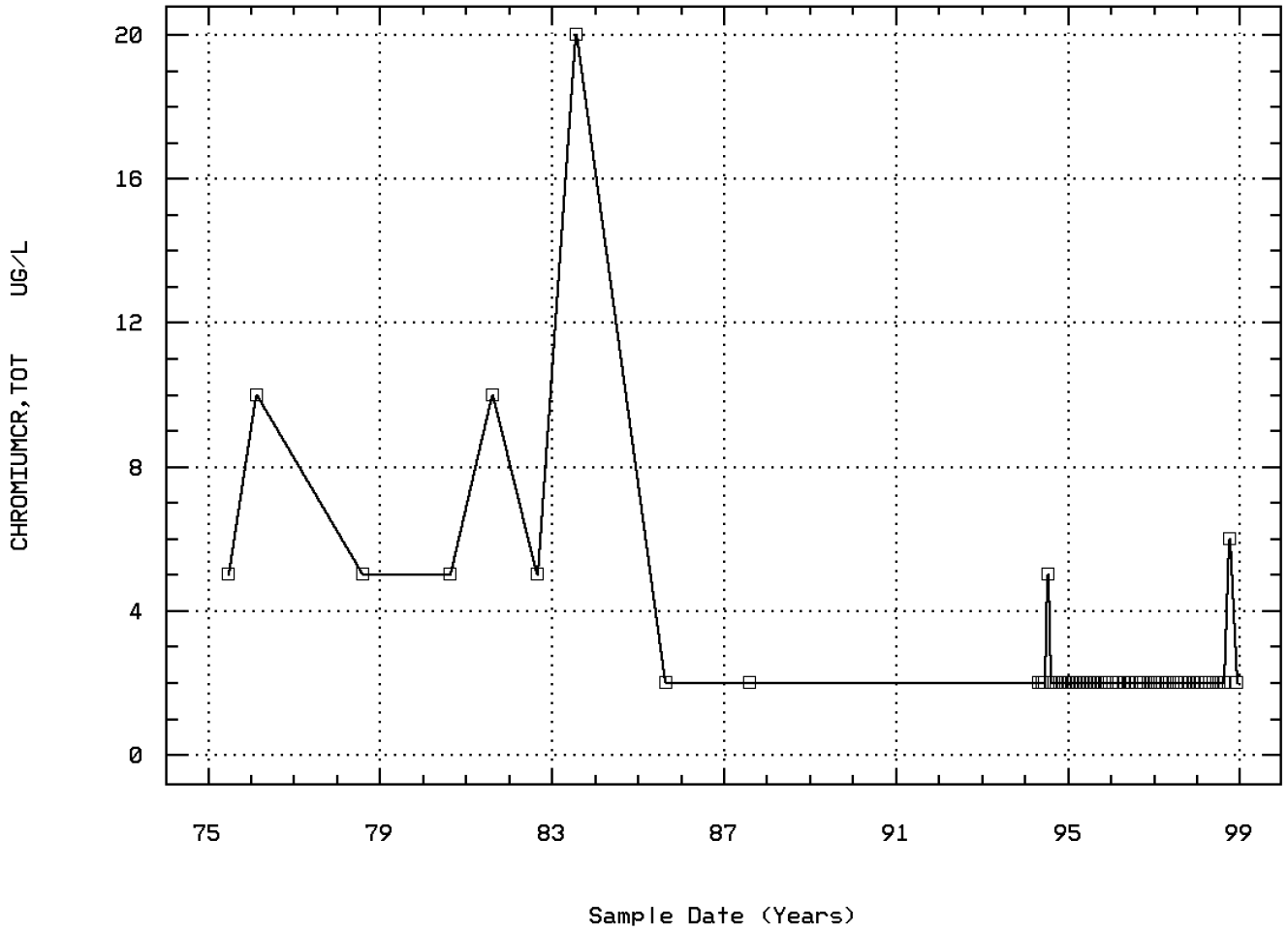
CHROMIUM, HEXAVALENT (UG/L AS CR)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01034

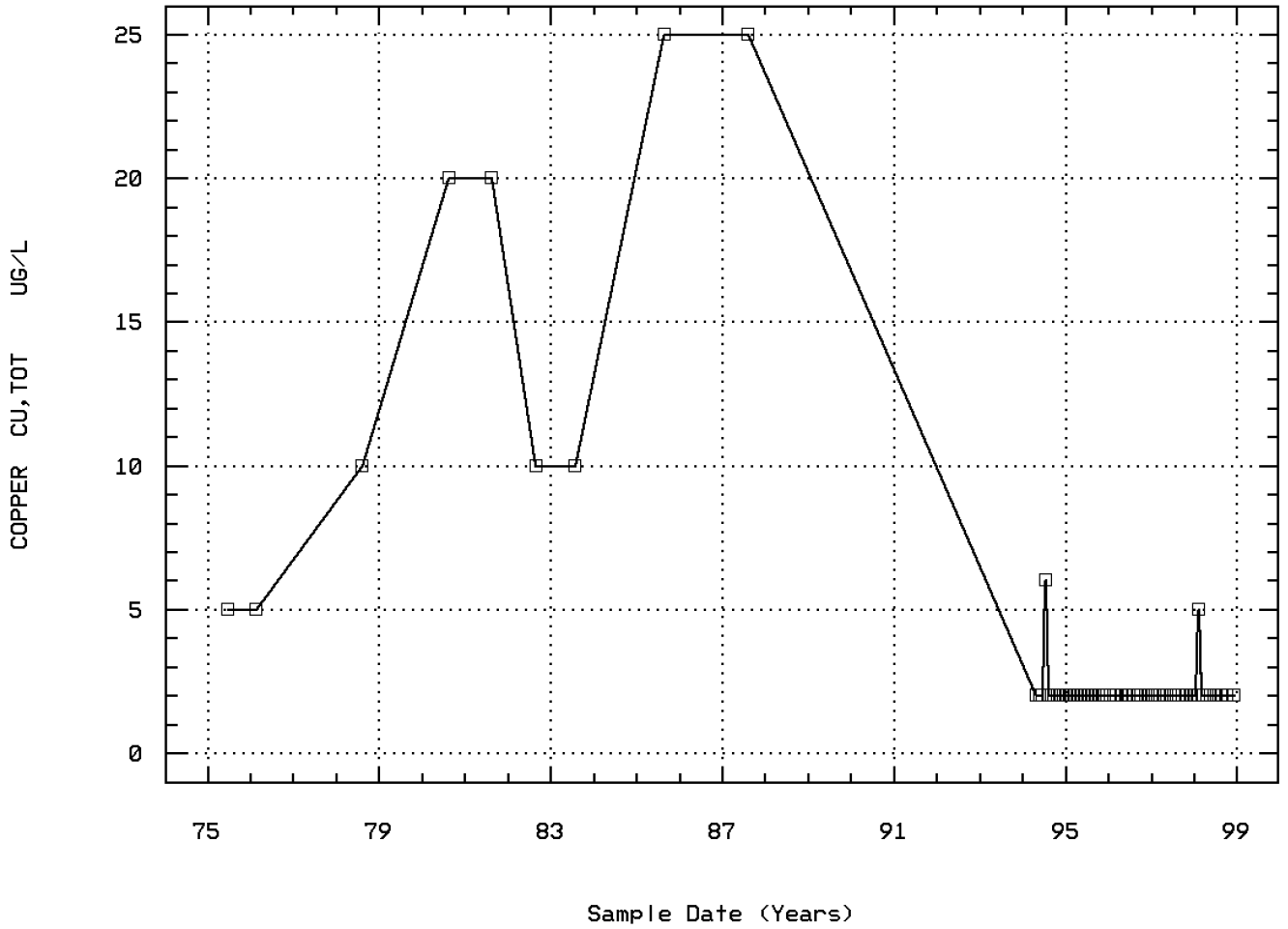
CHROMIUM, TOTAL (UG/L AS CR)



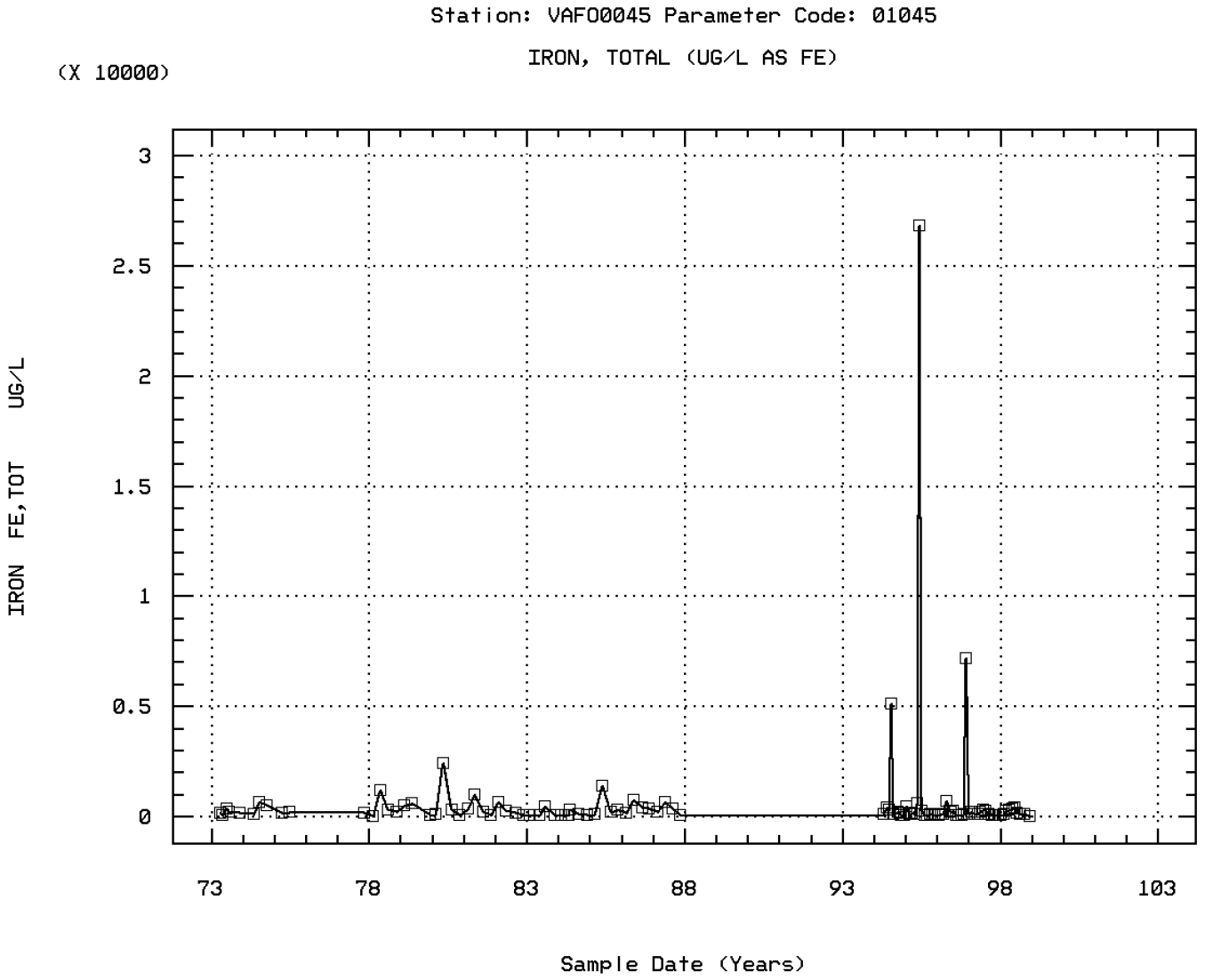
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01042

COPPER, TOTAL (UG/L AS CU)



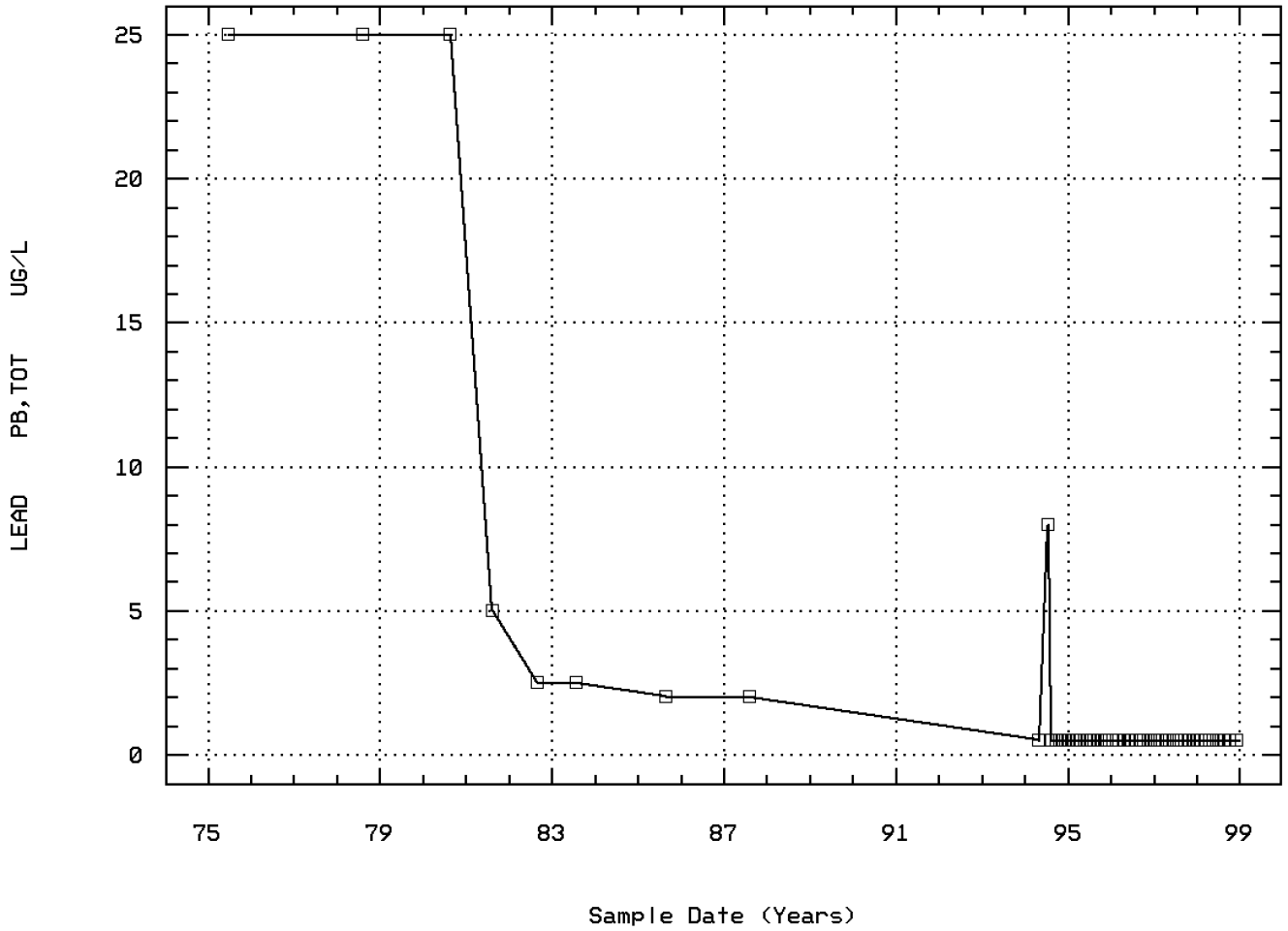
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 01051

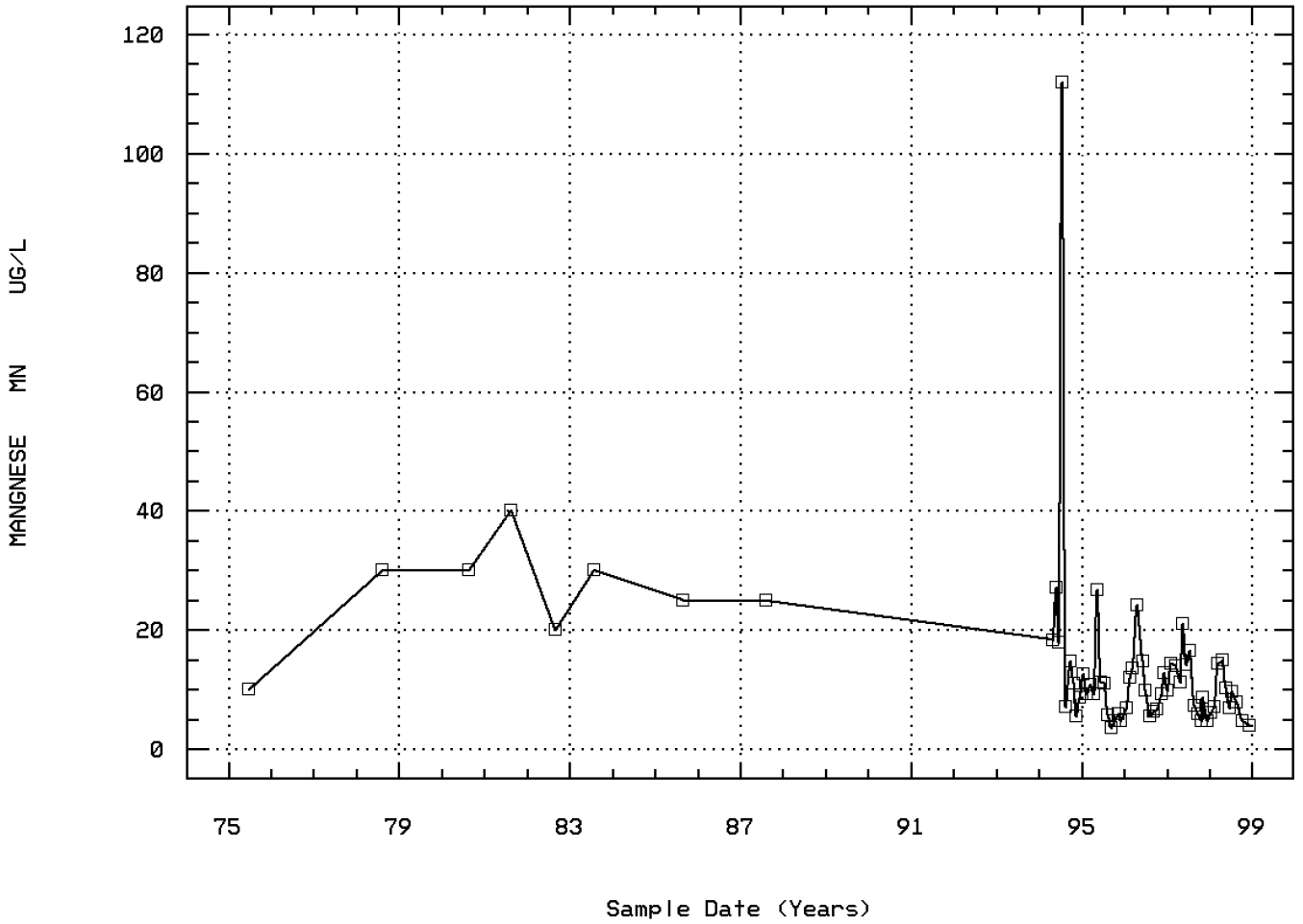
LEAD, TOTAL (UG/L AS PB)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01055

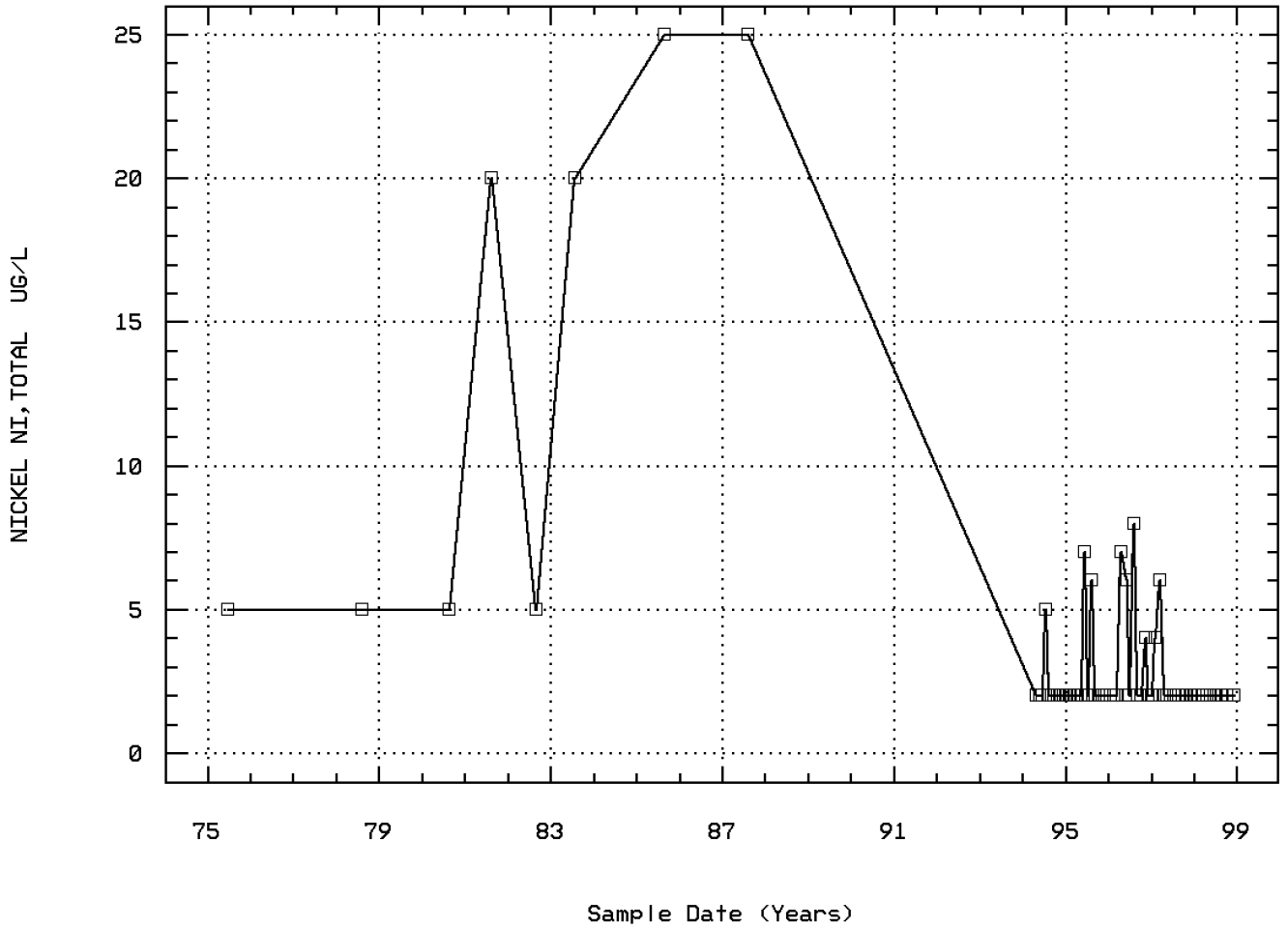
MANGANESE, TOTAL (UG/L AS MN)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01067

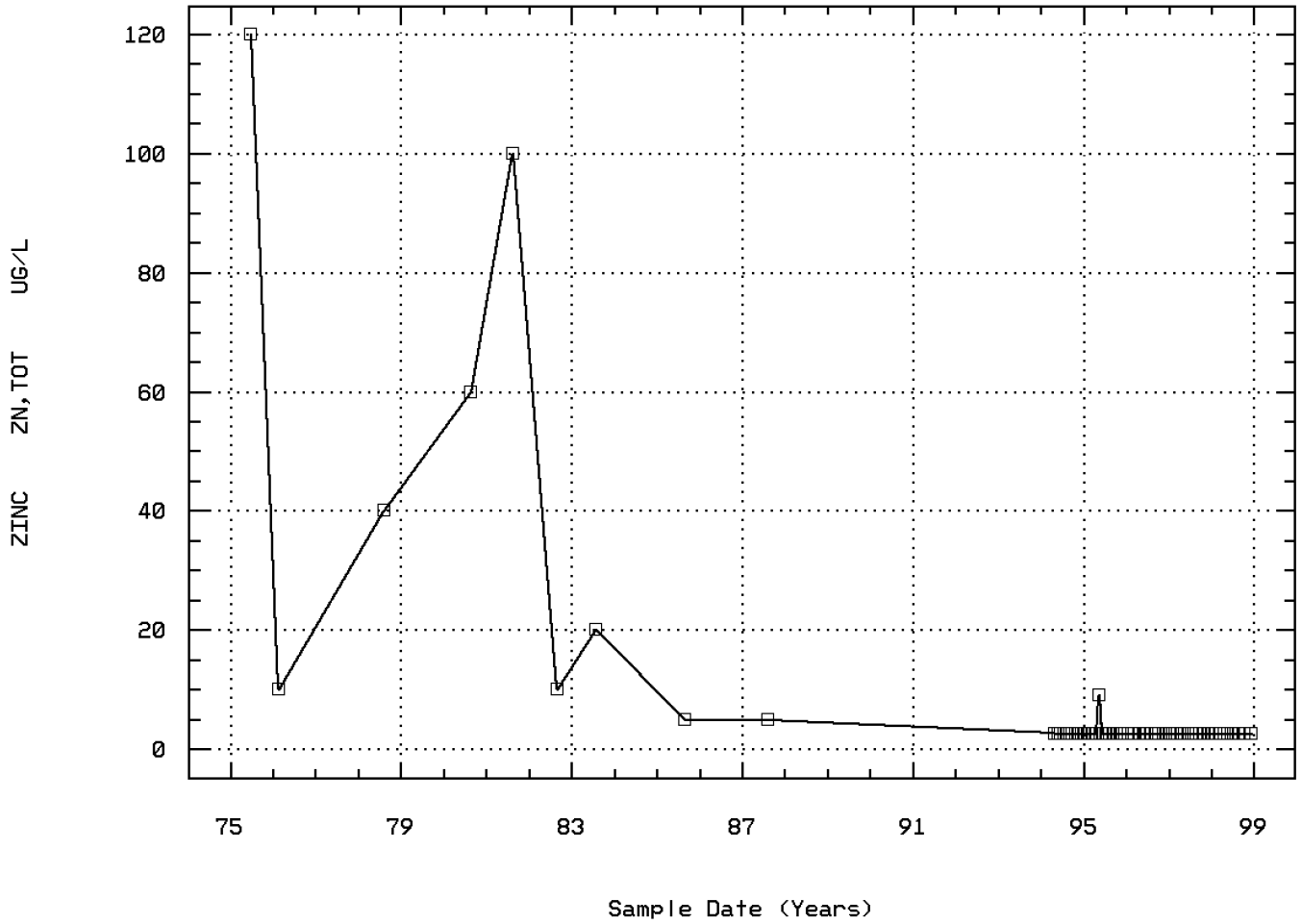
NICKEL, TOTAL (UG/L AS NI)



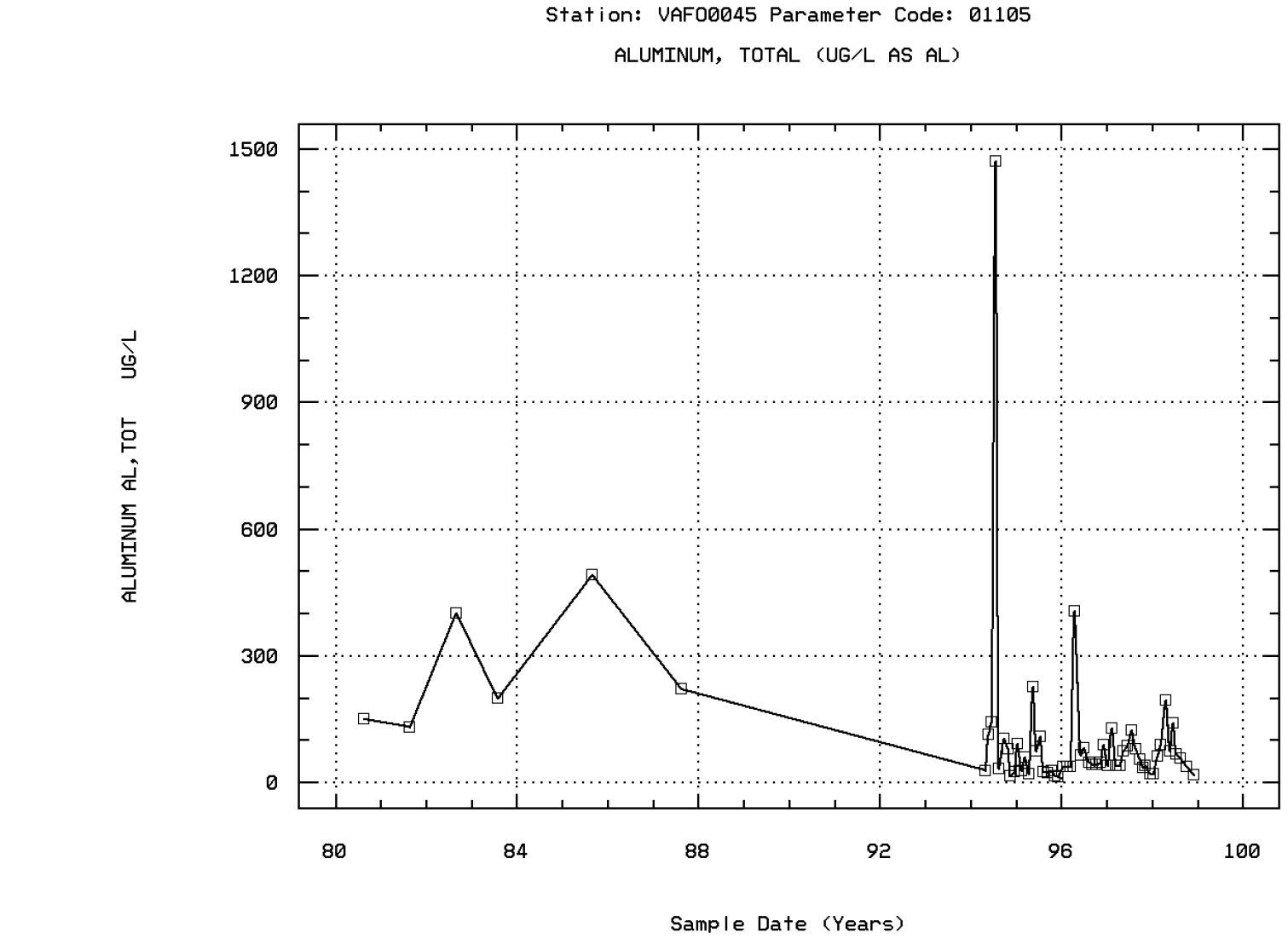
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 01092

ZINC, TOTAL (UG/L AS ZN)



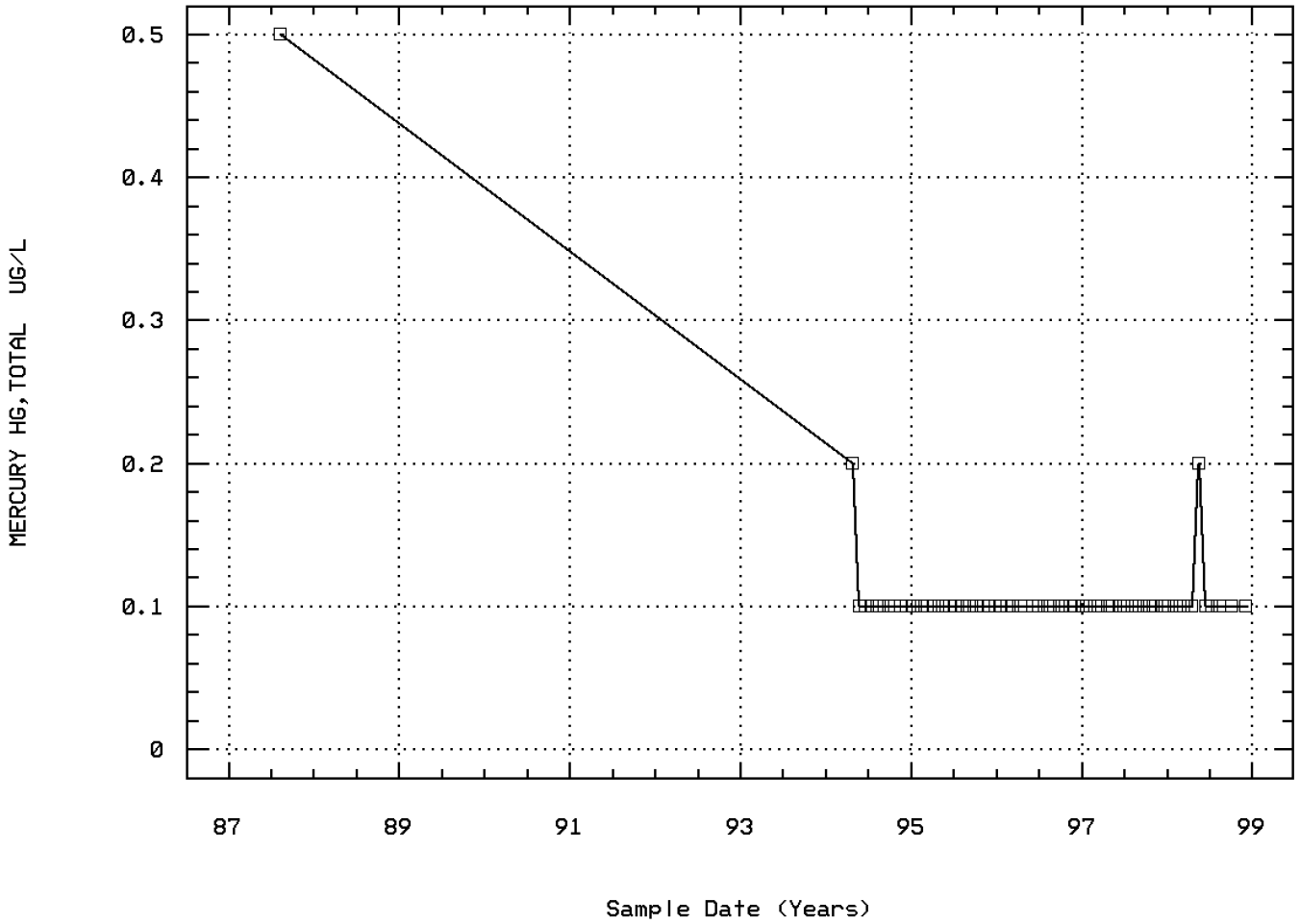
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 71900

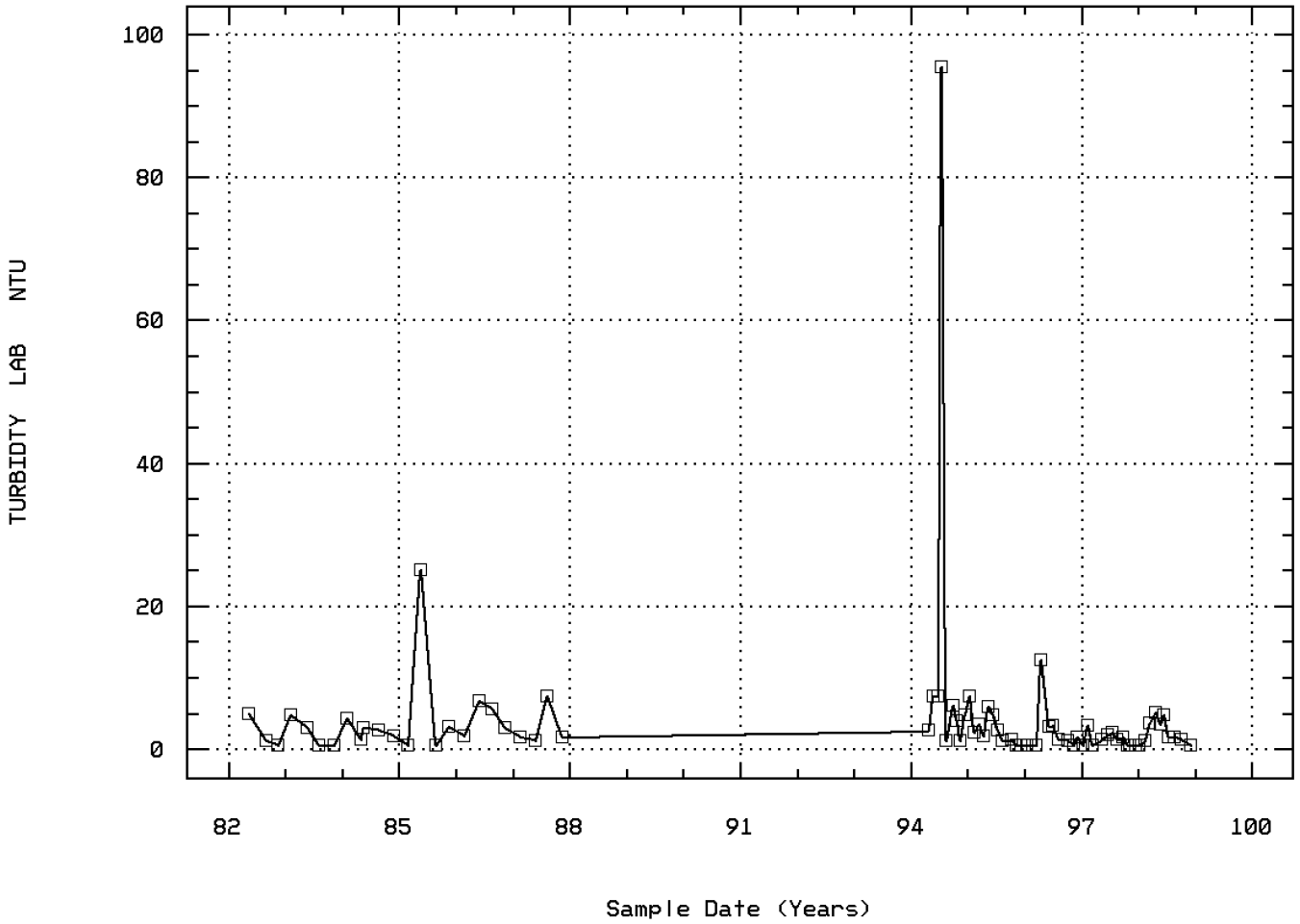
MERCURY, TOTAL (UG/L AS HG)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 82079

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VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Annual Analysis for 1972 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	1	15.	15.	15.	15.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	4	17.	17.25	22.	13.	16.25	4.031	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	2	375.	375.	380.	370.	50.	7.071	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	2	7.8	7.8	10.	5.6	9.68	3.111	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	4	7.45	7.363	8.15	6.4	0.522	0.723	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	4	7.447	6.924	8.15	6.4	0.779	0.882	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	4	0.036	0.119	0.398	0.007	0.035	0.186	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	5	157.	129.2	165.	12.	4338.7	65.869	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	5	0.07	0.086	0.2	0.03	0.004	0.066	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	5	0.028	0.028	0.036	0.02	0.	0.006	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	5	2.88	2.896	3.	2.76	0.008	0.092	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	5	0.06	0.102	0.24	0.05	0.006	0.079	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	5	204.	201.6	228.	162.	622.8	24.956	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	5	32.	31.8	37.	24.	27.2	5.215	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	5	24.	28.6	42.	19.	85.8	9.263	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	5	150.	176.	370.	50.	14080.	118.659	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	3	18.	16.333	21.	10.	32.333	5.686	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	3	7.8	7.867	8.	7.8	0.013	0.115	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	3	7.8	7.857	8.	7.8	0.013	0.116	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	3	0.016	0.014	0.016	0.01	0.	0.003	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	3	161.	156.667	272.	37.	13820.333	117.56	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	3	0.04	0.043	0.05	0.04	0.	0.006	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	3	0.03	0.039	0.056	0.03	0.	0.015	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	3	2.86	2.933	3.08	2.86	0.016	0.127	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	3	0.07	0.26	0.65	0.06	0.114	0.338	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	3	209.	212.667	242.	187.	766.333	27.683	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	3	36.	35.333	37.	33.	4.333	2.082	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	3	18.	17.	21.	12.	21.	4.583	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	3	490.	413.333	650.	100.	80033.333	282.902	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	2	15.	15.	17.	13.	8.	2.828	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	2	360.	360.	360.	360.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	2	14.	14.	16.	12.	8.	2.828	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	2	154.	154.	158.	150.	32.	5.657	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	2	342.	342.	376.	308.	2312.	48.083	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	2	0.04	0.04	0.06	0.02	0.001	0.028	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	2	2.53	2.53	2.64	2.42	0.024	0.156	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	2	0.085	0.085	0.1	0.07	0.	0.021	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	2	214.5	214.5	220.	209.	60.5	7.778	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	2	35.	35.	37.	33.	8.	2.828	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	2	26.	26.	40.	12.	392.	19.799	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	2	165.	165.	190.	140.	1250.	35.355	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	120.	120.	120.	120.	0.	0.	**	**	**	**

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Annual Analysis for 1976 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	4	1.76	1.675	2.02	1.16	0.135	0.367	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	5	360.	369.	485.	250.	9755.	98.767	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	3	1.76	1.76	1.8	1.72	0.002	0.04	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	2	430.	430.	490.	370.	7200.	84.853	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	1	432.	432.	432.	432.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	1	2.42	2.42	2.42	2.42	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	1	236.	236.	236.	236.	0.	0.	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	1	31.9	31.9	31.9	31.9	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	1	150.	150.	150.	150.	0.	0.	**	**	**	**

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Annual Analysis for 1978 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	4	9.75	11.375	22.	4.	66.896	8.179	**	**	**	**
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	3	1.99	1.947	2.09	1.76	0.029	0.169	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	4	356.5	385.75	520.	310.	8672.25	93.125	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	4	10.75	10.375	11.4	8.6	1.629	1.276	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	4	8.8	8.8	8.9	8.7	0.007	0.082	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	4	8.8	8.794	8.9	8.7	0.007	0.082	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	4	0.002	0.002	0.002	0.001	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	175.	172.	188.	150.	253.333	15.916	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	324.	299.	382.	166.	8633.333	92.916	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	4	11.	13.75	28.	5.	104.25	10.21	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.175	2.605	10.	0.07	24.308	4.93	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.029	0.032	0.046	0.024	0.	0.01	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.4	2.458	2.86	2.17	0.11	0.332	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.09	0.093	0.12	0.07	0.001	0.026	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	184.5	186.	200.	175.	108.667	10.424	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	36.4	34.8	46.4	20.	166.613	12.908	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	4	27.65	26.8	34.4	17.5	56.5	7.517	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	43.	42.	45.	37.	12.667	3.559	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	37.5	34.75	46.	18.	144.917	12.038	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	255.	425.	1180.	10.	269500.	519.134	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	40.	40.	40.	40.	0.	0.	**	**	**	**

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Annual Analysis for 1979 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	3	6.	6.333	13.	0.	42.333	6.506	**	**	**	**
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	3	345.	353.333	405.	310.	2308.333	48.045	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	3	11.4	11.333	13.	9.6	2.893	1.701	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	3	16.	14.667	16.	12.	5.333	2.309	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	3	8.5	8.333	8.7	7.8	0.223	0.473	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	3	8.5	8.155	8.7	7.8	0.271	0.521	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	3	0.003	0.007	0.016	0.002	0.	0.008	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	3	174.	172.667	174.	170.	5.333	2.309	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	3	338.	354.	396.	328.	1348.	36.715	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	2	14.	14.	20.	8.	72.	8.485	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	3	0.08	0.083	0.12	0.05	0.001	0.035	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	3	0.024	0.032	0.05	0.022	0.	0.016	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	3	2.84	2.463	3.06	1.49	0.723	0.85	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	3	0.09	0.087	0.11	0.06	0.001	0.025	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	3	205.	208.333	220.	200.	108.333	10.408	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	3	48.8	47.467	48.8	44.8	5.333	2.309	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	3	22.8	24.667	29.7	21.5	19.423	4.407	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	3	40.	40.	42.	38.	4.	2.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	3	30.	31.667	35.	30.	8.333	2.887	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	3	500.	376.667	570.	60.	76433.333	276.466	**	**	**	**

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Annual Analysis for 1980 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	3	1.7	1.807	2.16	1.56	0.099	0.314	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	1	13.6	13.6	13.6	13.6	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	183.	184.5	194.	178.	51.667	7.188	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	356.	353.	372.	328.	334.667	18.294	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.07	0.058	0.08	0.01	0.001	0.033	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.016	0.019	0.034	0.008	0.	0.011	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.185	2.565	3.94	1.95	0.881	0.938	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.05	0.06	0.11	0.03	0.001	0.038	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	204.	211.5	256.	182.	1054.333	32.47	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	39.6	38.	42.4	30.4	28.373	5.327	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	3	24.2	30.967	45.	23.7	147.763	12.156	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	39.	38.75	41.	36.	4.917	2.217	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	40.	41.25	50.	35.	39.583	6.292	**	**	**	**
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	190.	707.5	2390.	60.	1268558.333	1126.303	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	1	150.	150.	150.	150.	0.	0.	**	**	**	**
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

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Annual Analysis for 1981 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	2	410.	410.	440.	380.	1800.	42.426	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	2	10.9	10.9	12.8	9.	7.22	2.687	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	193.	187.	194.	168.	161.333	12.702	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	349.	353.5	378.	338.	326.333	18.065	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.08	0.073	0.12	0.01	0.003	0.052	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.018	0.017	0.022	0.01	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.275	2.423	3.28	1.86	0.444	0.667	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.055	0.06	0.09	0.04	0.	0.022	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	266.	267.	308.	228.	1078.667	32.843	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	34.9	35.55	46.1	26.3	97.643	9.881	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	4	28.15	27.6	48.	6.1	293.887	17.143	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	44.5	44.5	47.	42.	5.667	2.38	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	37.5	36.5	41.	30.	25.667	5.066	**	**	**	**
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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Annual Analysis for 1981 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	275.	400.	990.	60.	169800.	412.068	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	1	130.	130.	130.	130.	0.	0.	**	**	**	**
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

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Annual Analysis for 1982 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	185.	186.	190.	184.	8.	2.828	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	340.	340.5	350.	332.	65.	8.062	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.04	0.045	0.09	0.01	0.002	0.041	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.012	0.017	0.034	0.008	0.	0.012	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.29	2.465	3.29	1.99	0.329	0.574	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.035	0.035	0.04	0.03	0.	0.006	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	225.	219.5	244.	184.	790.333	28.113	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	3	46.7	46.5	48.	44.8	2.59	1.609	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	3	25.2	25.067	25.6	24.4	0.373	0.611	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	45.	44.	47.	39.	12.667	3.559	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	32.5	33.	37.	30.	12.667	3.559	**	**	**	**
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	195.	277.5	660.	60.	69891.667	264.37	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	1	400.	400.	400.	400.	0.	0.	**	**	**	**
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	3	1.2	2.233	5.	0.5	5.863	2.421	**	**	**	**

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Annual Analysis for 1983 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	1	470.	470.	470.	470.	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	184.	183.5	188.	178.	17.	4.123	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	322.	315.5	350.	268.	1627.667	40.344	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.07	0.078	0.16	0.01	0.004	0.064	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.011	0.017	0.04	0.006	0.	0.016	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.285	2.3	2.64	1.99	0.077	0.277	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.045	0.043	0.05	0.03	0.	0.01	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	181.	175.25	201.	138.	722.25	26.875	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	45.25	45.625	48.1	43.9	3.609	1.9	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	4	25.65	24.95	26.8	21.7	5.47	2.339	**	**	**	**

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Annual Analysis for 1983 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	44.5	48.75	69.	37.	198.917	14.104	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	36.5	36.5	43.	30.	29.667	5.447	**	**	**	**
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	70.	160.	440.	60.	34866.667	186.726	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	1	200.	200.	200.	200.	0.	0.	**	**	**	**
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	4 ##	1.7	2.15	4.7	0.5	4.17	2.042	**	**	**	**

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Annual Analysis for 1984 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	2	13.75	13.75	19.	8.5	55.125	7.425	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	1	365.	365.	365.	365.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	2	12.9	12.9	14.4	11.4	4.5	2.121	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	5	184.	154.8	190.	44.	3879.2	62.283	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	5	348.	331.2	358.	260.	1673.2	40.905	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	5	0.07	0.126	0.38	0.01	0.022	0.147	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	5	0.024	0.023	0.034	0.012	0.	0.009	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	5	2.5	4.798	14.49	1.97	29.5	5.431	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	5	0.04	0.072	0.22	0.03	0.007	0.083	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	5	202.	201.6	336.	59.	9662.3	98.297	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	5	31.	27.98	46.5	4.5	336.587	18.346	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	5	23.7	21.22	26.4	6.8	67.387	8.209	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	5	40.	36.4	47.	16.	143.3	11.971	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	5	37.	33.5	46.	12.5	156.	12.49	**	**	**	**
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	5	50.	110.	300.	40.	12050.	109.772	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	5	2.6	2.58	4.2	1.3	1.262	1.123	**	**	**	**

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Annual Analysis for 1985 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	3	9.5	13.	21.	8.5	48.25	6.946	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	1	365.	365.	365.	365.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	3	12.3	12.267	14.3	10.2	4.203	2.05	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	4	7.9	7.95	8.2	7.8	0.037	0.191	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	4	7.889	7.921	8.2	7.8	0.038	0.194	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	4	0.013	0.012	0.016	0.006	0.	0.005	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	187.	184.5	190.	174.	57.	7.55	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	345.	346.	358.	336.	136.	11.662	**	**	**	**

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Annual Analysis for 1985 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.07	0.06	0.08	0.02	0.001	0.027	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.018	0.028	0.06	0.014	0.	0.022	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.135	2.2	2.62	1.91	0.102	0.319	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.04	0.058	0.11	0.04	0.001	0.035	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	201.	185.25	208.	131.	1319.583	36.326	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	44.95	37.425	54.3	5.5	491.489	22.17	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	4	29.55	32.725	48.3	23.5	120.283	10.967	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	43.5	51.25	76.	42.	274.25	16.56	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	31.	30.75	33.	28.	4.917	2.217	**	**	**	**
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	270.	502.5	1370.	100.	342558.333	585.285	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	1	490.	490.	490.	490.	0.	0.	**	**	**	**
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	4 ##	1.8	7.275	25.	0.5	141.136	11.88	**	**	**	**

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Annual Analysis for 1986 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	4	13.25	12.75	19.5	5.	61.417	7.837	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	4	11.6	11.975	14.2	10.5	2.576	1.605	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	4	7.9	8.4	10.	7.8	1.14	1.068	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	4	7.9	7.988	10.	7.8	1.366	1.169	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	4	0.013	0.01	0.016	0.	0.	0.007	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	188.	187.	196.	176.	78.667	8.869	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	352.	350.	368.	328.	338.667	18.403	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.075	0.07	0.1	0.03	0.001	0.032	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.016	0.018	0.03	0.01	0.	0.009	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.615	2.563	3.07	1.95	0.213	0.461	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.04	0.04	0.06	0.02	0.	0.018	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	206.5	203.5	209.	192.	64.333	8.021	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	49.5	50.6	55.	48.4	9.113	3.019	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	4	26.75	27.1	30.	24.9	5.233	2.288	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	41.5	41.5	44.	39.	4.333	2.082	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	28.	30.25	38.	27.	27.583	5.252	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	375.	417.5	760.	160.	63225.	251.446	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	4	4.25	4.275	6.8	1.8	5.209	2.282	**	**	**	**

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Annual Analysis for 1987 - Station VAFO0045

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00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	4	12.2	11.85	17.	6.	25.557	5.055	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	1	3.44	3.44	3.44	3.44	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	3	410.	405.	440.	365.	1425.	37.749	**	**	**	**

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Annual Analysis for 1987 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	4	10.6	11.75	16.	9.8	8.41	2.9	**	**	**	**
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	4	8.215	8.633	10.	8.1	0.834	0.913	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	4	8.215	8.296	10.	8.1	0.985	0.993	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	4	0.006	0.005	0.008	0.	0.	0.003	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	4	188.	188.	194.	182.	26.667	5.164	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	4	337.	336.5	350.	322.	147.667	12.152	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.065	0.078	0.13	0.05	0.001	0.036	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	0.017	0.02	0.032	0.014	0.	0.008	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	4	2.405	2.513	2.85	2.39	0.051	0.225	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	4	0.05	0.06	0.11	0.03	0.001	0.036	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	4	198.	197.25	208.	185.	131.583	11.471	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	4	48.65	49.	53.	45.7	14.087	3.753	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	4	25.5	26.075	28.6	24.7	3.303	1.817	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	4	43.5	42.75	44.	40.	3.583	1.893	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	4	38.5	39.25	46.	34.	32.917	5.737	**	**	**	**
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	4	280.	307.5	620.	50.	59425.	243.772	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	1	220.	220.	220.	220.	0.	0.	**	**	**	**
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	4	1.6	2.95	7.4	1.2	8.837	2.973	**	**	**	**

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Annual Analysis for 1994 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	9	17.3	15.122	20.	5.6	23.529	4.851	5.6	10.95	18.7	20.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	9	25.	28.	57.	15.	159.25	12.619	15.	20.	33.5	57.
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	9	3.46	3.548	4.04	3.39	0.043	0.208	3.39	3.42	3.635	4.04
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	5	415.	421.	490.	350.	4580.	67.676	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	9	9.8	10.4	12.7	8.3	2.217	1.489	8.3	9.4	11.9	12.7
00308p	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	9	1.8	2.3	4.8	0.9	1.235	1.111	0.9	1.7	2.7	4.8
00314p	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	9	1.	1.022	1.6	0.4	0.214	0.463	0.4	0.6	1.5	1.6
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	9 ##	5.	9.667	33.	5.	98.	9.899	5.	5.	12.	33.
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	9	8.3	8.347	8.63	8.17	0.024	0.154	8.17	8.22	8.46	8.63
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	9	8.3	8.324	8.63	8.17	0.024	0.156	8.17	8.22	8.46	8.63
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	9	0.005	0.005	0.007	0.002	0.	0.001	0.002	0.004	0.006	0.007
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	9	186.	181.111	204.	134.	473.111	21.751	134.	170.	197.	204.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	9	362.	363.333	416.	286.	1626.	40.324	286.	335.	397.	416.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	9	8.	21.333	138.	1.	1950.75	44.167	1.	1.5	16.	138.
00545p	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	7 ##	0.2	0.229	0.4	0.2	0.006	0.076	**	**	**	**
00556p	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	9 ##	2.5	2.911	6.2	1.	4.169	2.042	1.	1.	4.65	6.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	9 ##	0.01	0.022	0.07	0.01	0.	0.021	0.01	0.01	0.035	0.07
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	9	0.01	0.016	0.034	0.006	0.	0.011	0.006	0.008	0.027	0.034
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	9	1.99	1.991	2.32	1.78	0.031	0.177	1.78	1.83	2.125	2.32
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	9	0.04	0.052	0.19	0.01	0.003	0.054	0.01	0.025	0.05	0.19
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	7	0.002	0.003	0.008	0.001	0.	0.002	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	9	1.5	1.606	2.9	0.95	0.464	0.681	0.95	1.05	2.15	2.9
00681p	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	7	1.4	1.471	2.6	0.5	0.432	0.658	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	9	192.	218.	386.	144.	4785.25	69.176	144.	182.5	234.	386.

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Annual Analysis for 1994 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	7	46.4	45.5	51.7	33.5	38.91	6.238	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	6	25.25	24.133	28.3	19.	15.047	3.879	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	9	46.	44.111	50.	32.	38.611	6.214	32.	39.	49.	50.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	9	27.	26.444	30.	20.	11.278	3.358	20.	24.	29.	30.
01000p	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01025p	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	9 ##	0.5	0.489	0.5	0.4	0.001	0.033	0.4	0.5	0.5	0.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	9 ##	2.	2.333	5.	2.	1.	1.	2.	2.	2.	5.
01040p	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	9 ##	2.	2.444	6.	2.	1.778	1.333	2.	2.	2.	6.
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	9	144.	720.556	5130.	61.	2747031.278	1657.417	61.	74.5	350.5	5130.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	9	17.	23.556	51.	5.	321.528	17.931	5.	8.5	43.5	51.
01049p	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	9 ##	0.5	1.444	8.	0.5	6.09	2.468	0.5	0.5	1.	8.
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	9	14.7	24.689	112.	5.6	1117.136	33.424	5.6	7.85	22.7	112.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	9	8.3	8.956	15.5	1.	21.213	4.606	1.	6.2	13.5	15.5
01065p	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	9 ##	2.	2.333	5.	2.	1.	1.	2.	2.	2.	5.
01075p	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	9 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01077p	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	9 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	9 ##	2.5	2.889	6.	2.5	1.361	1.167	2.5	2.5	2.5	6.
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	9	79.	222.778	1470.	14.	220852.194	469.949	14.	25.	127.5	1470.
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	9	12.	16.111	46.	5.	196.611	14.022	5.	5.	24.5	46.
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	9 ##	3.5	3.667	4.	3.5	0.063	0.25	3.5	3.5	4.	4.
01147p	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	9 ##	3.5	3.667	4.	3.5	0.063	0.25	3.5	3.5	4.	4.
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	8	0.	0.75	3.	0.	1.929	1.389	**	**	**	**
71890p	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	9 ##	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	9 ##	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	9	4.7	14.411	95.5	1.1	930.151	30.498	1.1	1.9	7.3	95.5

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Annual Analysis for 1995 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	12	12.2	10.908	18.5	0.6	37.834	6.151	1.08	5.9	16.525	18.23
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	11	18.	18.545	35.	9.	50.073	7.076	9.4	15.	23.	32.6
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	12	3.4	3.409	3.65	3.23	0.012	0.109	3.248	3.345	3.48	3.605
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	12	402.5	415.833	500.	330.	3890.152	62.371	331.5	370.	480.	495.5
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	12	10.55	11.242	14.7	9.3	3.715	1.928	9.33	9.65	12.825	14.61
00308p	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	12	1.55	1.525	3.	0.6	0.395	0.628	0.66	1.05	1.8	2.7
00314p	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	12	0.9	0.767	1.2	0.2	0.122	0.35	0.23	0.4	1.	1.2
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	12 ##	5.	5.417	10.	5.	2.083	1.443	5.	5.	5.	8.5
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	12	8.365	8.405	8.63	8.26	0.015	0.122	8.272	8.315	8.517	8.621
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	12	8.365	8.39	8.63	8.26	0.015	0.123	8.272	8.315	8.517	8.621
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	12	0.004	0.004	0.005	0.002	0.	0.001	0.002	0.003	0.005	0.005
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	12	199.	194.	206.	144.	284.364	16.863	156.6	192.5	204.	205.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	12	361.	369.	496.	290.	2948.	54.295	293.6	336.	395.	470.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	12	3.	9.25	24.	1.	95.295	9.762	1.	1.25	21.5	23.4
00545p	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	12 ##	0.1	0.117	0.2	0.1	0.002	0.039	0.1	0.1	0.1	0.2
00556p	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	12 ##	2.5	3.05	5.8	2.5	1.65	1.285	2.5	2.5	2.5	5.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	12 ##	0.01	0.023	0.06	0.01	0.	0.018	0.01	0.01	0.038	0.057
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	12	0.01	0.011	0.026	0.004	0.	0.006	0.004	0.008	0.012	0.023
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	12	2.07	2.068	2.63	1.66	0.055	0.235	1.723	1.935	2.173	2.51

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Annual Analysis for 1995 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	12	0.03	0.039	0.09	0.02	0.	0.02	0.02	0.03	0.048	0.081
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	11	0.002	0.005	0.015	0.001	0.	0.005	0.001	0.001	0.01	0.014
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	12	1.25	1.367	3.	0.5	0.344	0.587	0.68	1.125	1.45	2.61
00681p	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	12	1.3	1.308	3.2	0.	0.566	0.753	0.15	1.05	1.5	2.72
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	12	216.5	215.333	250.	167.	707.515	26.599	171.8	191.75	240.	248.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	12	49.6	48.65	57.	37.9	30.646	5.536	38.35	46.75	51.4	56.31
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	12	26.35	25.617	28.9	18.7	11.362	3.371	19.	24.15	28.35	28.78
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	12	50.5	49.583	56.	39.	17.902	4.231	41.1	47.5	51.75	55.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	12	28.	28.083	30.	23.	3.356	1.832	24.2	28.	29.	30.
01000p	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01025p	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	12 ##	0.1	0.175	1.	0.1	0.068	0.26	0.1	0.1	0.1	0.73
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	12 ##	0.5	0.625	1.	0.3	0.053	0.23	0.36	0.5	0.9	0.97
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01040p	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	12 ##	2.	2.425	6.	0.1	2.404	1.55	0.67	2.	2.	5.7
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	12	94.	2391.083	26800.	45.	59115811.356	7688.681	46.2	61.75	391.	18932.8
01046p	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	12	23.	20.667	48.	5.	180.242	13.425	5.	5.	29.	42.9
01049p	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	12 ##	0.5	0.542	1.	0.5	0.021	0.144	0.5	0.5	0.5	0.85
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	12 ##	0.5	0.542	1.	0.5	0.021	0.144	0.5	0.5	0.5	0.85
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	12	9.25	9.633	26.7	3.5	38.184	6.179	3.86	5.025	11.225	22.44
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	12	5.1	4.975	7.7	2.	3.673	1.916	2.18	3.325	6.725	7.55
01065p	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	12 ##	2.	2.583	7.	2.	2.265	1.505	2.	2.	2.	6.1
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	12 ##	2.	2.75	7.	2.	3.114	1.765	2.	2.	2.	6.7
01075p	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	12 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01077p	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	12 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	12 ##	2.5	3.083	7.	2.5	2.038	1.428	2.5	2.5	2.5	6.4
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	12 ##	2.5	3.042	9.	2.5	3.521	1.876	2.5	2.5	2.5	7.05
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	12	28.	58.75	225.	12.	3756.568	61.291	12.6	20.	85.75	189.9
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	12 ##	5.	6.917	21.	5.	23.72	4.87	5.	5.	5.	18.3
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	12 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
01147p	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	12 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	12	0.	1.25	3.	0.	2.386	1.545	0.	0.	3.	3.
71890p	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	12 ##	0.1	0.108	0.2	0.1	0.001	0.029	0.1	0.1	0.1	0.17
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	12	2.05	2.725	7.4	0.5	4.978	2.231	0.5	1.025	4.4	6.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1996 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	10	7.95	10.39	17.6	4.5	27.363	5.231	4.59	6.15	17.125	17.59
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	10	32.	35.6	73.	18.	261.156	16.16	18.4	23.5	41.25	70.8
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	11	3.57	3.858	6.73	3.39	0.92	0.959	3.404	3.49	3.66	6.146
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	9	420.	430.556	500.	350.	2827.778	53.177	350.	385.	482.5	500.
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	10	11.5	12.05	15.3	9.8	4.029	2.007	9.85	10.375	14.25	15.24
00308p	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	11	1.6	1.382	2.	0.6	0.268	0.517	0.6	1.	1.8	1.96
00314p	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	11	0.5	0.536	1.	0.2	0.099	0.314	0.2	0.2	0.8	1.
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	11 ##	5.	12.636	67.	5.	368.655	19.2	5.	5.	5.	59.
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	10	8.37	8.357	8.83	7.9	0.072	0.268	7.922	8.165	8.515	8.815
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	10	8.37	8.286	8.83	7.9	0.077	0.278	7.922	8.165	8.515	8.815
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	10	0.004	0.005	0.013	0.001	0.	0.003	0.002	0.003	0.007	0.012
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	11	194.	191.818	206.	160.	143.564	11.982	165.2	188.	198.	205.2
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	11	400.	399.636	452.	346.	1282.255	35.809	349.2	374.	434.	451.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	11 ##	1.	3.955	18.	1.	30.023	5.479	1.	1.	6.	16.4

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Annual Analysis for 1996 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00545p	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00556p	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	11 ##	2.5	3.845	7.4	2.5	3.739	1.934	2.5	2.5	5.9	7.18
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	11 ##	0.01	0.022	0.09	0.01	0.001	0.025	0.01	0.01	0.03	0.08
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	11	0.014	0.015	0.024	0.006	0.	0.006	0.007	0.01	0.018	0.024
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	11	2.17	2.224	2.5	2.	0.028	0.166	2.014	2.15	2.41	2.498
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	11 ##	0.01	0.017	0.04	0.01	0.	0.01	0.01	0.01	0.02	0.038
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	11	0.013	0.011	0.019	0.001	0.	0.005	0.002	0.007	0.014	0.018
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	11	1.2	1.255	2.	1.	0.073	0.27	1.	1.1	1.3	1.86
00681p	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	11	1.3	1.373	2.	1.	0.108	0.329	1.	1.1	1.5	1.98
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	11	203.	184.727	218.	5.	3722.418	61.012	40.8	187.	214.	217.4
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	11	54.6	50.573	59.8	18.2	136.238	11.672	23.6	46.1	57.4	59.52
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	11	28.1	26.691	32.8	7.3	50.747	7.124	10.48	25.3	31.1	32.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	11	55.	58.273	83.	49.	92.418	9.613	49.6	52.	65.	79.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	11	27.	27.364	30.	25.	2.855	1.69	25.2	26.	29.	30.
01000p	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	11 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	11 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01025p	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	11	0.8	0.645	1.	0.1	0.123	0.35	0.1	0.3	1.	1.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	11 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01040p	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	11 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	11 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	11	94.	807.091	7150.	52.	4461975.491	2112.339	54.6	66.	240.	5863.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	11	12.	24.182	157.	5.	1984.964	44.553	5.	5.	21.	130.2
01049p	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	11	9.9	11.064	24.1	5.6	28.627	5.35	5.76	6.7	13.6	22.22
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	11	7.9	7.364	12.4	3.5	9.853	3.139	3.64	4.2	10.1	12.1
01065p	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	11 ##	2.	3.273	7.	2.	4.818	2.195	2.	2.	6.	7.
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	11 ##	2.	3.545	8.	2.	5.473	2.339	2.	2.	6.	7.8
01075p	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	11 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01077p	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	11 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	11	47.	84.182	404.	36.	11580.764	107.614	36.	36.	81.	340.8
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	11	21.	20.818	27.	16.	11.764	3.43	16.	17.	23.	26.4
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	11 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
01147p	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	11 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71890p	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	11	1.1	2.427	12.5	0.5	12.138	3.484	0.5	0.5	3.2	10.66

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Annual Analysis for 1997 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	12	10.25	10.625	18.4	3.4	22.418	4.735	3.79	6.625	14.55	17.83
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	9	30.	29.889	51.	13.	184.861	13.596	13.	16.5	42.	51.
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	9	3.56	3.546	3.81	3.3	0.032	0.179	3.3	3.37	3.705	3.81
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	12	420.	418.75	500.	320.	3627.841	60.232	330.5	361.25	471.25	498.5
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	12	11.2	11.342	16.5	8.9	4.197	2.049	9.08	9.775	12.4	15.39
00308p	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	12	1.	1.108	2.4	0.5	0.226	0.476	0.56	0.9	1.175	2.13
00314p	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	12	0.5	0.513	1.3	0.1	0.105	0.323	0.115	0.3	0.675	1.15
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	12 ##	5.	6.5	18.	5.	15.182	3.896	5.	5.	5.	15.6
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	12	8.325	8.32	8.7	7.89	0.039	0.198	7.965	8.21	8.44	8.628

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Annual Analysis for 1997 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	12	8.325	8.276	8.7	7.89	0.041	0.203	7.965	8.21	8.44	8.628
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	12	0.005	0.005	0.013	0.002	0.	0.003	0.002	0.004	0.006	0.011
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	12	199.	200.5	216.	186.	67.727	8.23	187.8	194.5	206.	213.6
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	12	374.	374.333	446.	264.	3014.424	54.904	273.	355.5	428.5	441.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	12 ##	1.	5.083	20.	1.	38.992	6.244	1.	1.	7.5	18.2
00545p	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00556p	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	12 ##	2.5	4.45	15.	2.5	12.768	3.573	2.5	2.5	5.2	12.15
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	12 ##	0.01	0.018	0.06	0.01	0.	0.016	0.01	0.01	0.025	0.054
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	12	0.02	0.016	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	12	2.12	2.101	2.57	1.88	0.041	0.203	1.889	1.923	2.203	2.483
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	12 ##	0.015	0.016	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.027
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	12	0.012	0.011	0.02	0.004	0.	0.004	0.004	0.009	0.014	0.018
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	12	1.25	1.267	1.6	1.	0.039	0.197	1.	1.125	1.375	1.6
00681p	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	12	1.1	1.158	2.1	0.5	0.132	0.363	0.65	1.	1.275	1.86
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	12	206.	190.333	258.	23.	3297.515	57.424	67.7	180.	216.5	246.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	11	51.8	51.191	54.4	44.2	9.137	3.023	45.06	48.5	53.6	54.28
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	11	29.3	29.964	33.5	28.6	1.997	1.413	28.6	29.1	30.5	32.96
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	12	55.	55.167	62.	51.	7.061	2.657	51.6	54.	56.	60.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	12	25.5	25.583	27.	25.	0.447	0.669	25.	25.	26.	26.7
01000p	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01025p	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	12 ##	0.5	0.708	2.	0.5	0.203	0.45	0.5	0.5	0.875	1.7
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01040p	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	12 ##	2.	3.5	20.	2.	27.	5.196	2.	2.	2.	14.6
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	12 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	12	98.5	126.083	303.	42.	7519.174	86.713	42.9	49.75	212.	280.8
01046p	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	12	17.	20.583	44.	5.	208.992	14.457	5.	10.	34.75	44.
01049p	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	12	10.6	11.05	21.	4.7	26.035	5.102	4.73	6.25	14.325	19.68
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	12	5.75	6.667	12.5	3.	12.475	3.532	3.12	3.4	9.125	12.47
01065p	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	12 ##	2.	2.5	6.	2.	1.545	1.243	2.	2.	2.	5.4
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	12 ##	2.	2.5	6.	2.	1.545	1.243	2.	2.	2.	5.4
01075p	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	12 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01077p	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	12 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	12	46.5	62.917	128.	20.	1241.174	35.23	24.5	39.	84.25	126.5
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	12	19.	16.75	24.	5.	55.114	7.424	5.	7.75	22.75	23.7
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	12 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
01147p	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	12 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	11	0.	2.182	13.	0.	18.964	4.355	0.	0.	3.	12.
71890p	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	12 ##	0.1	0.108	0.2	0.1	0.001	0.029	0.1	0.1	0.1	0.17
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	12	1.15	1.267	3.3	0.5	0.793	0.891	0.5	0.5	1.825	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	9	12.9	13.122	18.5	5.3	23.087	4.805	5.3	8.8	17.85	18.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	2	17.	17.	21.	13.	32.	5.657	**	**	**	**
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	2	3.315	3.315	3.32	3.31	0.	0.007	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	9	420.	432.778	500.	350.	3919.444	62.605	350.	370.	497.5	500.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

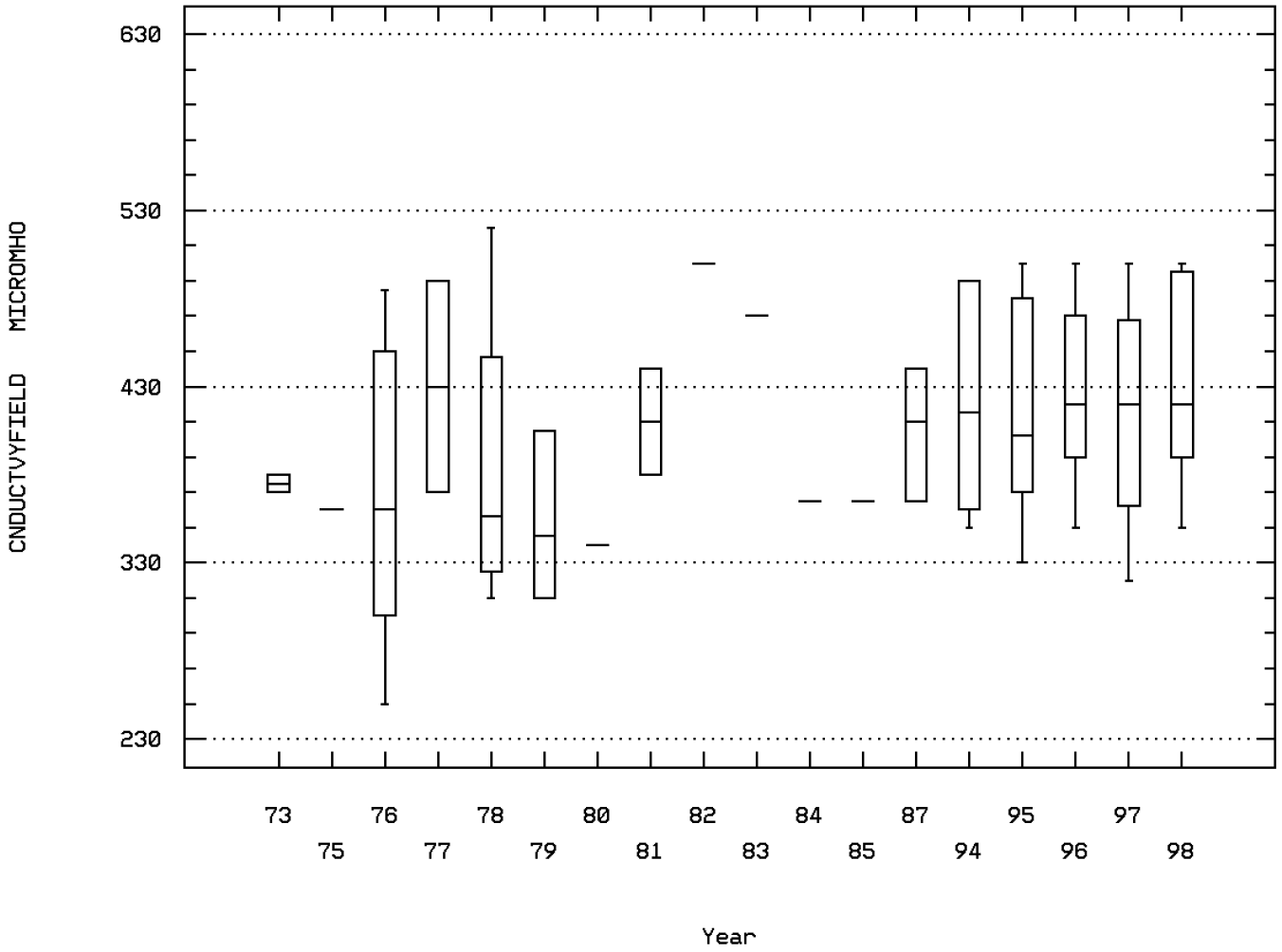
Annual Analysis for 1998 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	9	10.3	10.856	14.2	8.6	2.88	1.697	8.6	9.55	11.9	14.2
00308p	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	04/28/94-12/03/98	10	1.15	1.11	2.2	0.2	0.425	0.652	0.21	0.525	1.525	2.17
00314p	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/28/94-12/03/98	10	0.4	0.515	1.3	0.15	0.148	0.384	0.155	0.2	0.825	1.26
00340p	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00400p	PH (STANDARD UNITS)	11/21/72-12/03/98	9	8.23	8.246	8.59	7.78	0.058	0.241	7.78	8.115	8.44	8.59
00400p	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	9	8.23	8.182	8.59	7.78	0.063	0.251	7.78	8.115	8.44	8.59
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	9	0.006	0.007	0.017	0.003	0.	0.004	0.003	0.004	0.008	0.017
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	10	204.	199.6	214.	160.	248.711	15.771	163.2	195.	210.5	213.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	10	356.	305.6	430.	64.	15948.267	126.286	69.2	203.	391.5	427.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	10	13.	16.8	54.	1.	329.511	18.152	1.	1.	30.	52.2
00545p	RESIDUE, SETTLEABLE (ML/L)	06/20/94-12/03/98	10 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00556p	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/28/94-12/03/98	10 ##	2.5	3.6	6.8	2.5	3.209	1.791	2.5	2.5	5.775	6.72
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	10 ##	0.01	0.017	0.06	0.01	0.	0.016	0.01	0.01	0.015	0.057
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	10 ##	0.008	0.011	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	10	1.975	2.014	2.9	1.66	0.128	0.357	1.666	1.758	2.115	2.823
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	10	0.02	0.02	0.03	0.01	0.	0.008	0.01	0.01	0.03	0.03
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/28/94-12/03/98	10	0.013	0.013	0.018	0.006	0.	0.003	0.006	0.011	0.015	0.018
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/94-12/03/98	10	1.45	1.53	2.6	1.1	0.205	0.452	1.1	1.175	1.675	2.53
00681p	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/94-12/03/98	10	1.35	1.42	2.2	1.	0.124	0.352	1.01	1.175	1.575	2.16
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	10	212.	209.1	277.	160.	1060.322	32.563	160.6	192.25	220.25	272.3
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	10	55.25	54.83	61.6	43.2	25.007	5.001	44.	53.375	58.4	61.28
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	10	32.35	31.34	36.2	22.9	15.045	3.879	23.33	29.3	33.95	35.99
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	10	51.5	51.8	59.	41.	29.956	5.473	41.5	49.75	57.25	58.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	10	26.	25.7	28.	22.	3.567	1.889	22.1	24.5	27.	27.9
01000p	ARSENIC, DISSOLVED (UG/L AS AS)	04/28/94-12/03/98	10 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01002p	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	10 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01025p	CADMIUM, DISSOLVED (UG/L AS CD)	04/28/94-12/03/98	10 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	10 ##	0.1	0.11	0.2	0.1	0.001	0.032	0.1	0.1	0.1	0.19
01032p	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	10 ##	0.5	0.65	1.	0.5	0.058	0.242	0.5	0.5	1.	1.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	10 ##	2.	2.4	6.	2.	1.6	1.265	2.	2.	2.	5.6
01040p	COPPER, DISSOLVED (UG/L AS CU)	04/28/94-12/03/98	10 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01042p	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	10 ##	2.	2.3	5.	2.	0.9	0.949	2.	2.	2.	4.7
01045p	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	10	132.	178.4	408.	10.	17482.933	132.223	13.4	81.5	294.25	400.9
01046p	IRON, DISSOLVED (UG/L AS FE)	04/28/94-12/03/98	10 ##	10.	14.4	44.	5.	134.711	11.607	5.5	10.	13.75	42.1
01049p	LEAD, DISSOLVED (UG/L AS PB)	04/28/94-12/03/98	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01051p	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	10	7.45	8.61	15.	4.	14.037	3.747	4.08	5.775	11.325	14.94
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/94-12/03/98	10	5.2	5.78	9.5	2.6	6.208	2.492	2.67	3.6	8.075	9.5
01065p	NICKEL, DISSOLVED (UG/L AS NI)	04/28/94-12/03/98	10 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01067p	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	10 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01075p	SILVER, DISSOLVED (UG/L AS AG)	04/28/94-12/03/98	10 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01077p	SILVER, TOTAL (UG/L AS AG)	04/28/94-12/03/98	10 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/28/94-12/03/98	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01092p	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105p	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	10	63.5	75.6	195.	18.	2996.711	54.742	18.2	33.5	101.5	189.4
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/28/94-08/17/98	8 ##	5.	10.75	34.	5.	123.643	11.119	**	**	**	**
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	04/28/94-12/03/98	10 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
01147p	SELENIUM, TOTAL (UG/L AS SE)	04/28/94-12/03/98	10 ##	3.5	3.5	3.5	3.5	0.	0.	3.5	3.5	3.5	3.5
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/26/94-12/03/98	10	0.	1.1	5.	0.	3.433	1.853	0.	0.	3.	4.8
71890p	MERCURY, DISSOLVED (UG/L AS HG)	04/28/94-12/03/98	10 ##	0.1	0.11	0.2	0.1	0.001	0.032	0.1	0.1	0.1	0.19
71900p	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	10 ##	0.1	0.11	0.2	0.1	0.001	0.032	0.1	0.1	0.1	0.19
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	10	1.6	2.36	5.1	0.5	2.963	1.721	0.5	0.95	3.9	5.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VAF00045 Parameter Code: 00094

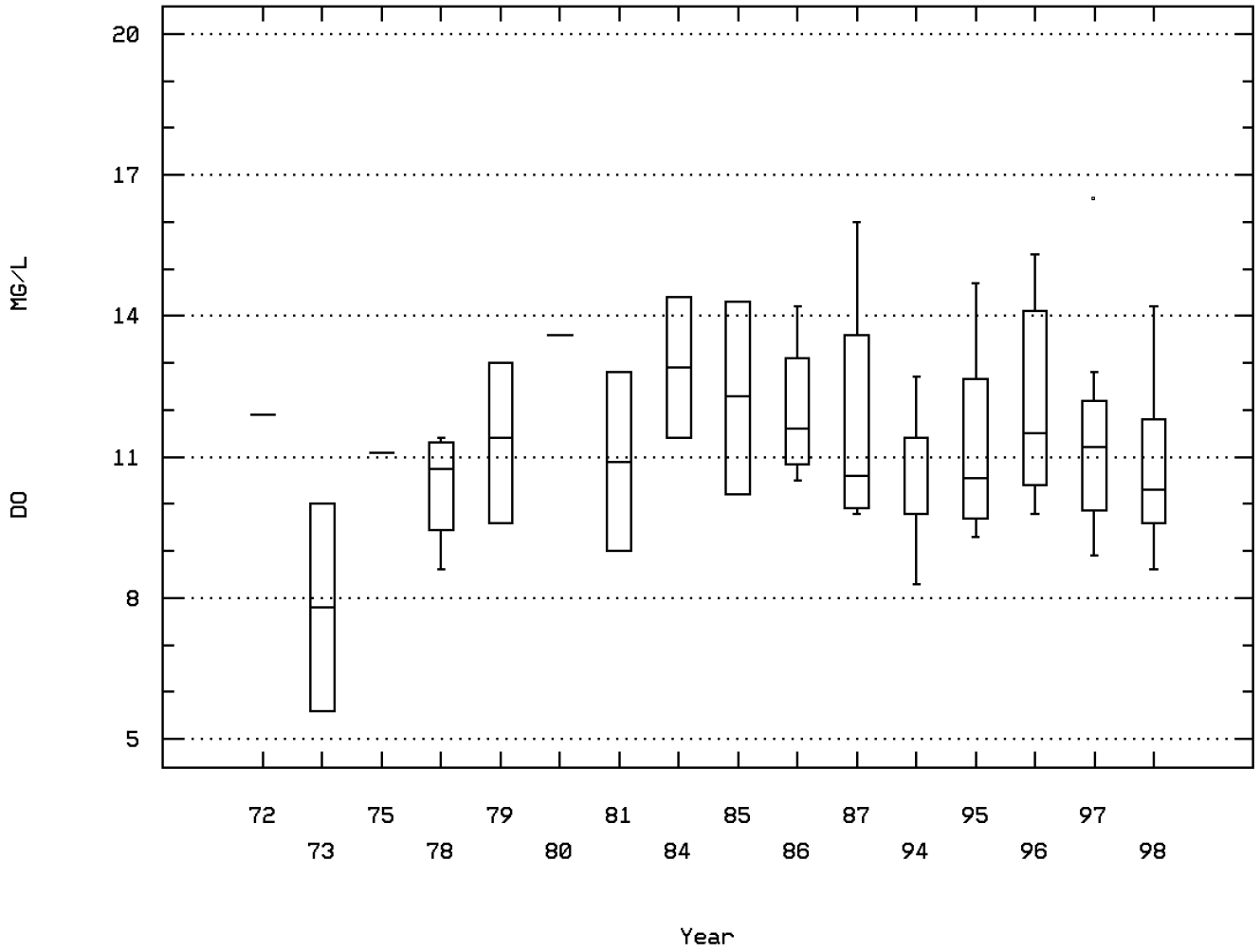
SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00300

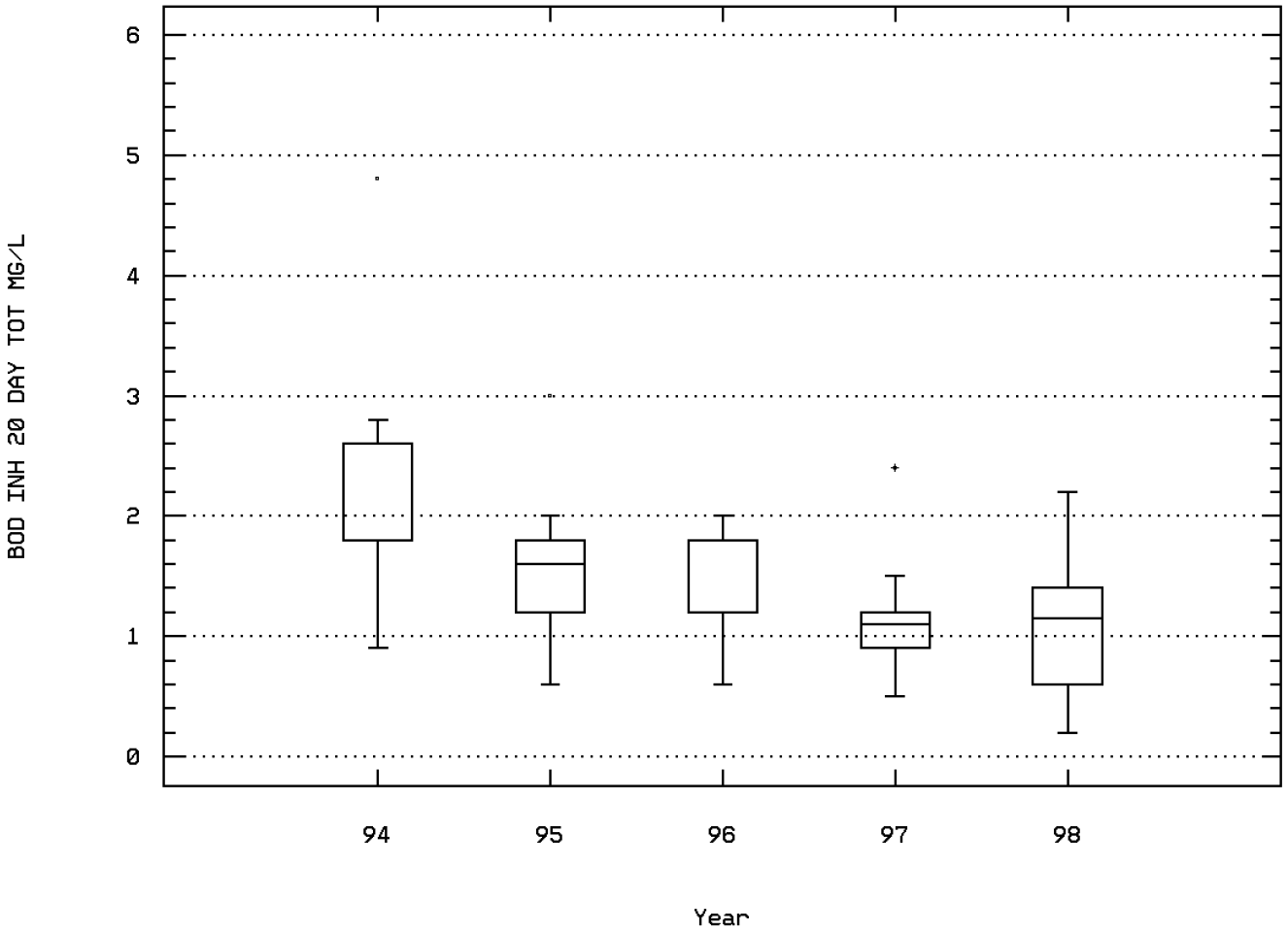
OXYGEN, DISSOLVED



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00308

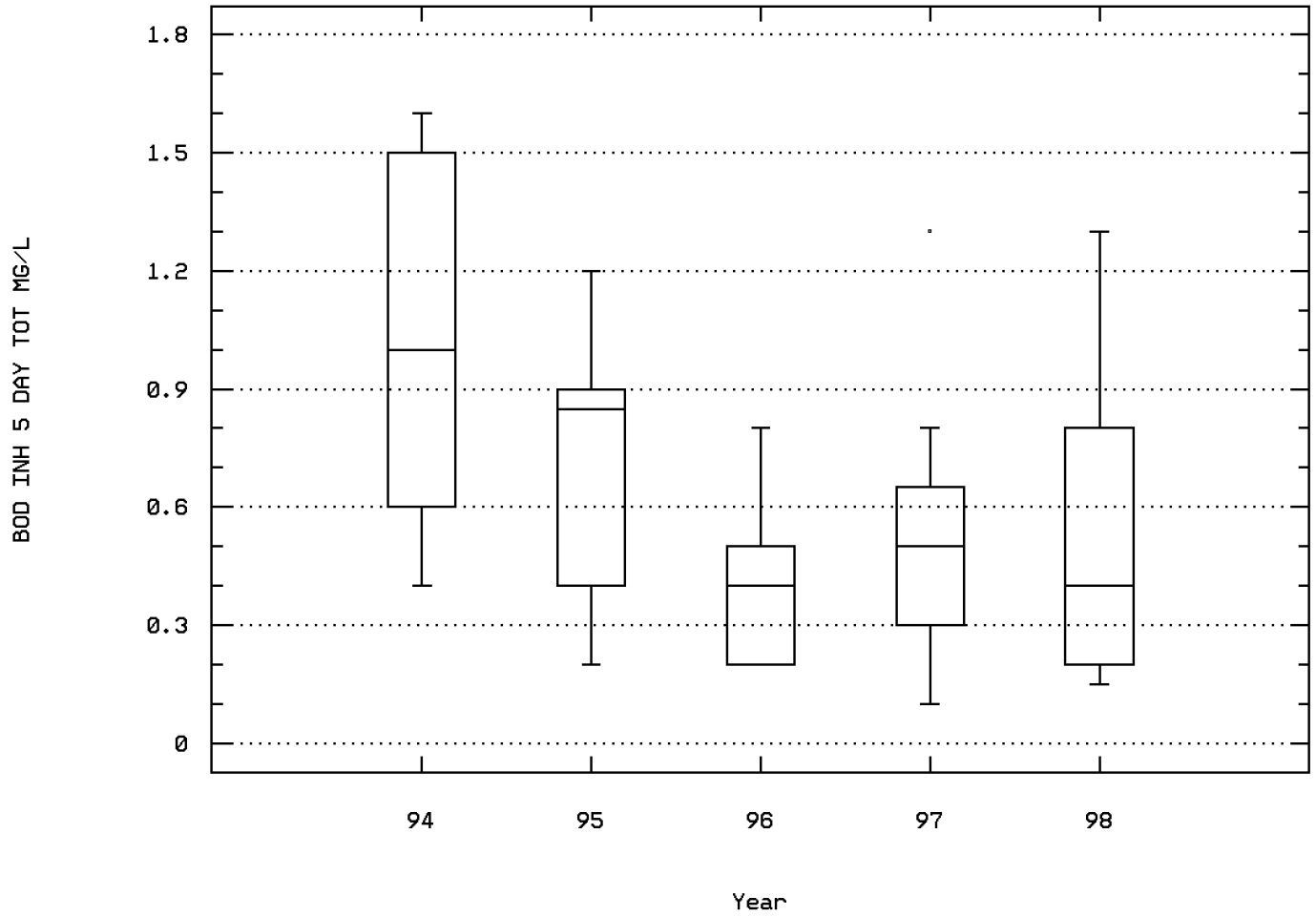
BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20



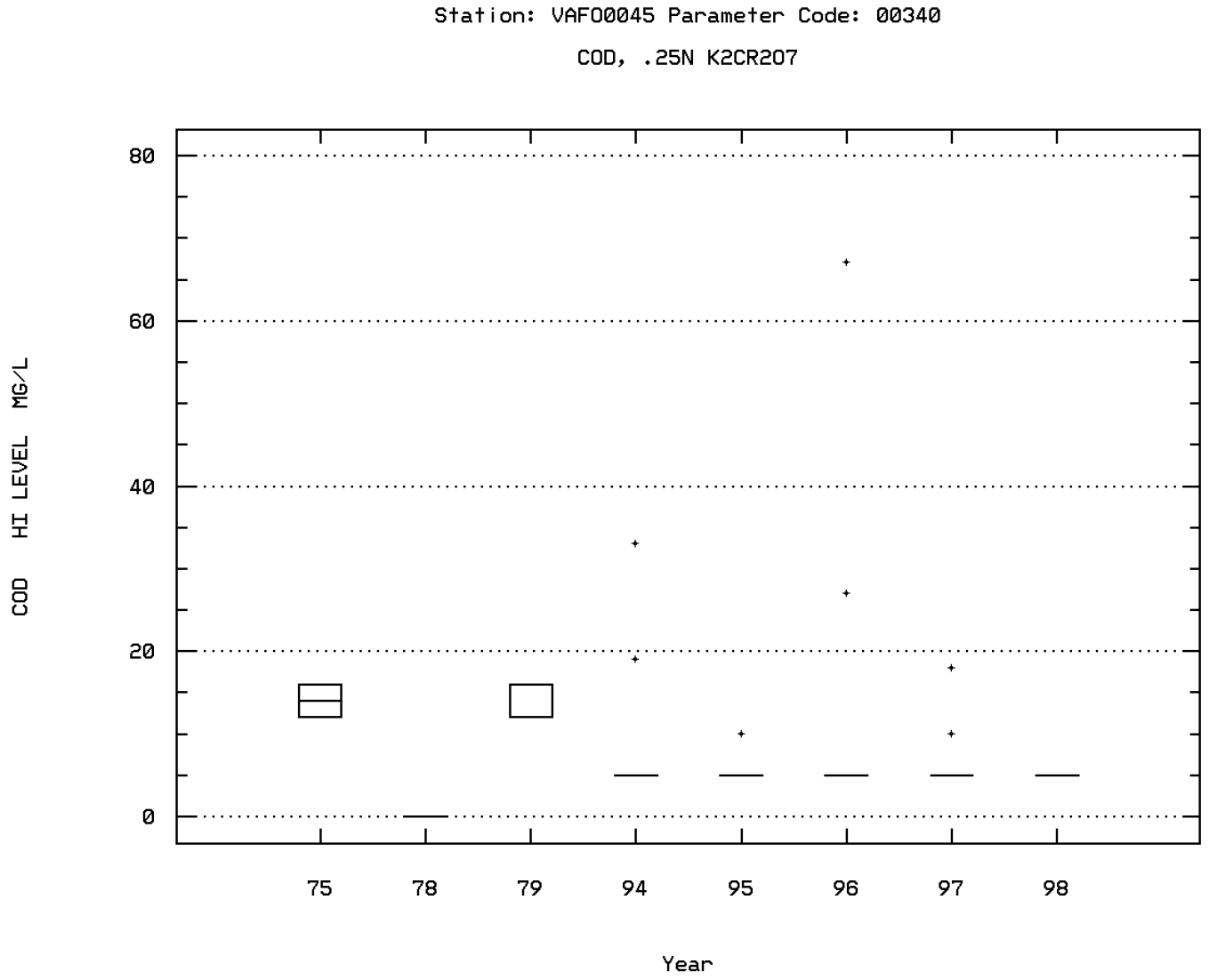
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00314

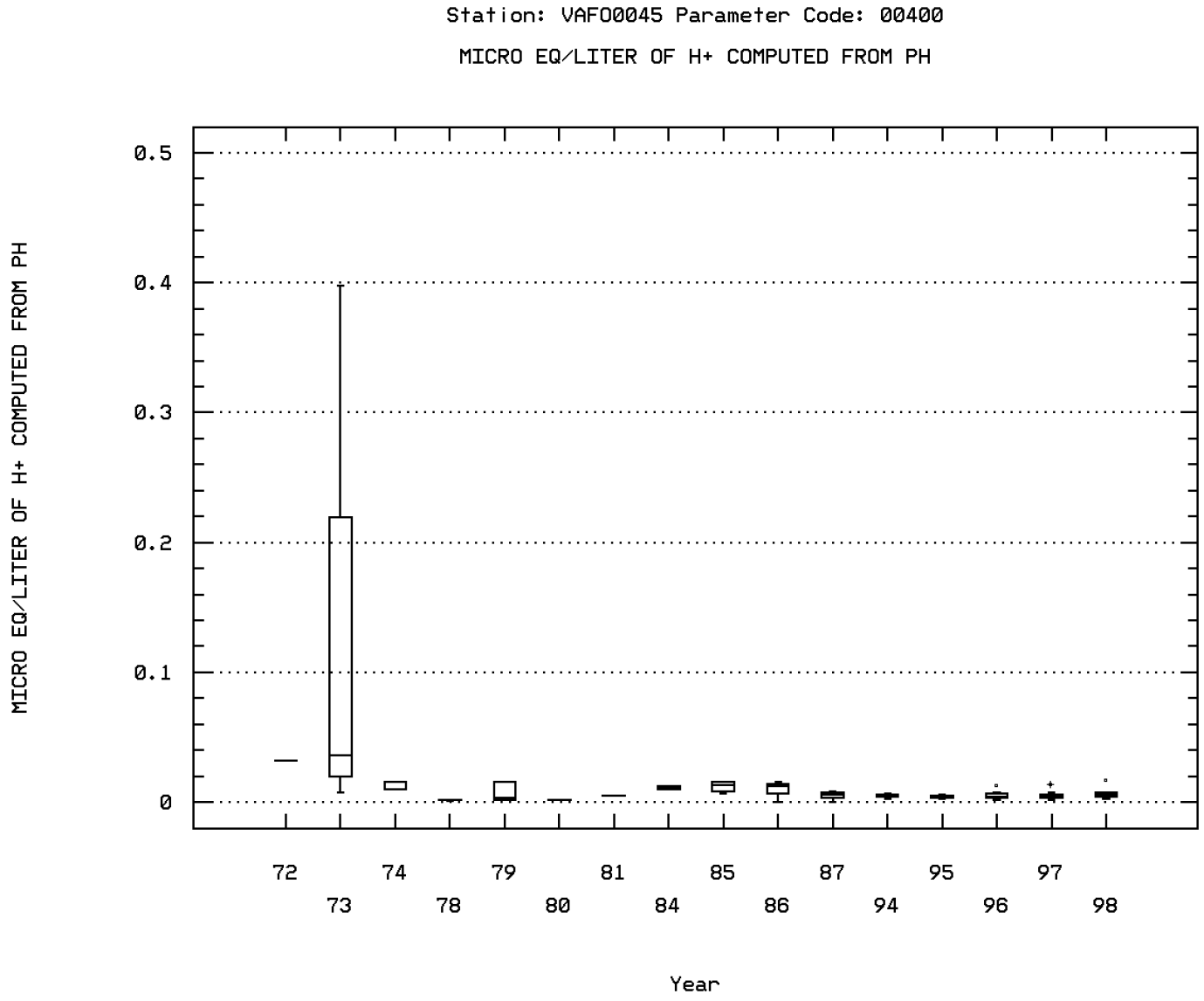
BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 D



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



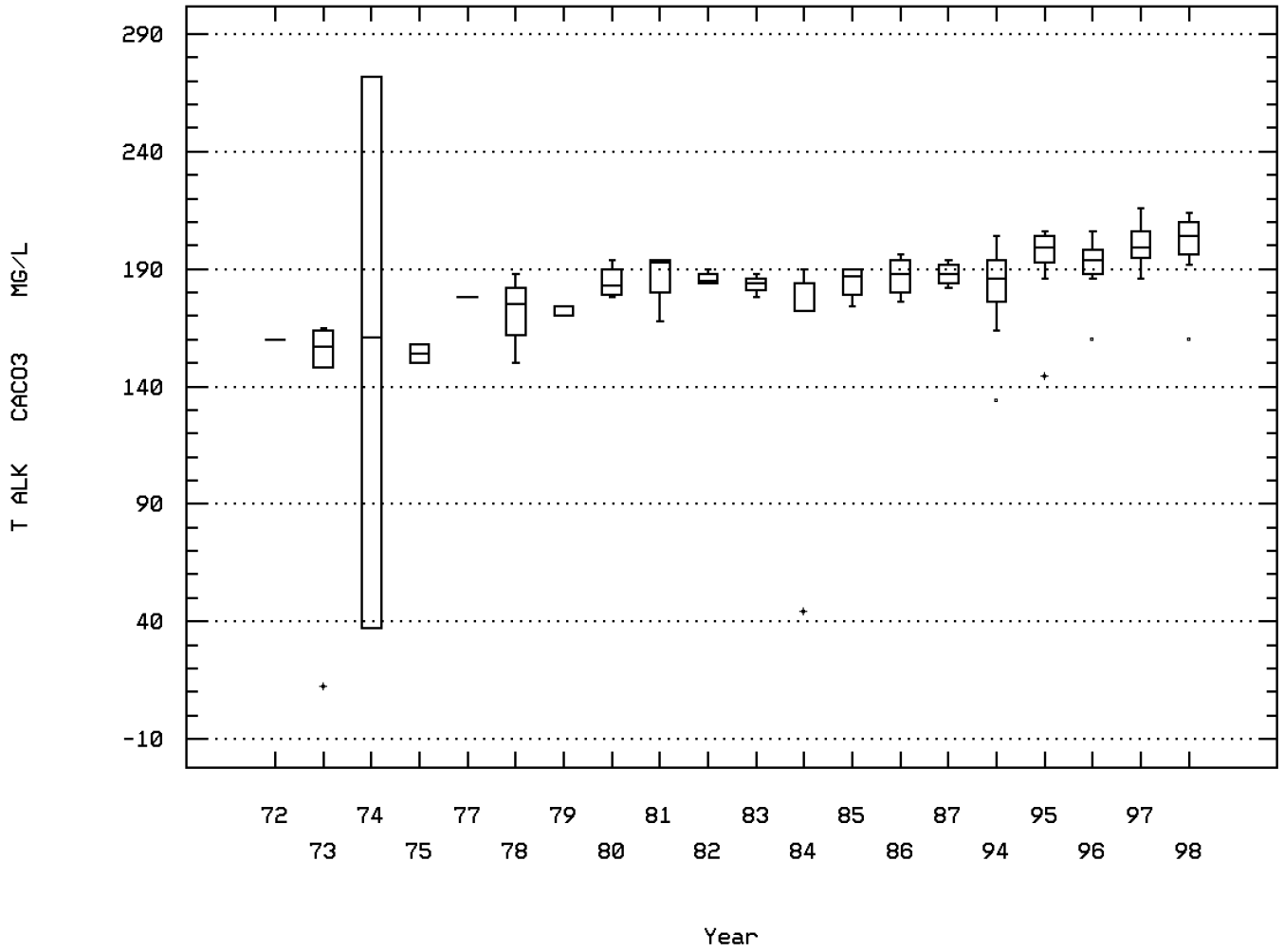
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00410

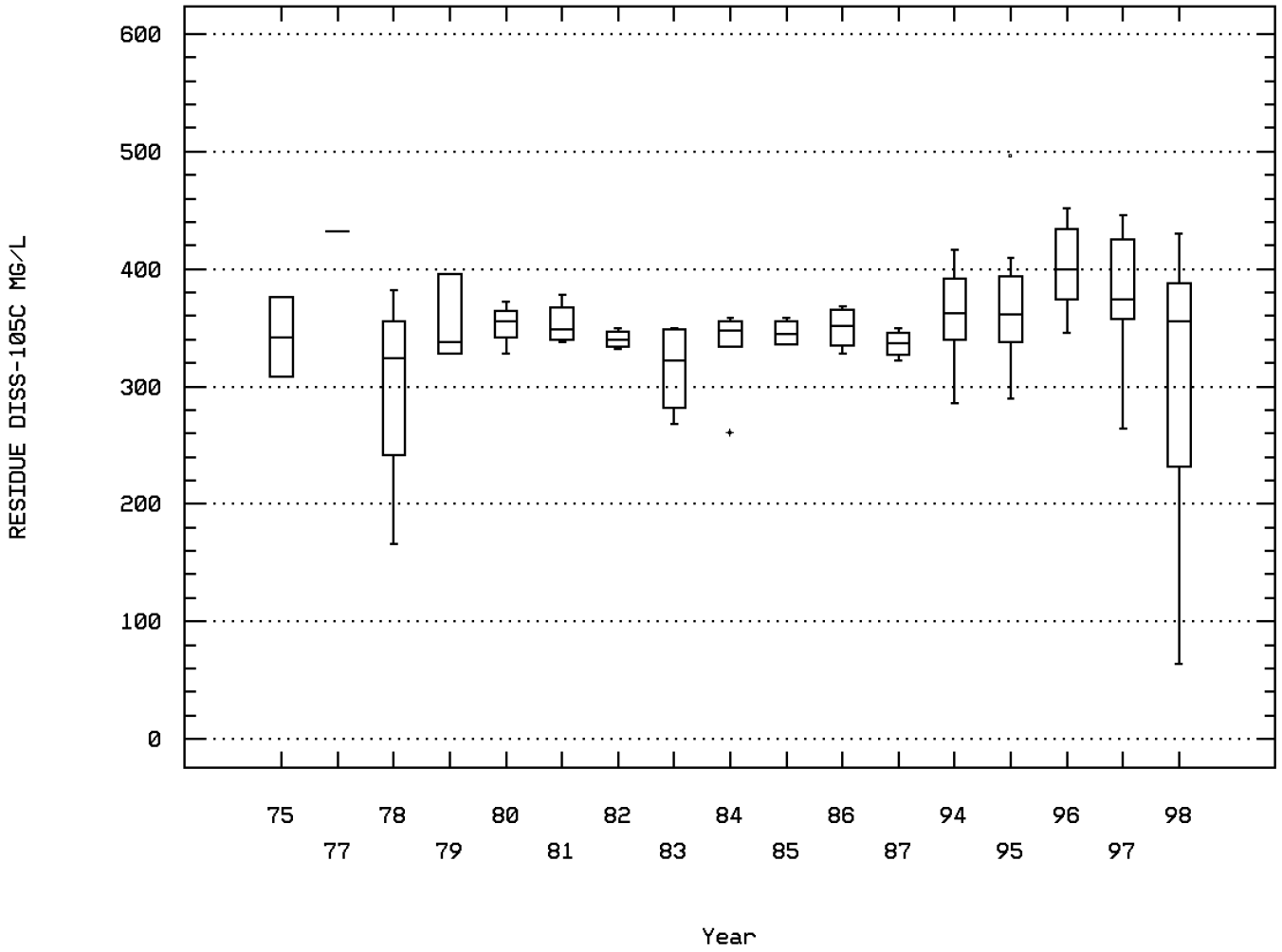
ALKALINITY, TOTAL (MG/L AS CACO3)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00515

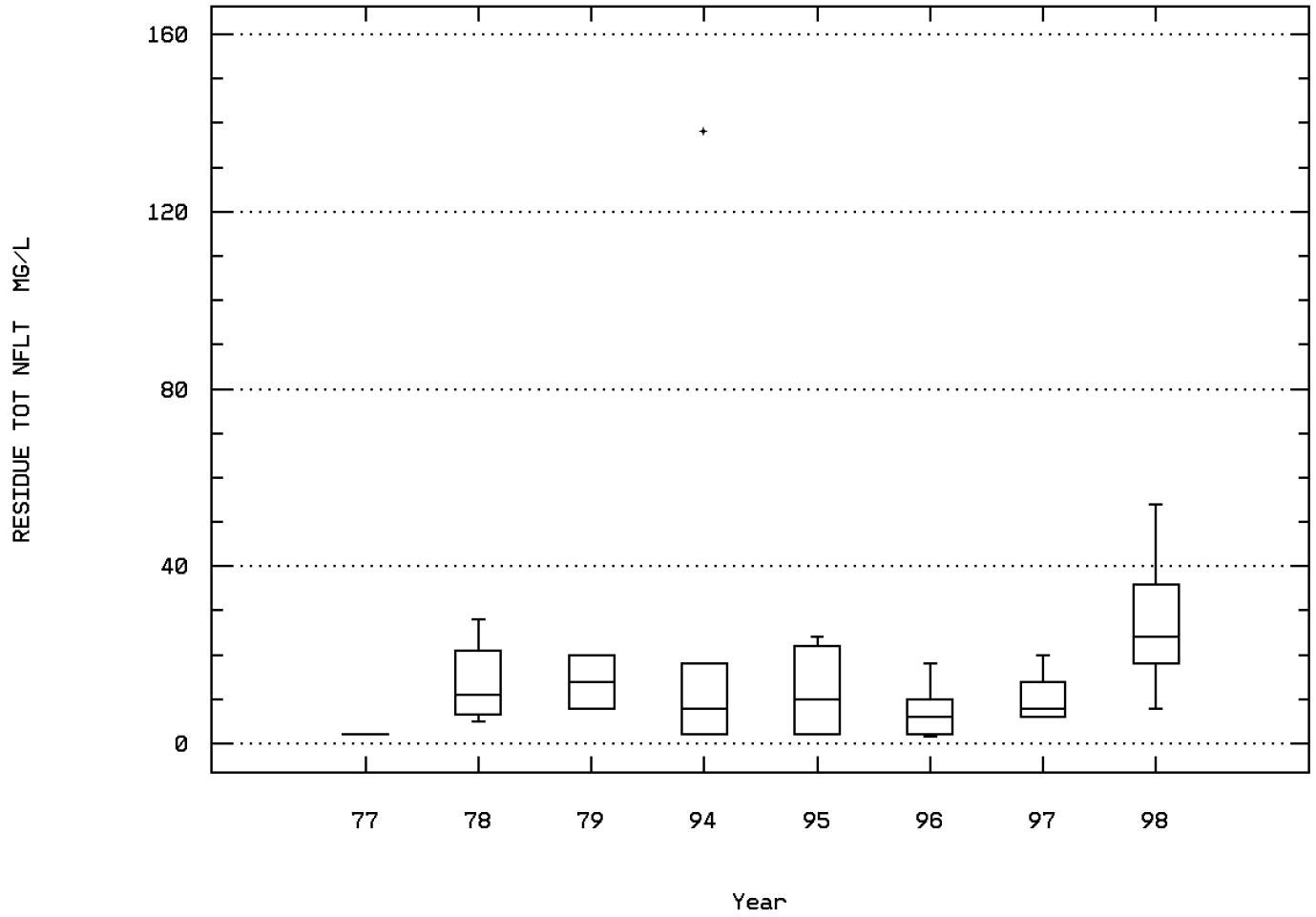
RESIDUE, TOTAL FILTRABLE (DRIED AT 105



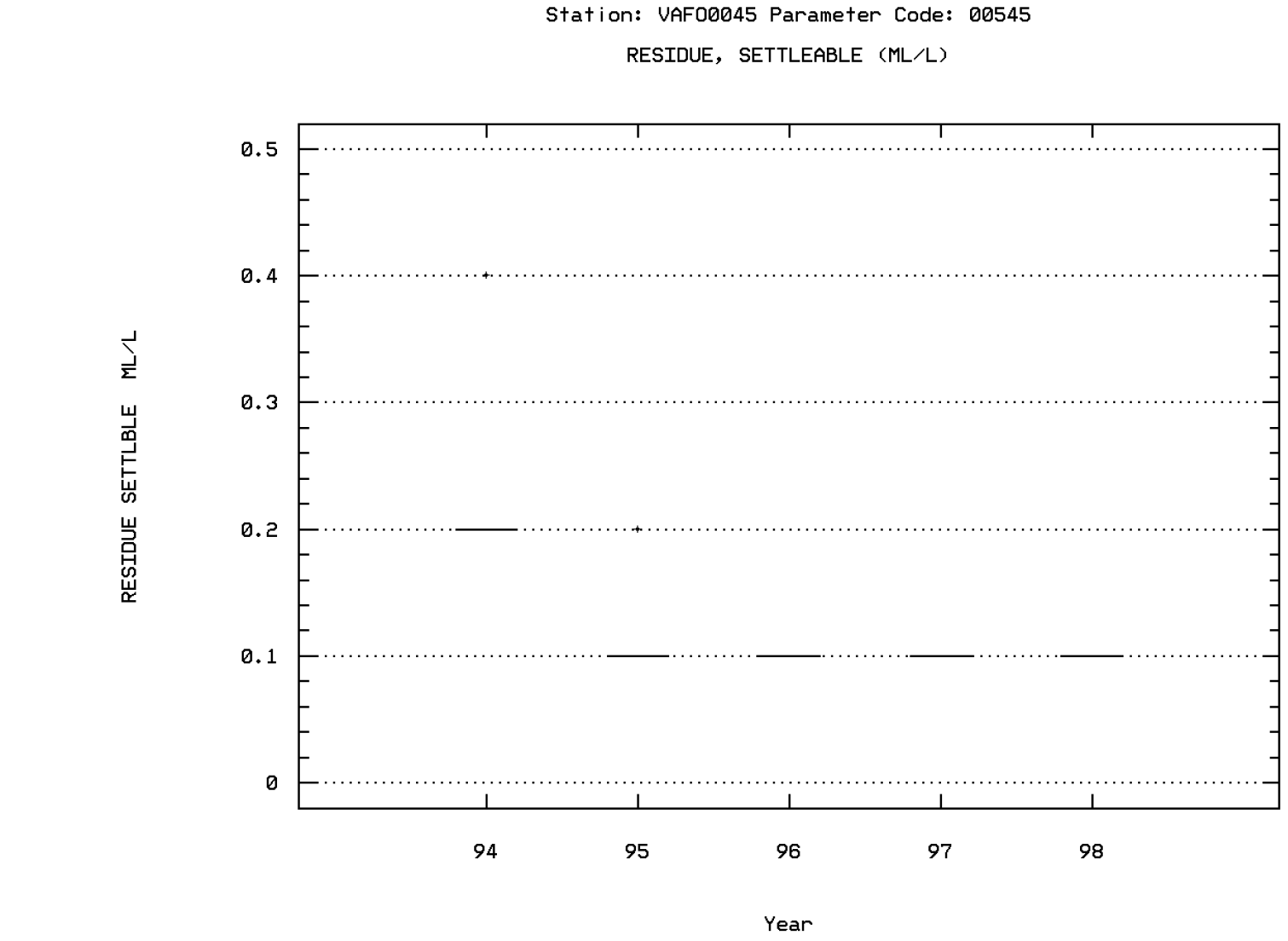
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00530

RESIDUE, TOTAL NONFILTRABLE (MG/L)



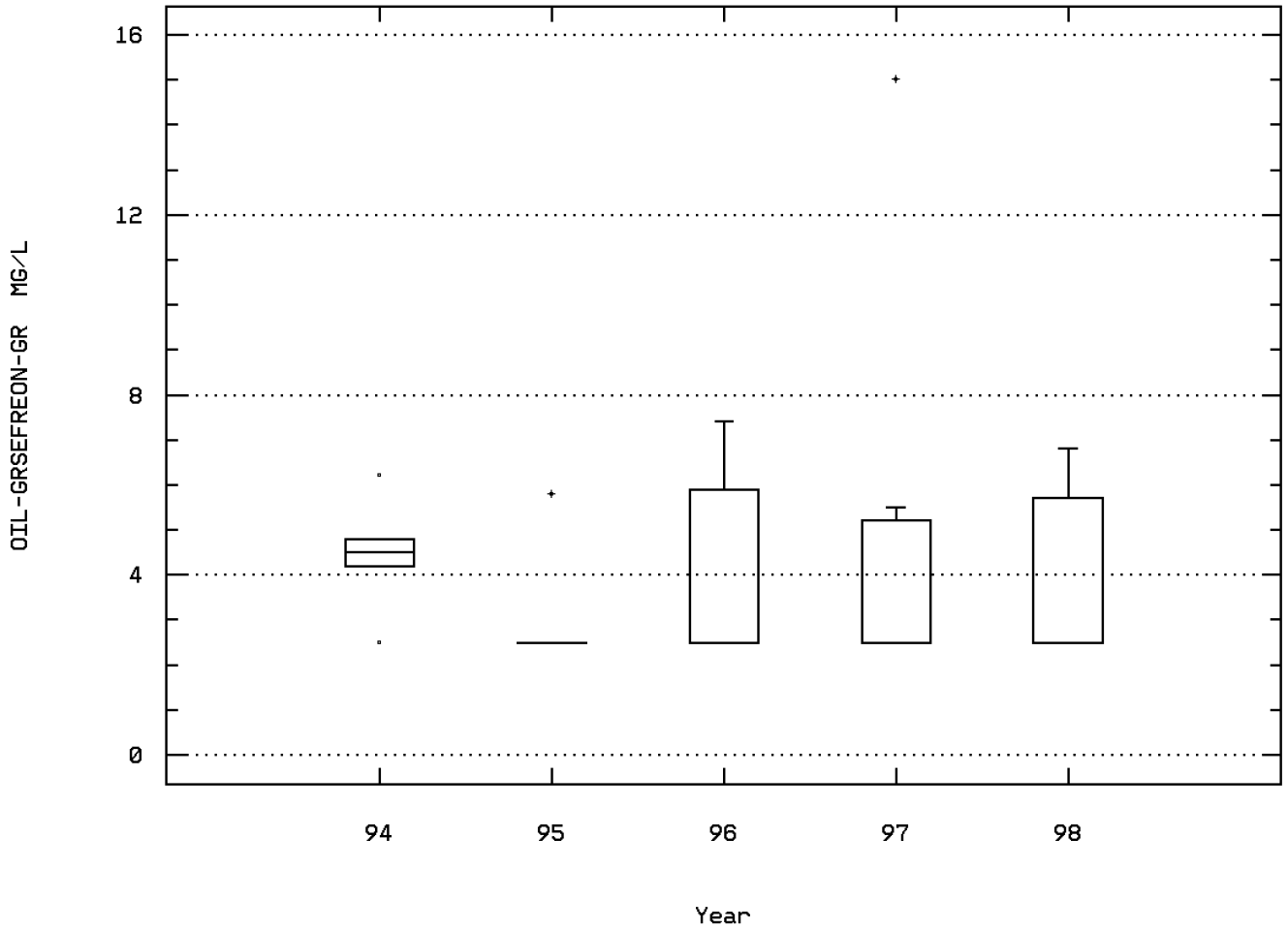
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00556

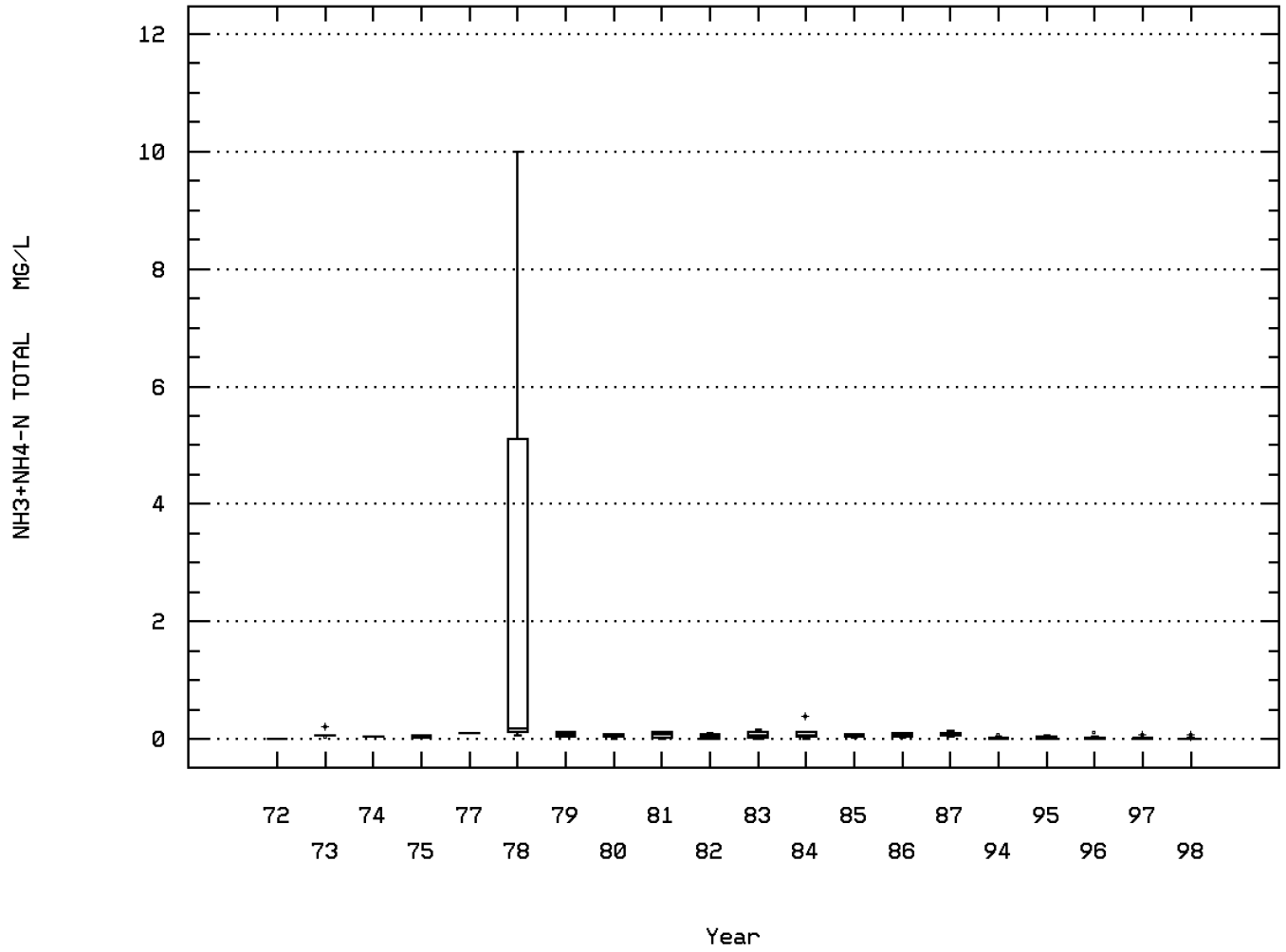
OIL & GREASE (FREON EXTR.-GRAV METH) TO



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00610

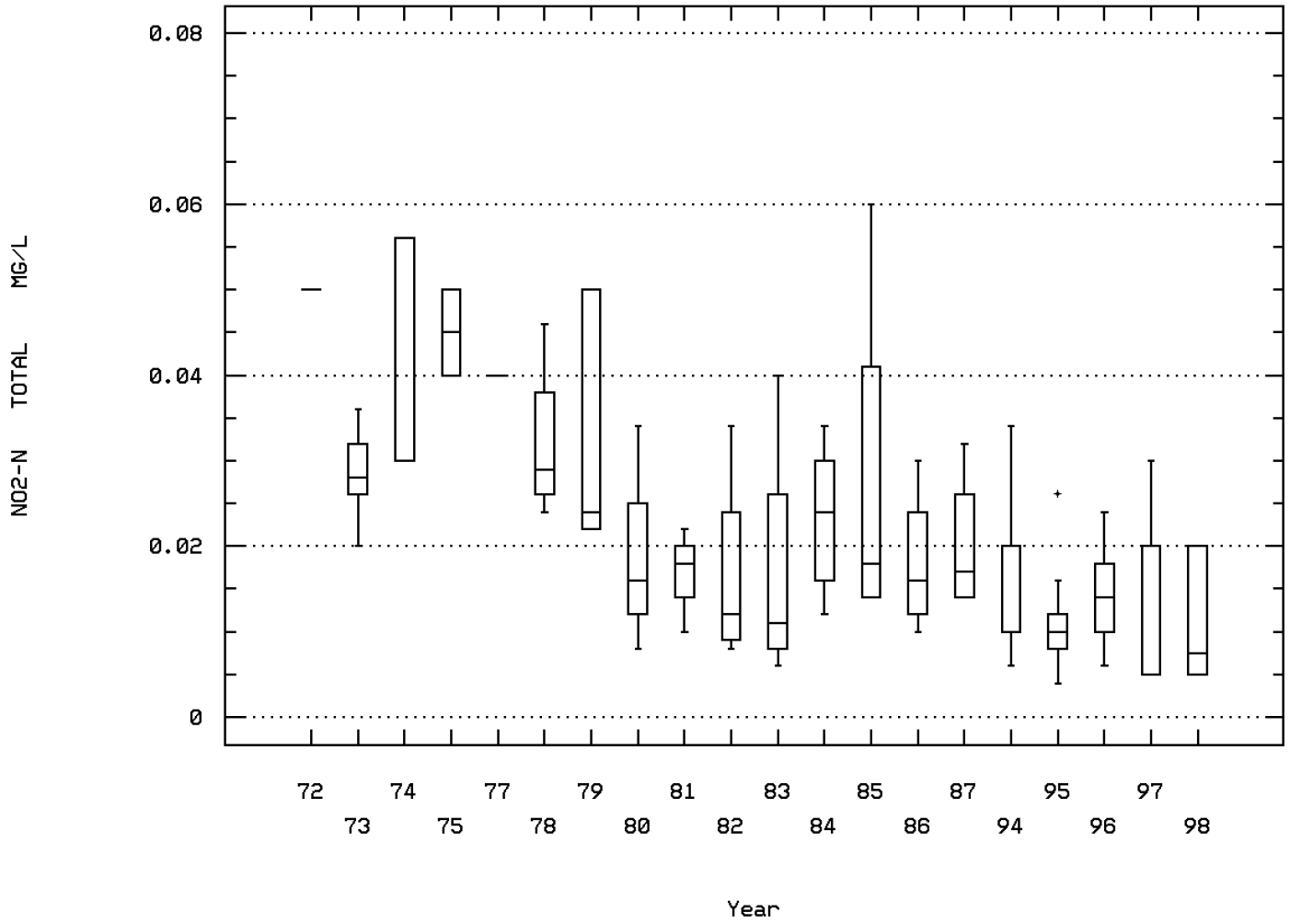
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00615

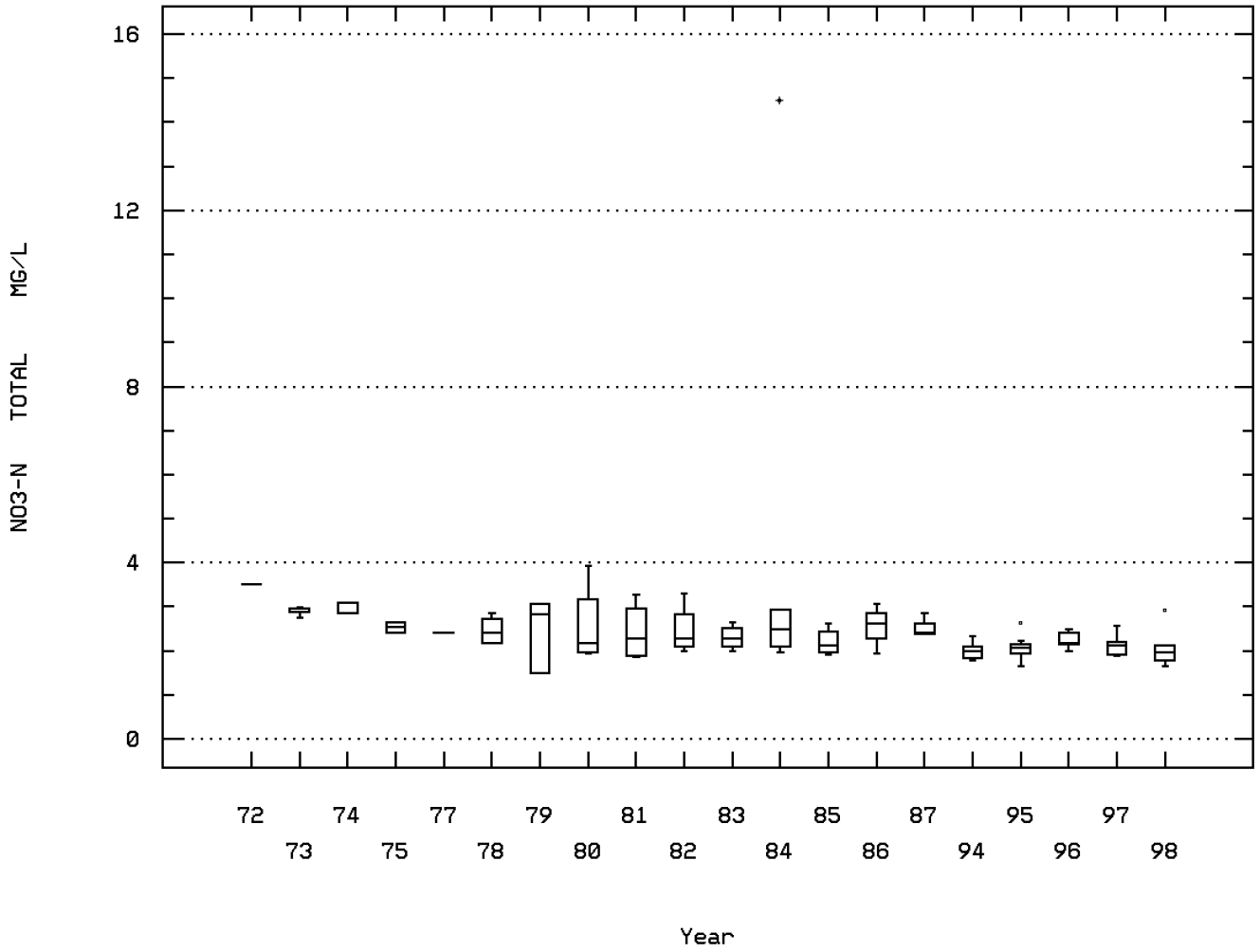
NITRITE NITROGEN, TOTAL (MG/L AS N)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00620

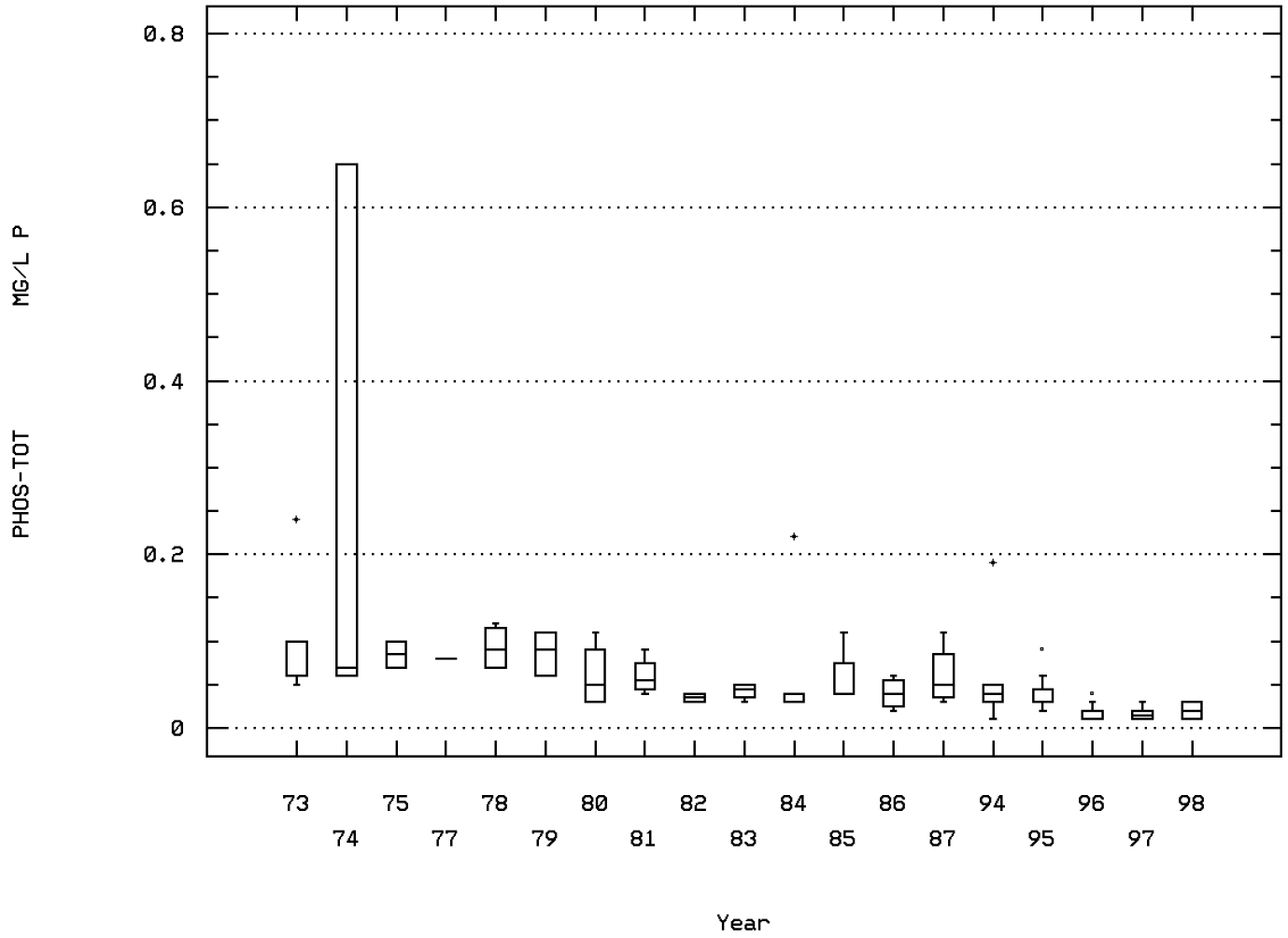
NITRATE NITROGEN, TOTAL (MG/L AS N)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)

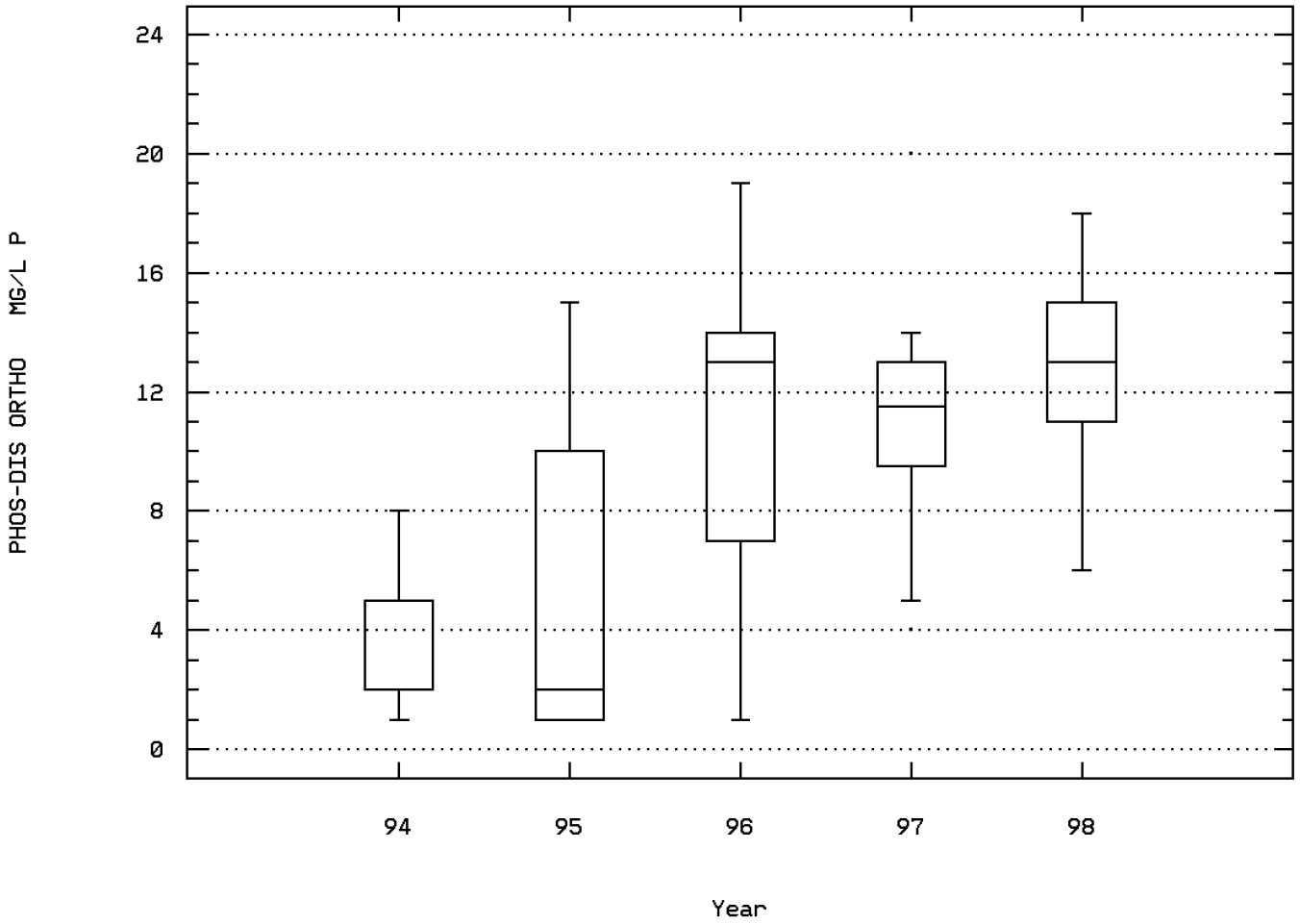


VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00671

PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M

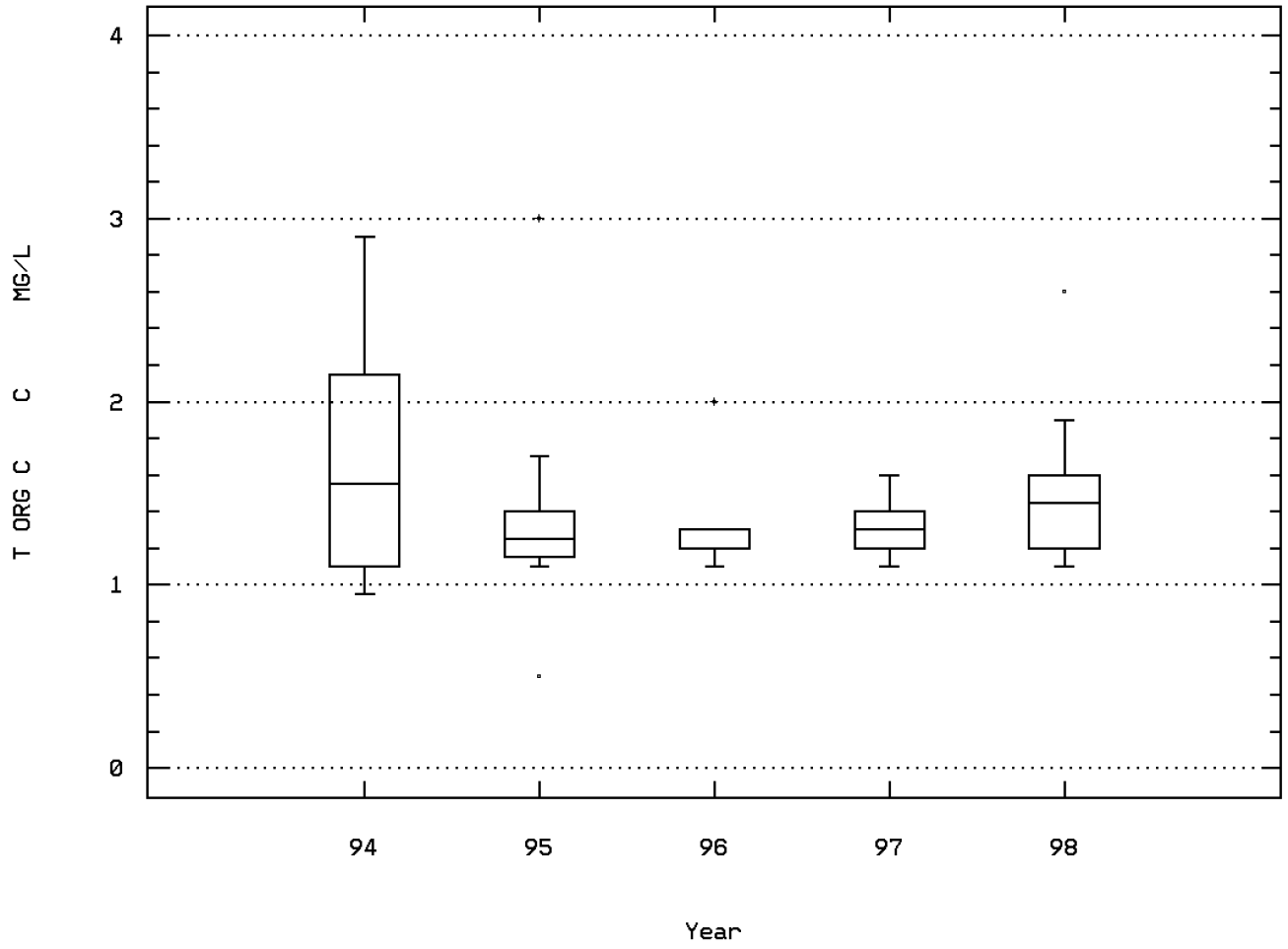
(X 0.001)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00680

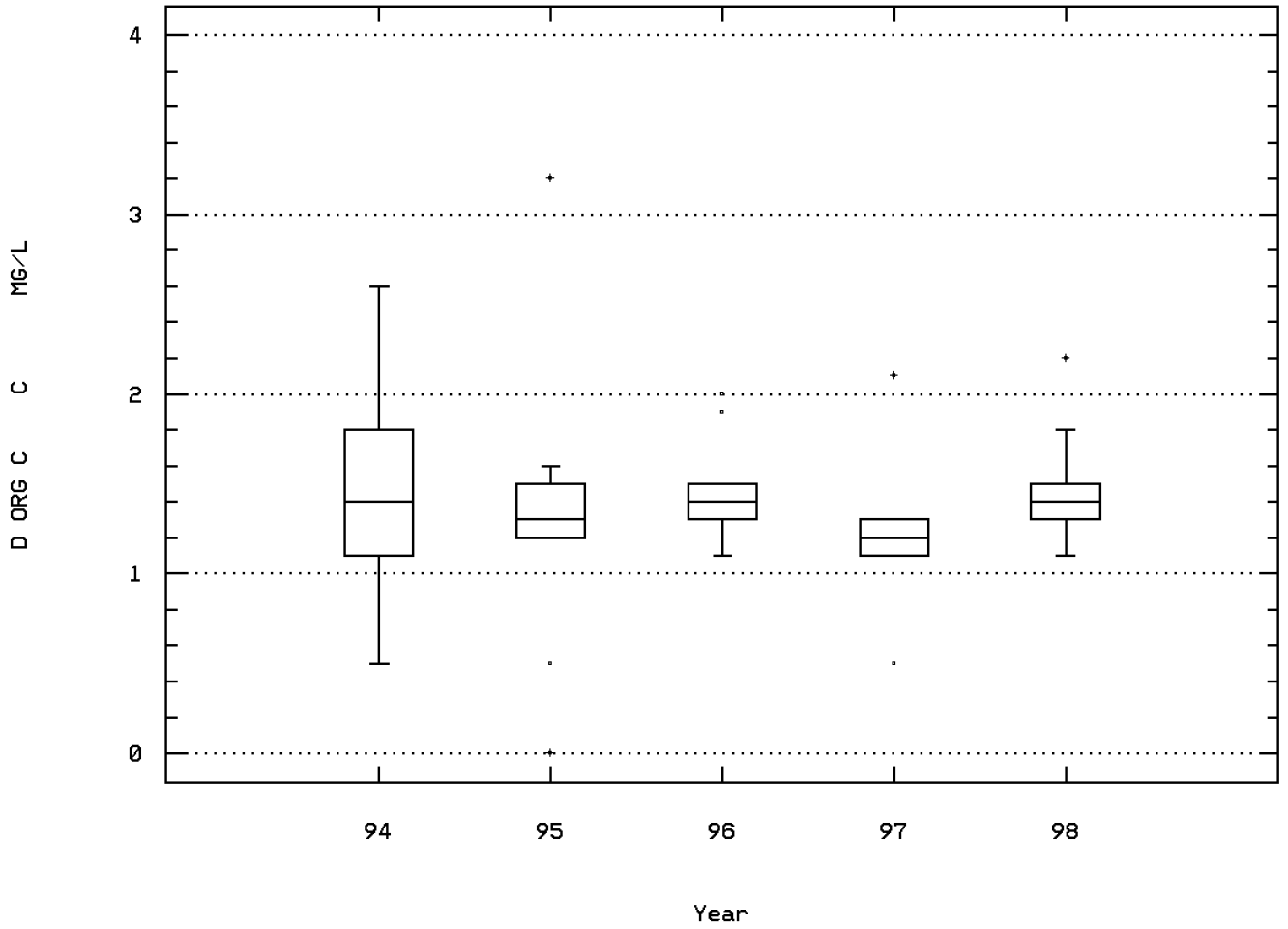
CARBON, TOTAL ORGANIC (MG/L AS C)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00681

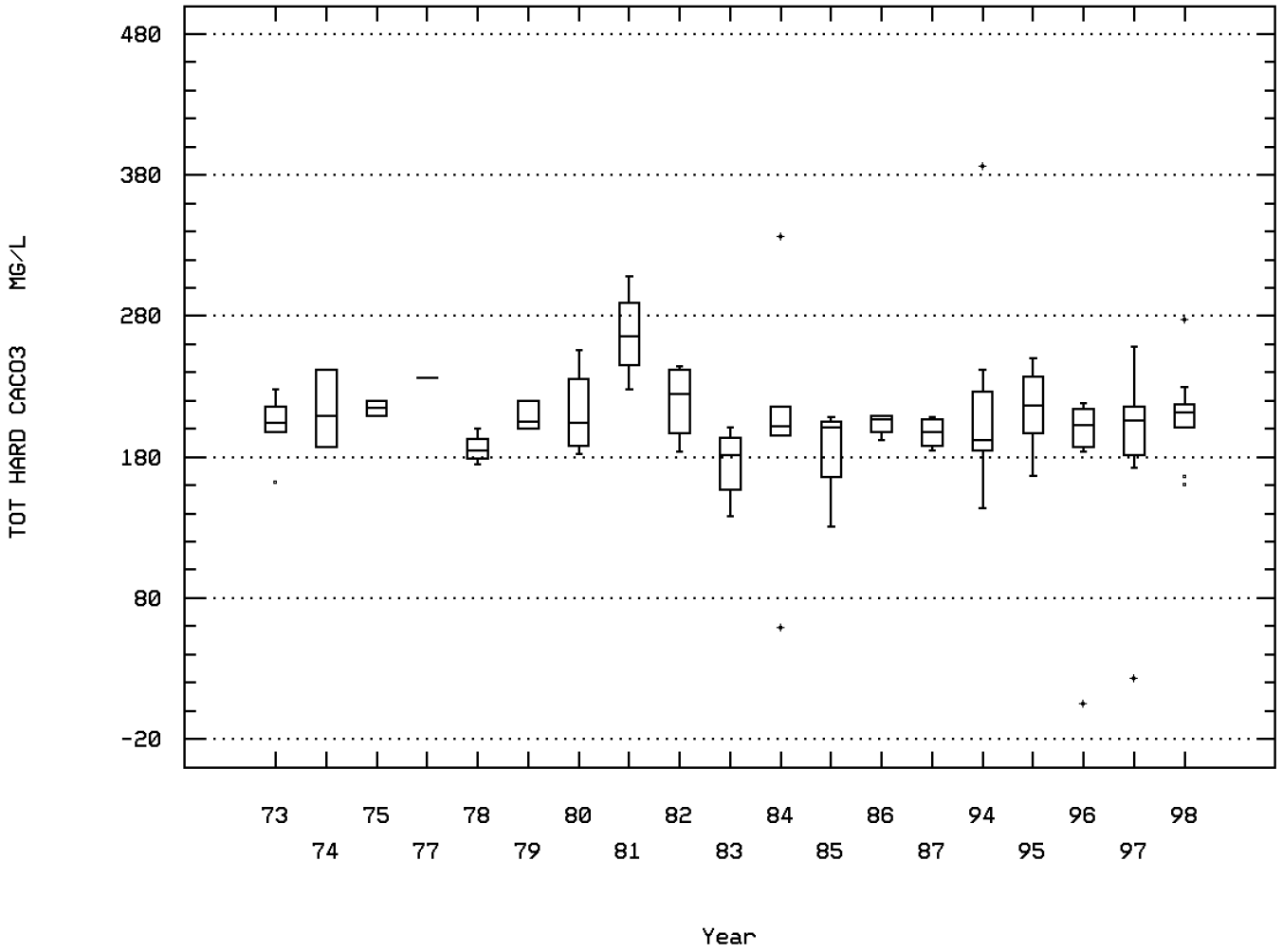
CARBON, DISSOLVED ORGANIC (MG/L AS C)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00900

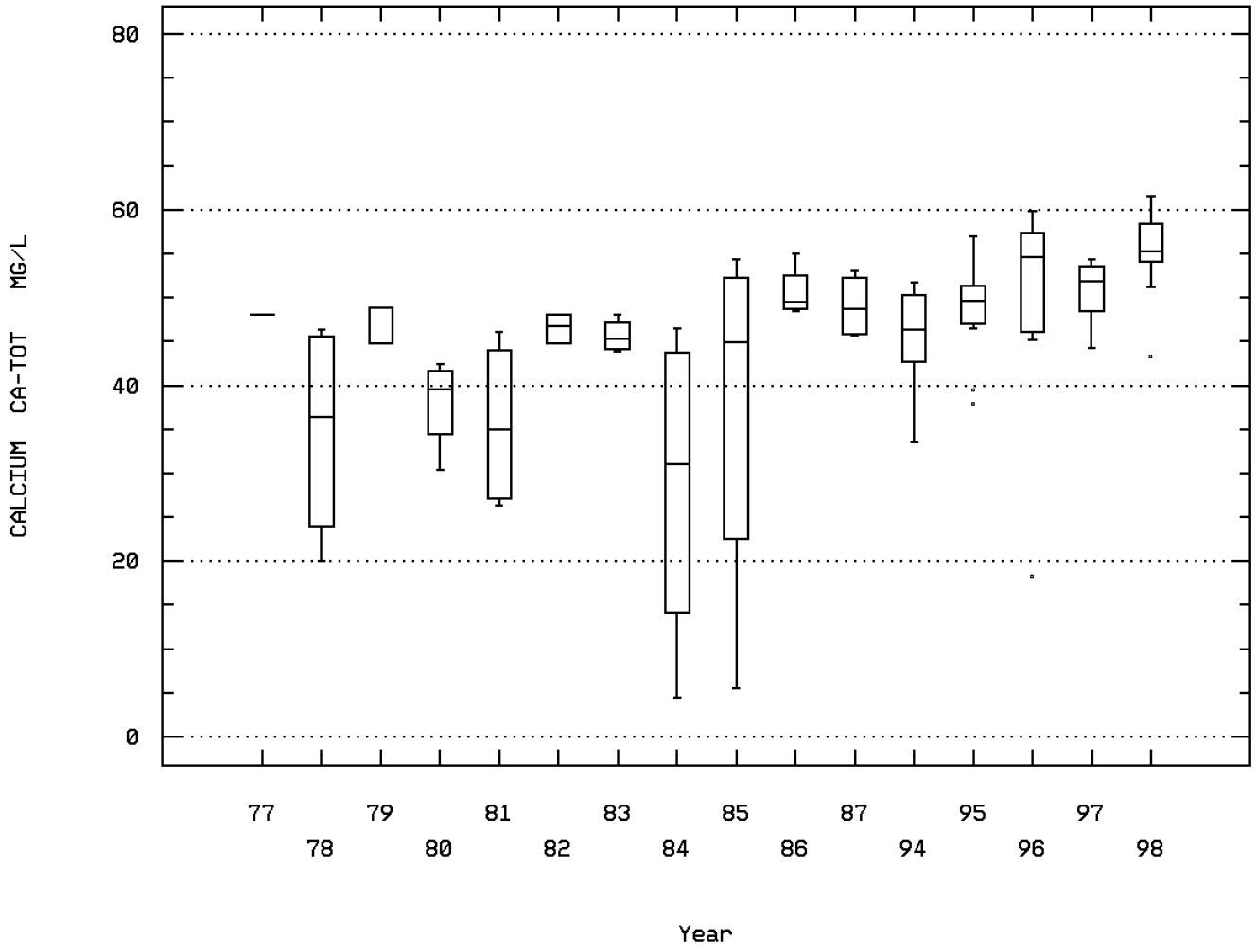
HARDNESS, TOTAL (MG/L AS CACO3)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00916

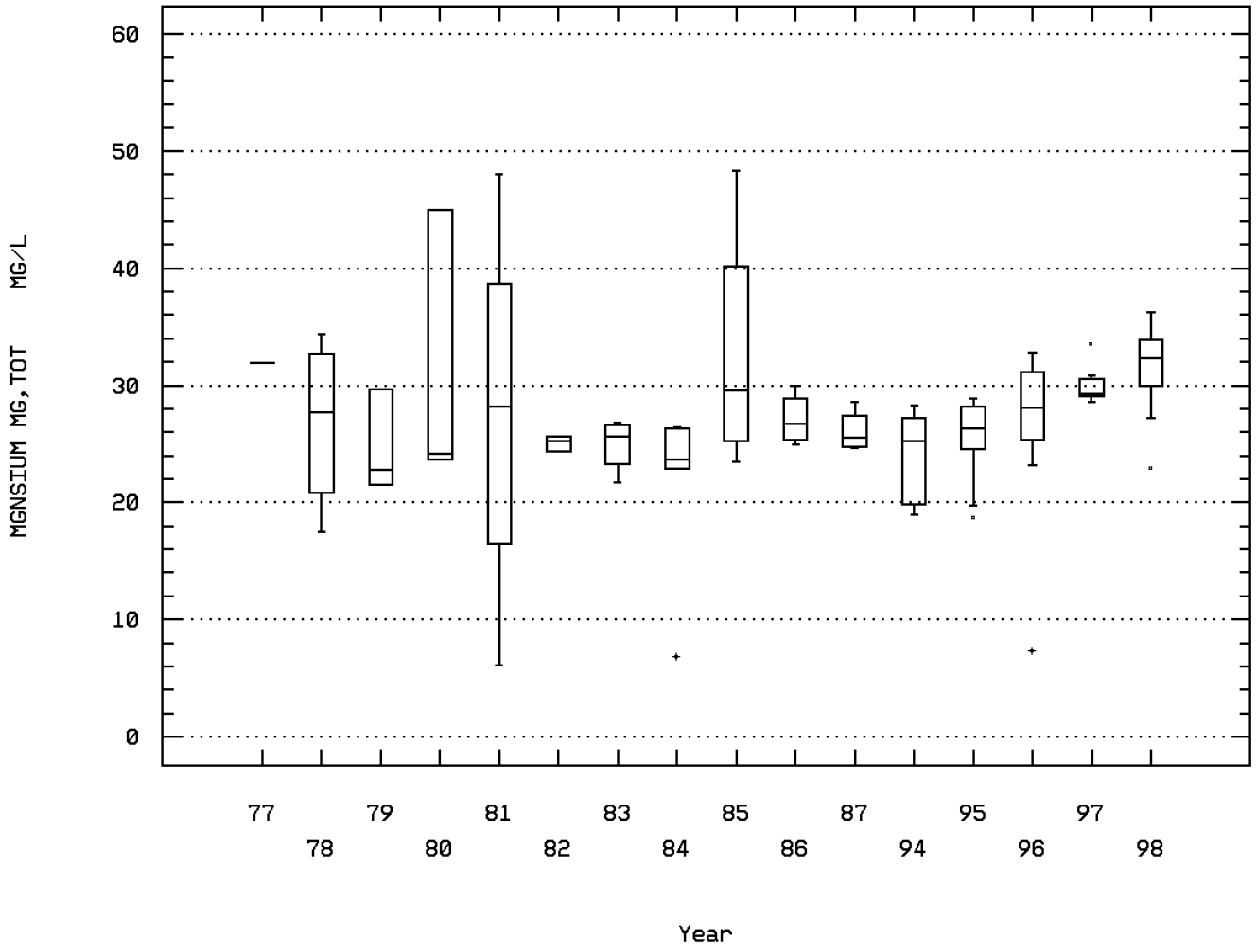
CALCIUM, TOTAL (MG/L AS CA)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00927

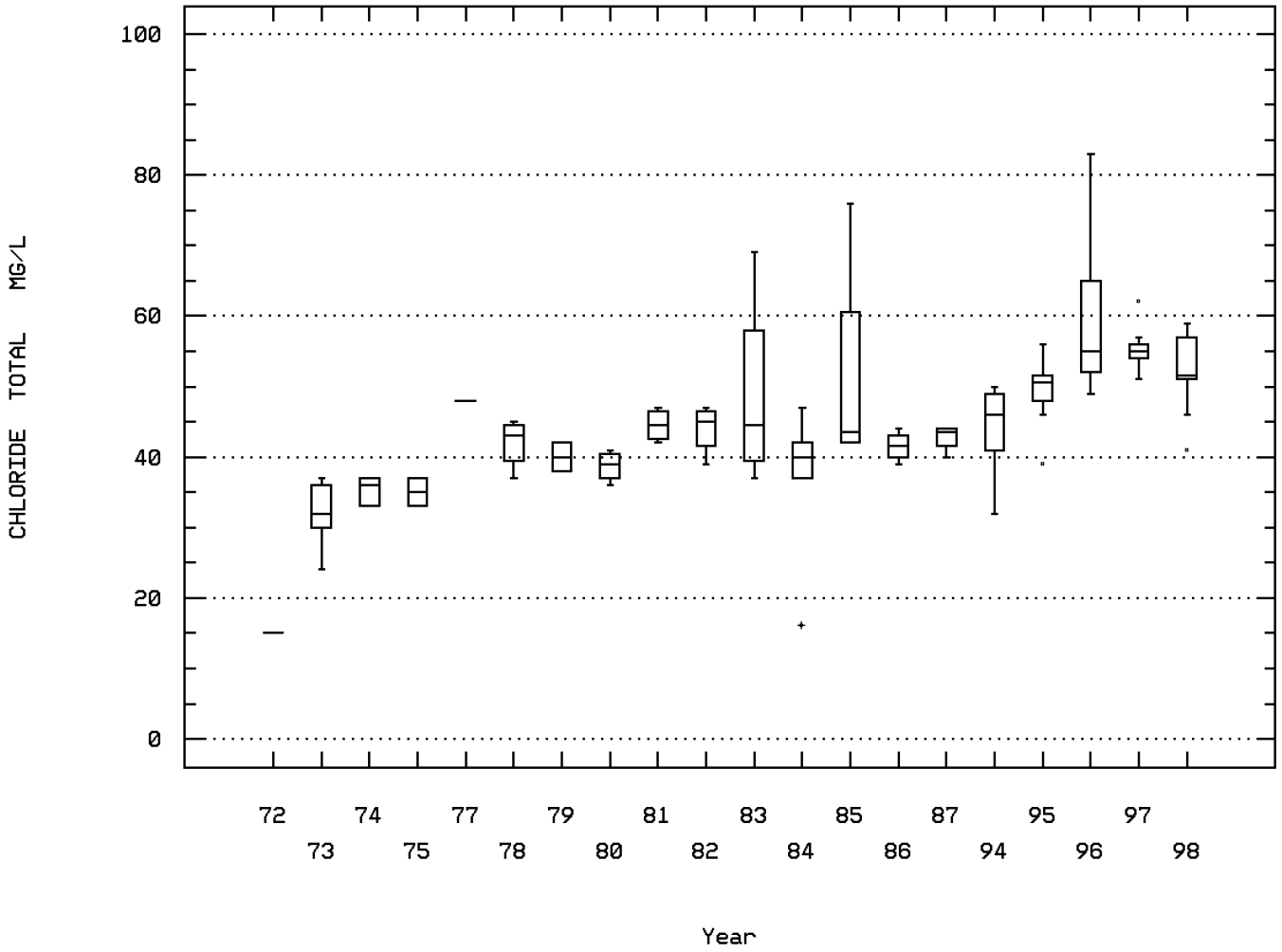
MAGNESIUM, TOTAL (MG/L AS MG)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 00940

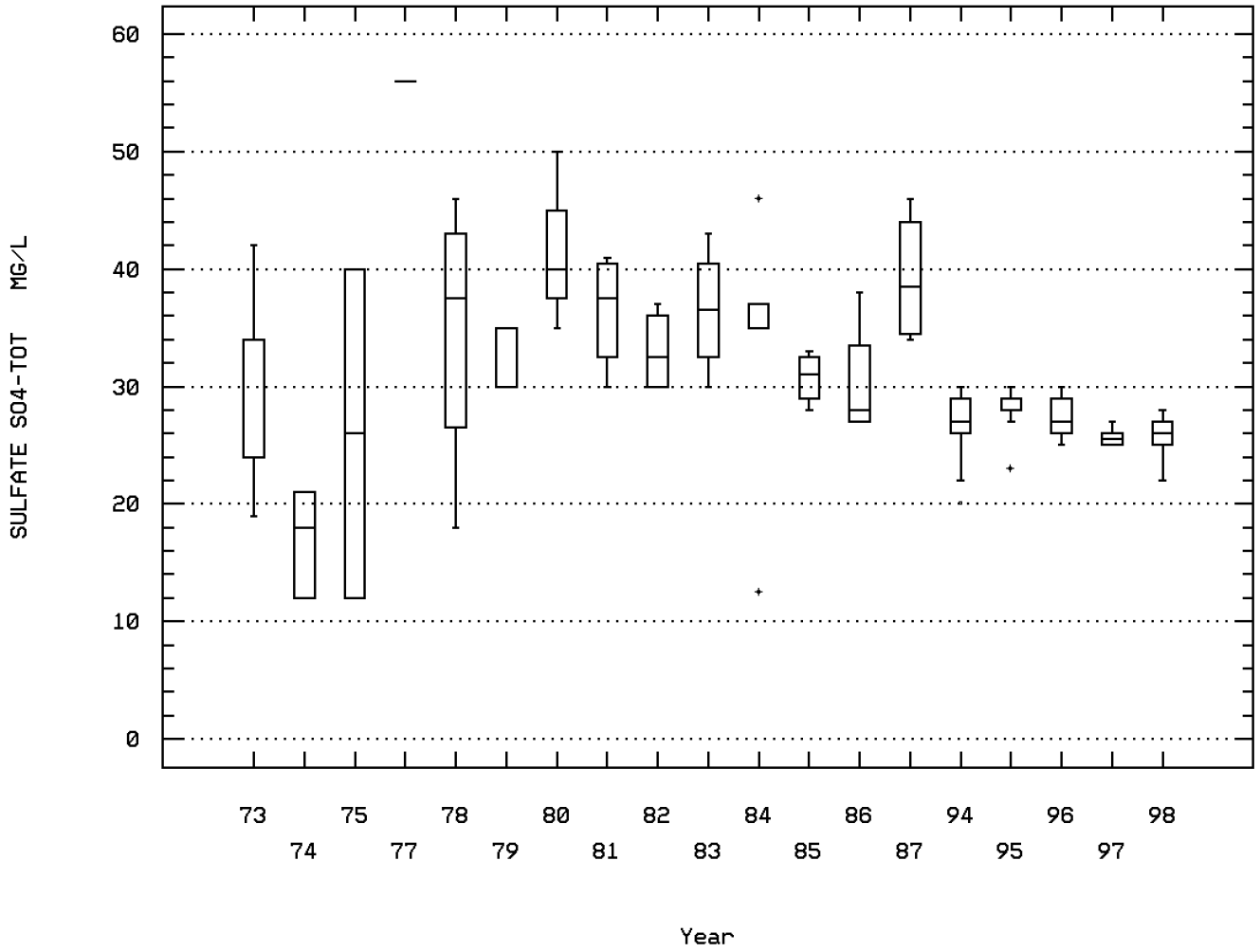
CHLORIDE,TOTAL IN WATER



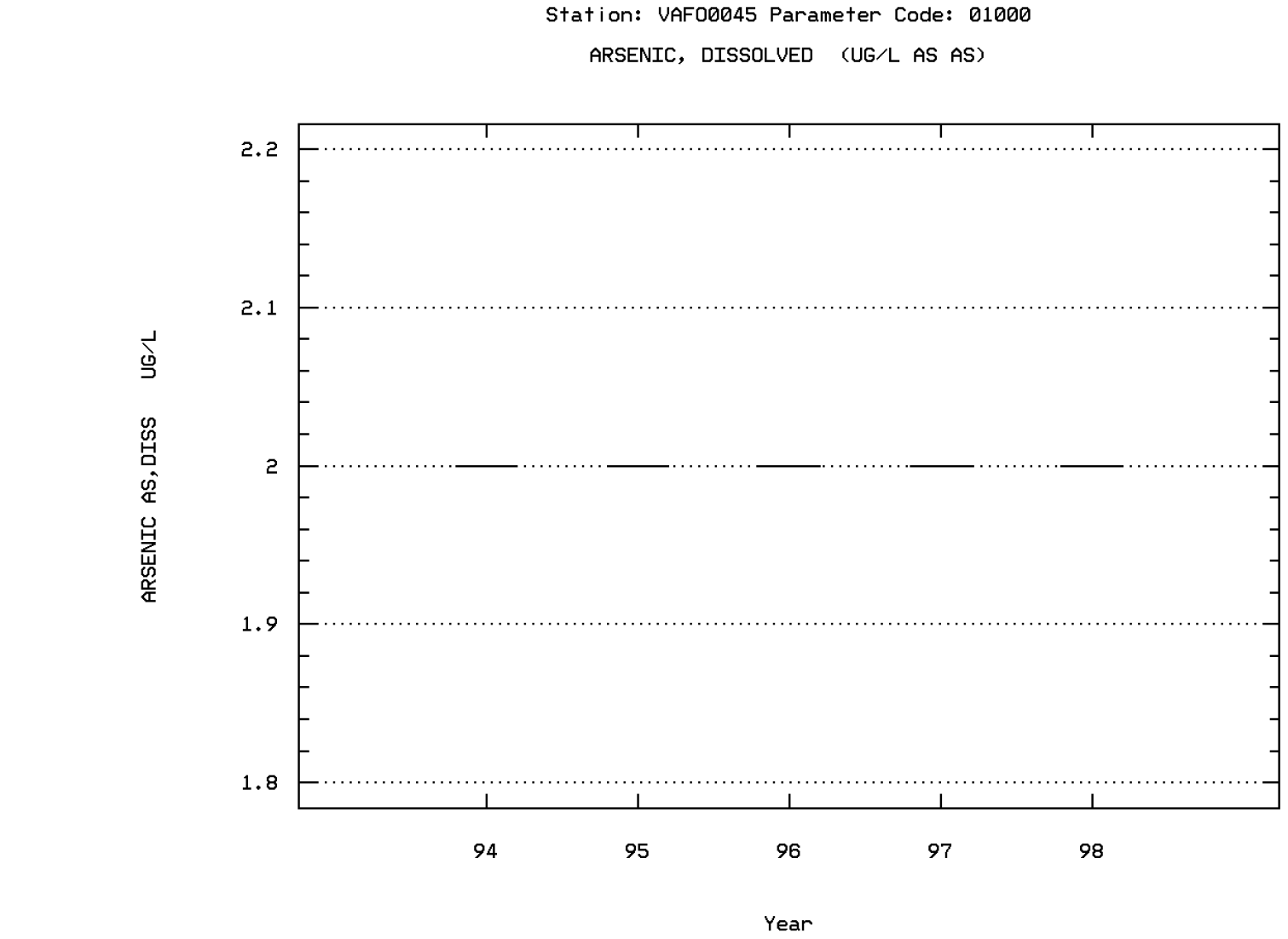
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



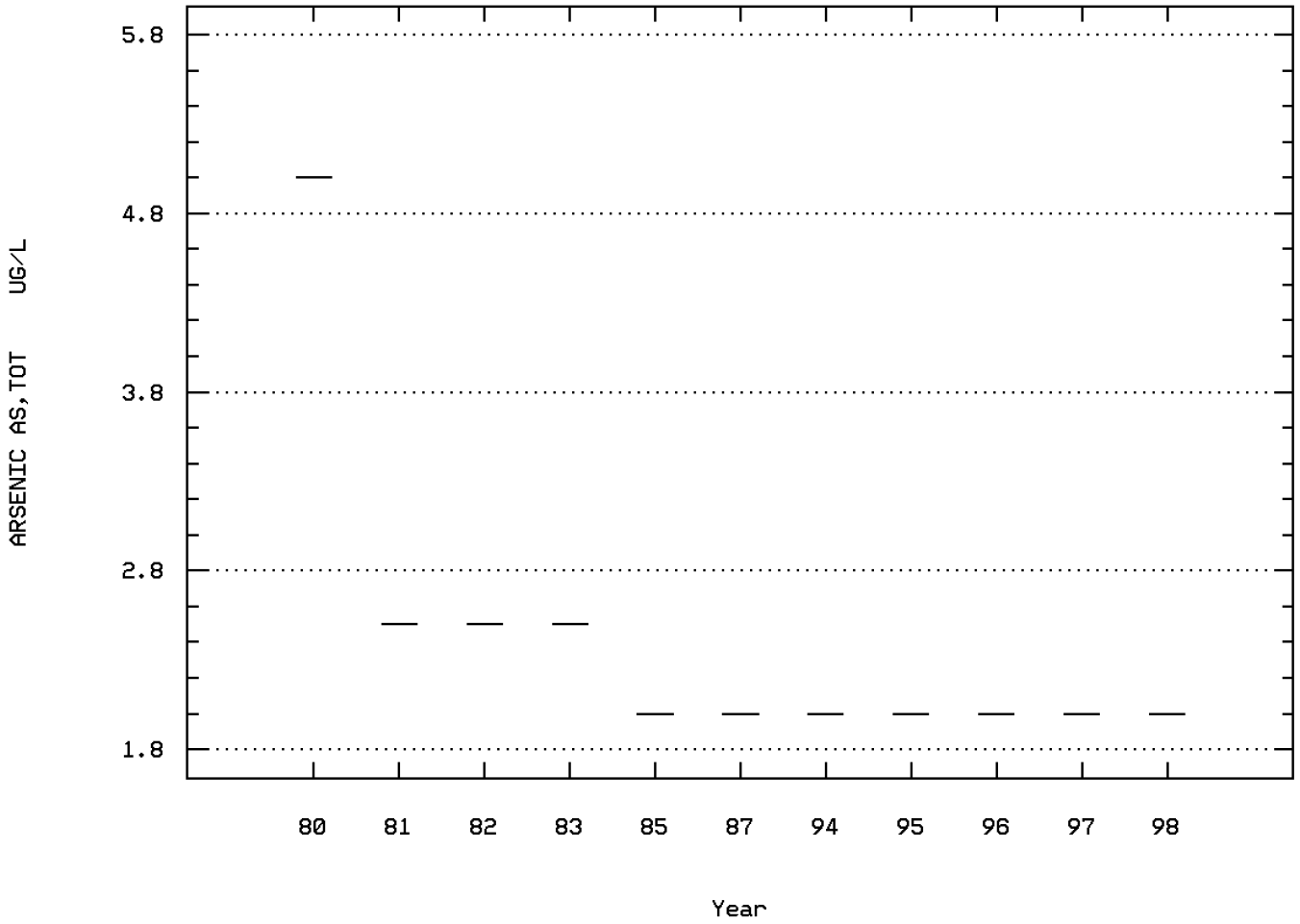
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01002

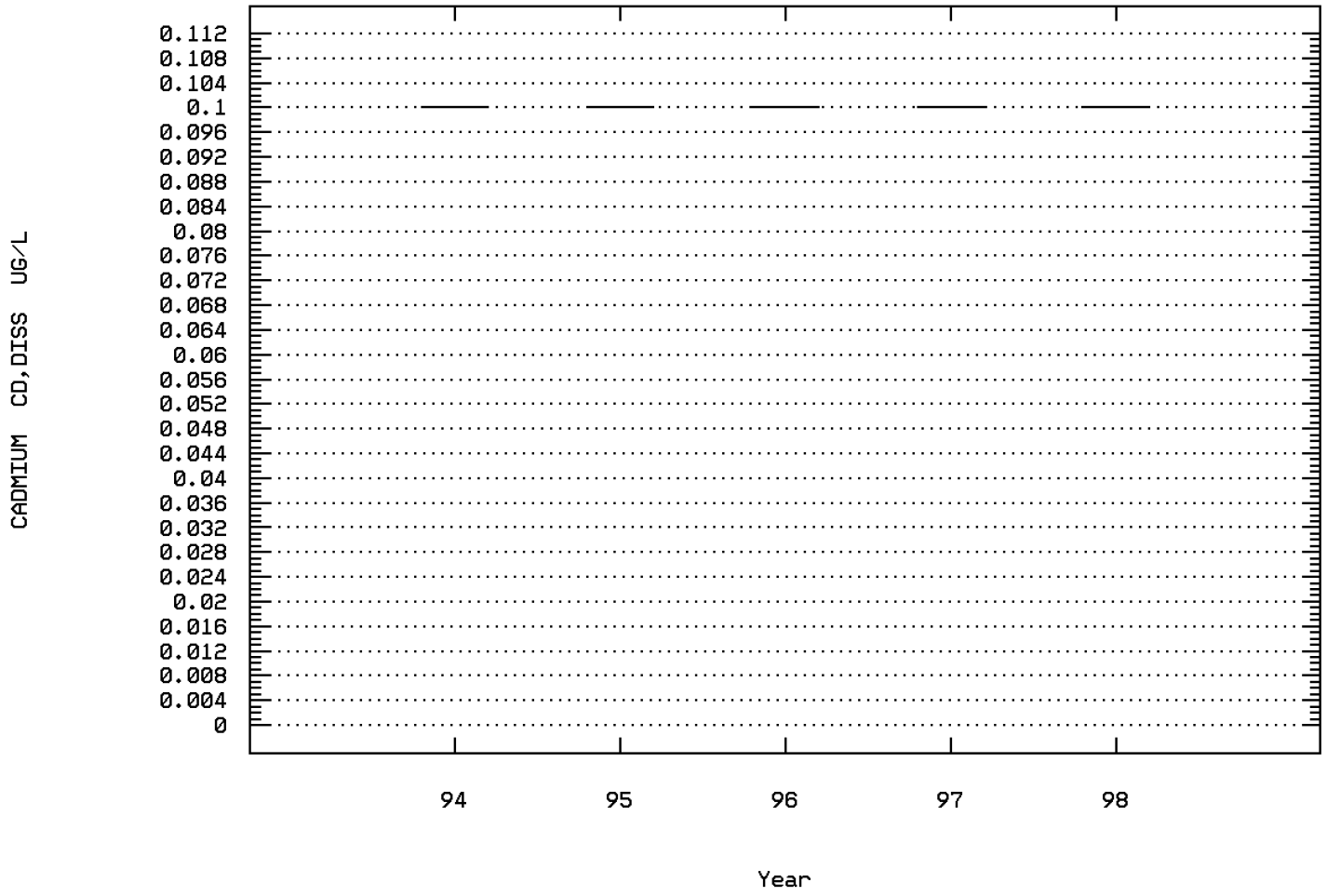
ARSENIC, TOTAL (UG/L AS AS)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01025

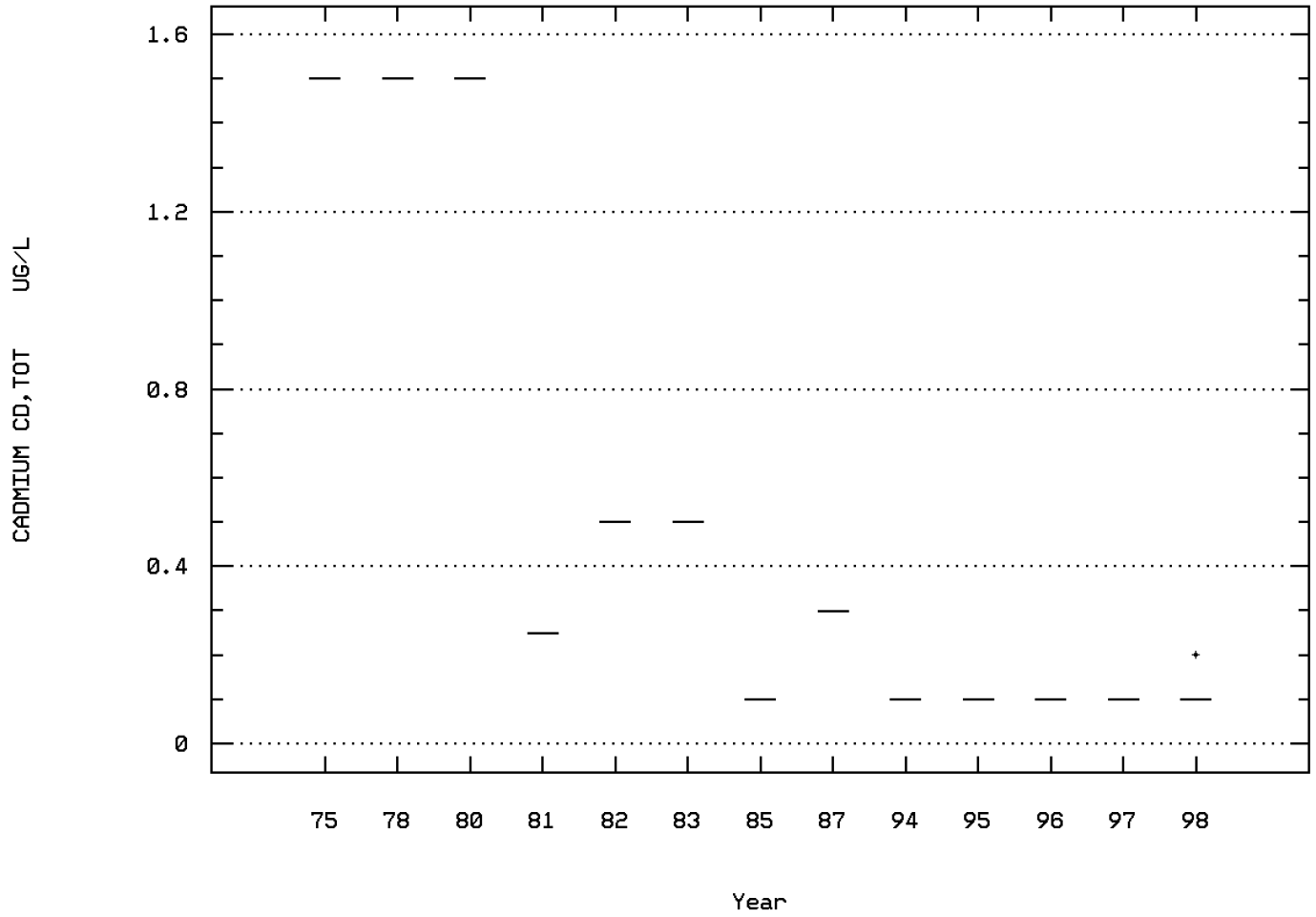
CADMIUM, DISSOLVED (UG/L AS CD)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01027

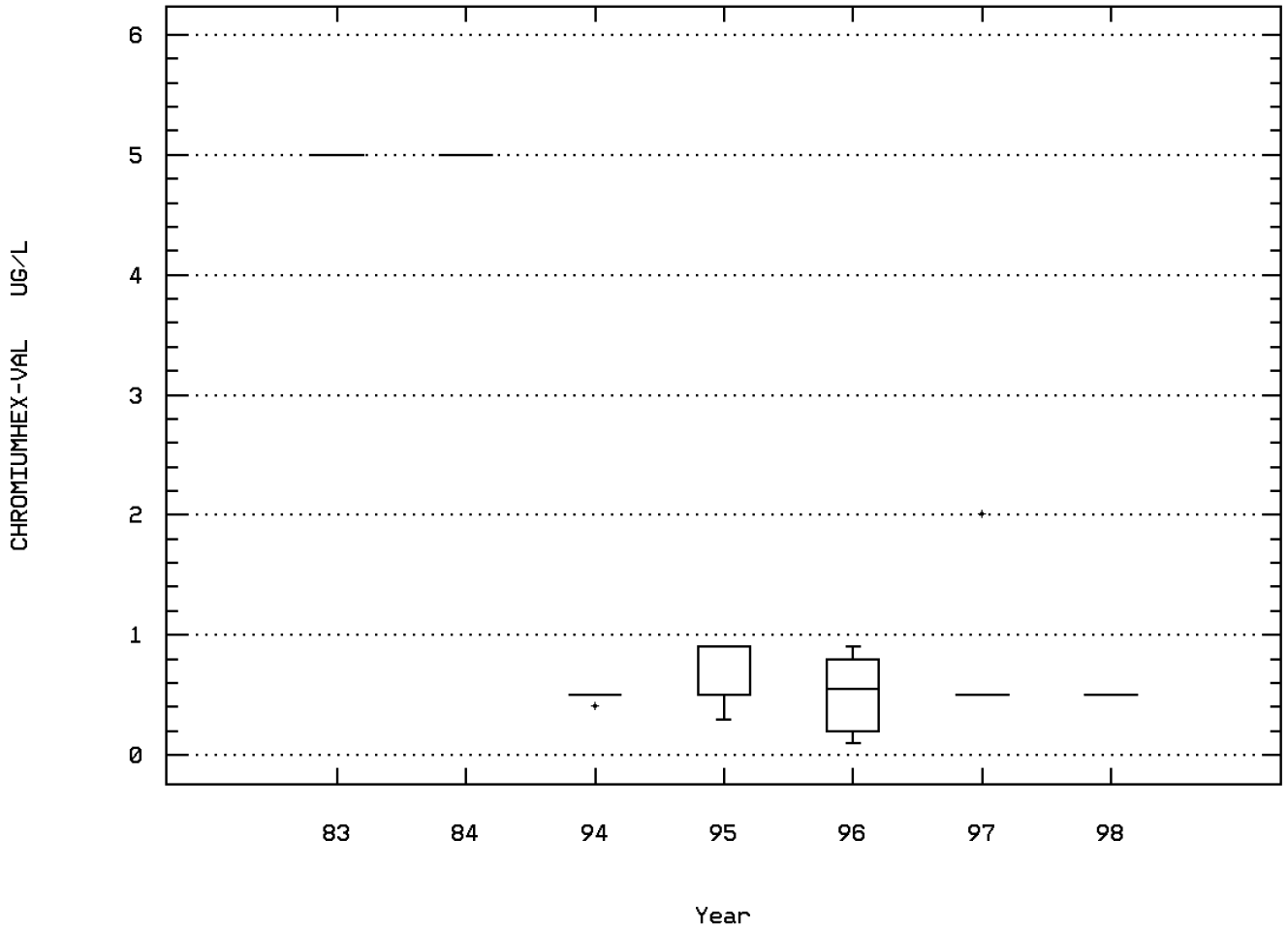
CADMIUM, TOTAL (UG/L AS CD)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01032

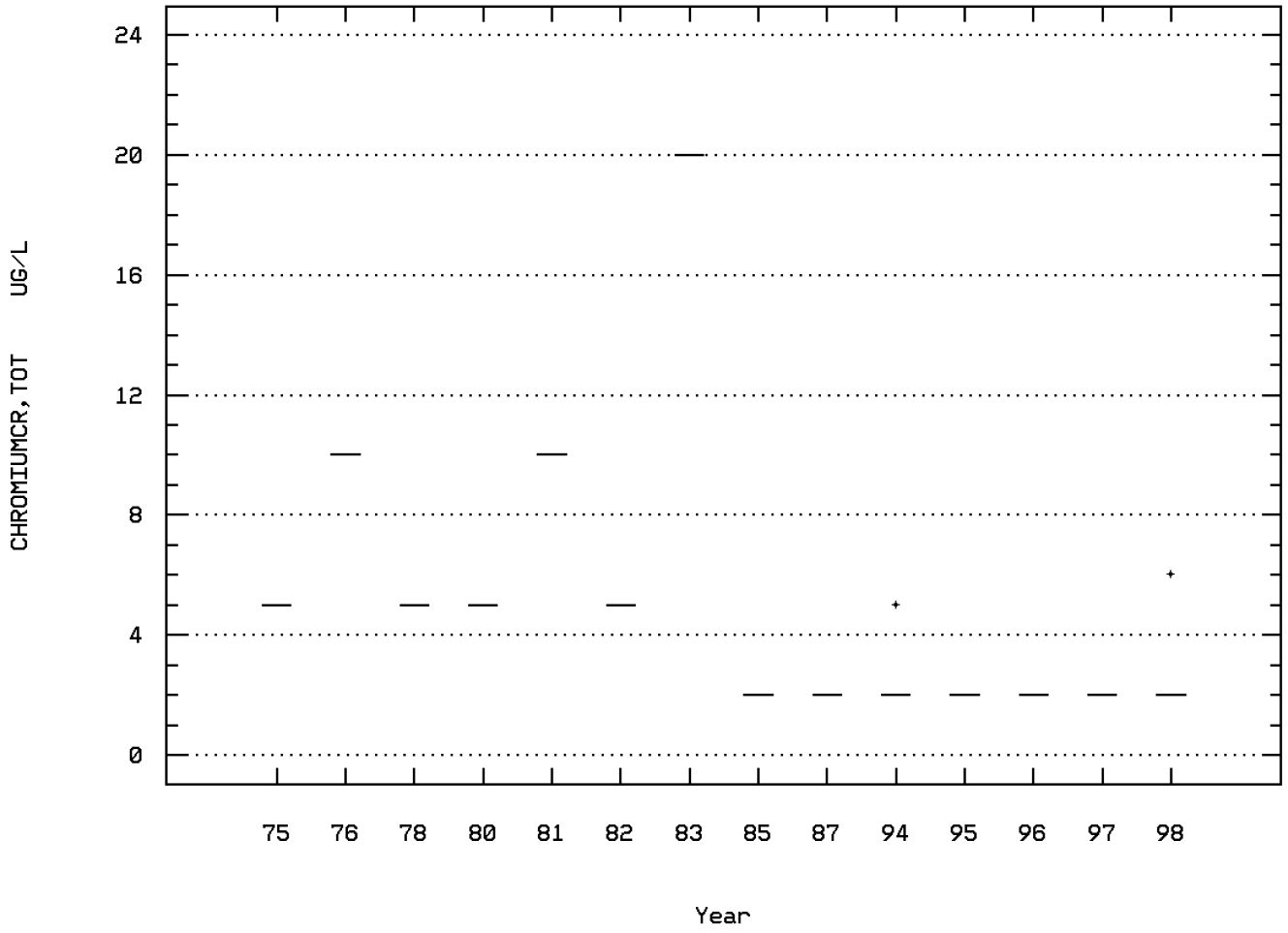
CHROMIUM, HEXAVALENT (UG/L AS CR)



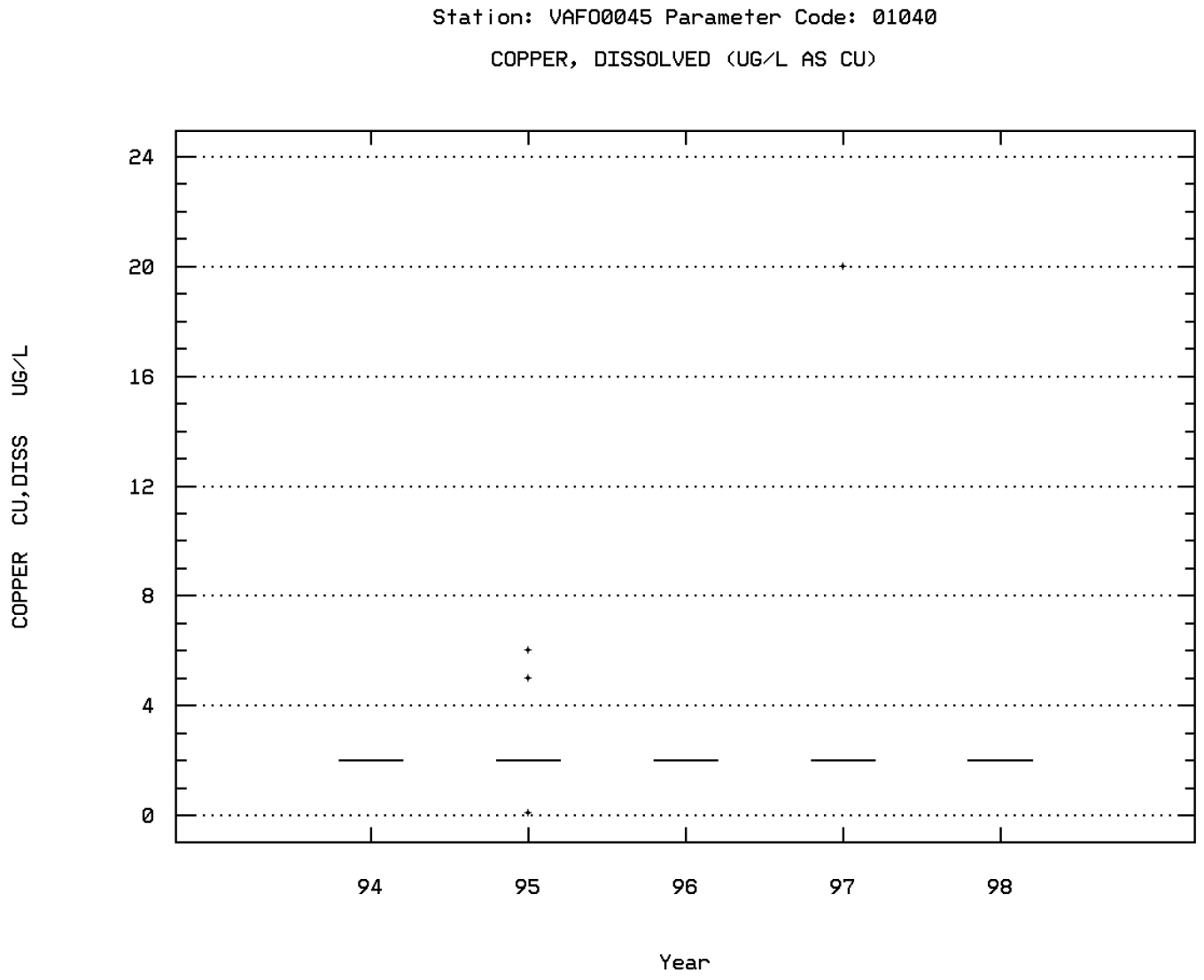
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01034

CHROMIUM, TOTAL (UG/L AS CR)



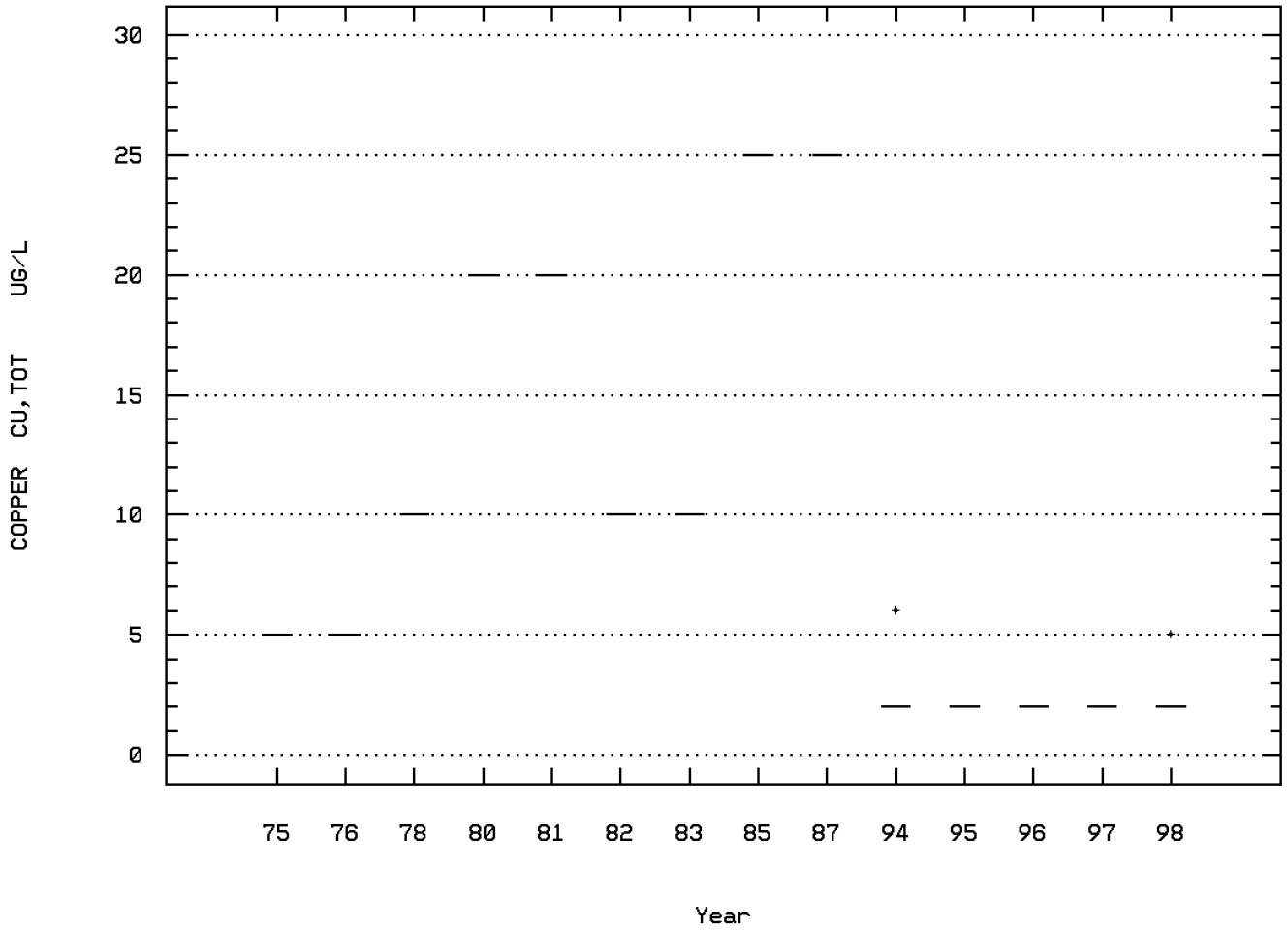
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



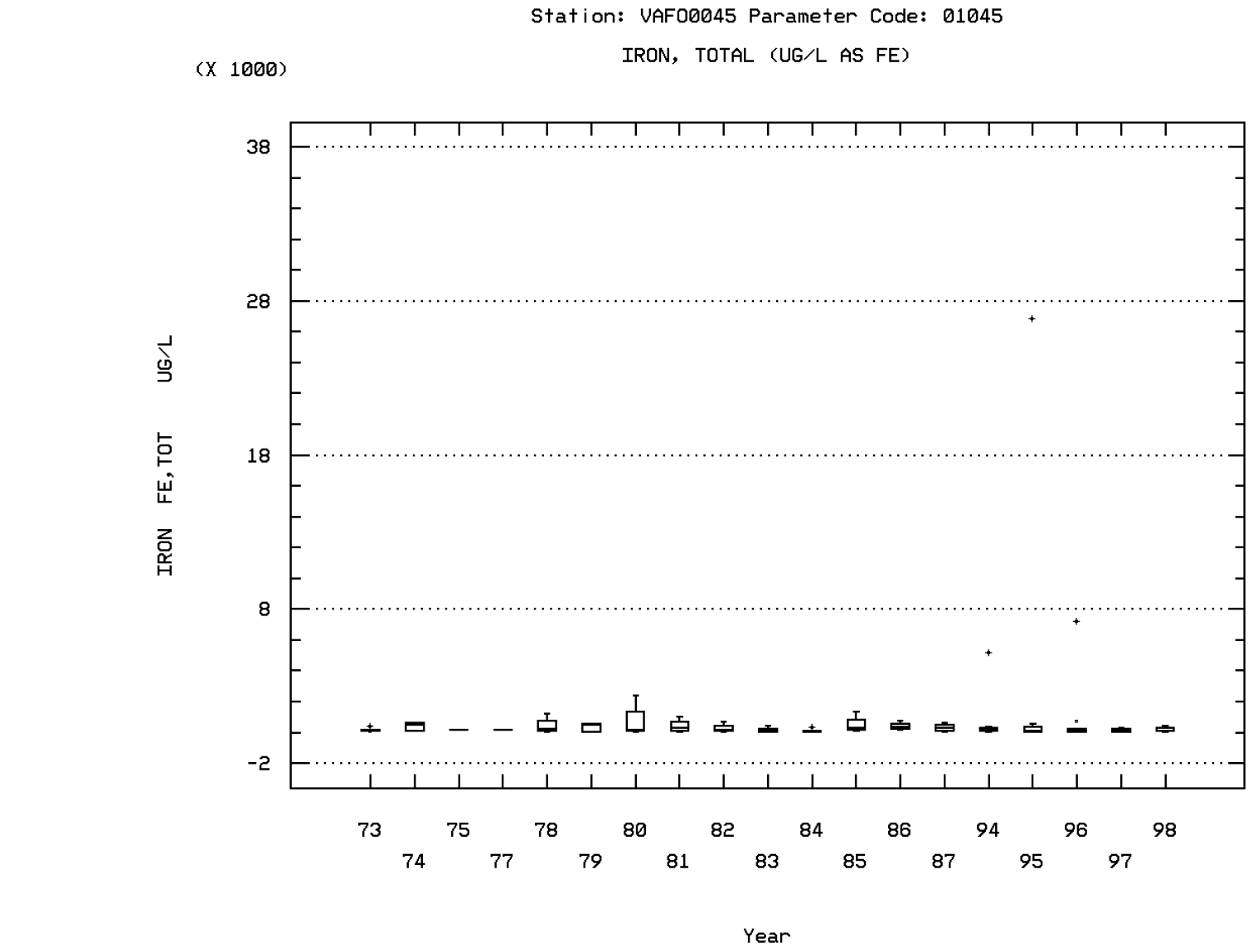
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 01042

COPPER, TOTAL (UG/L AS CU)



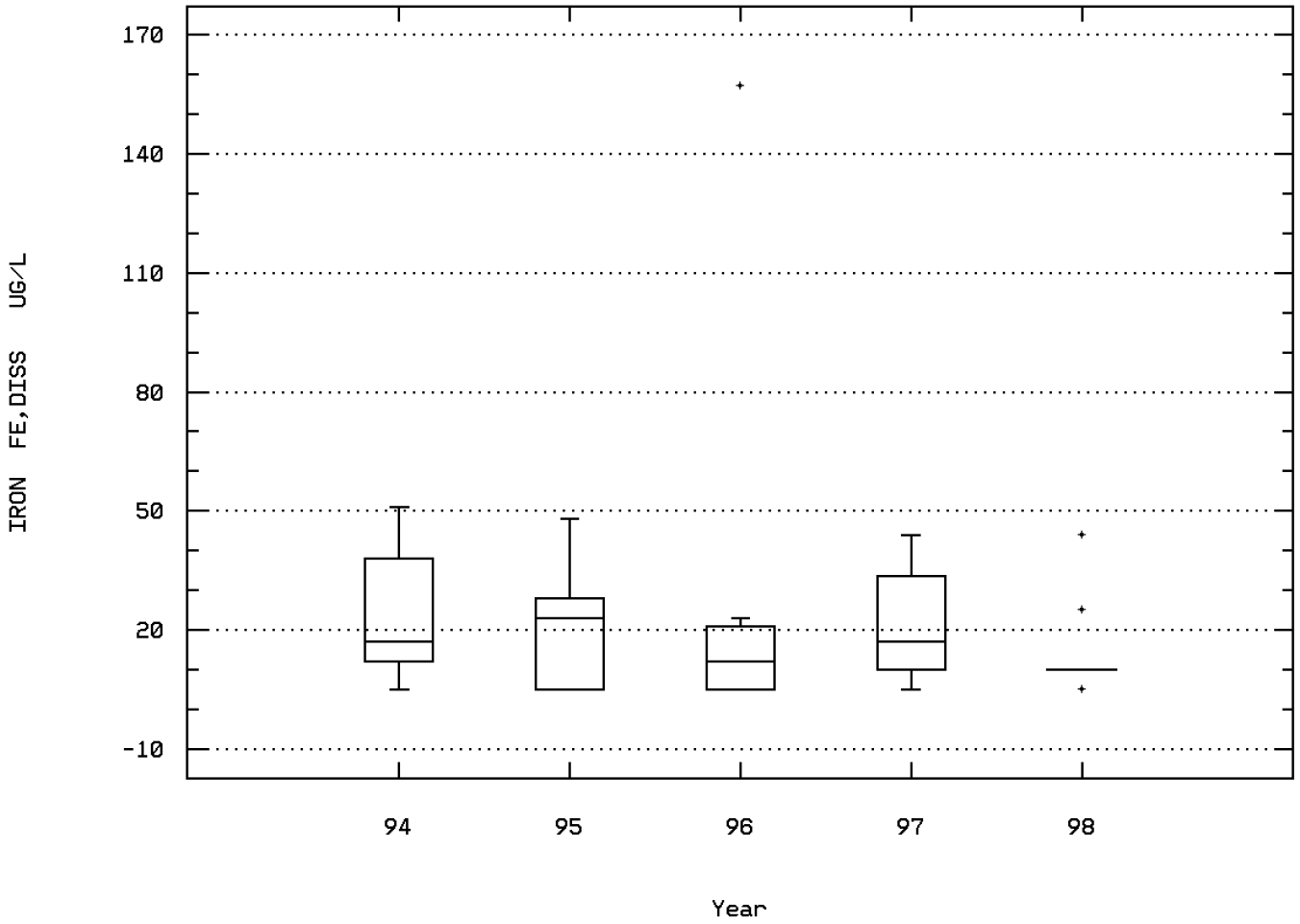
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



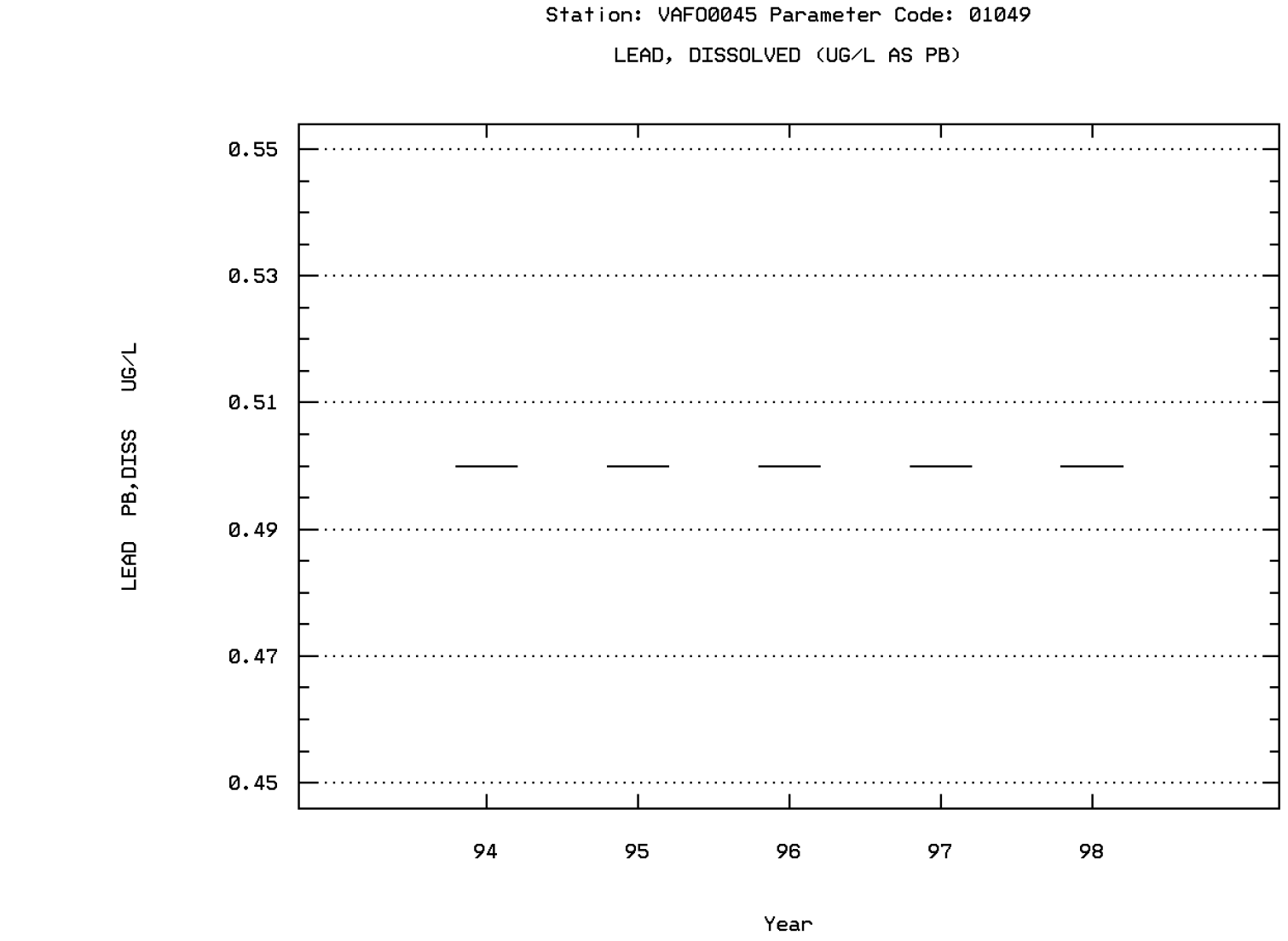
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01046

IRON, DISSOLVED (UG/L AS FE)



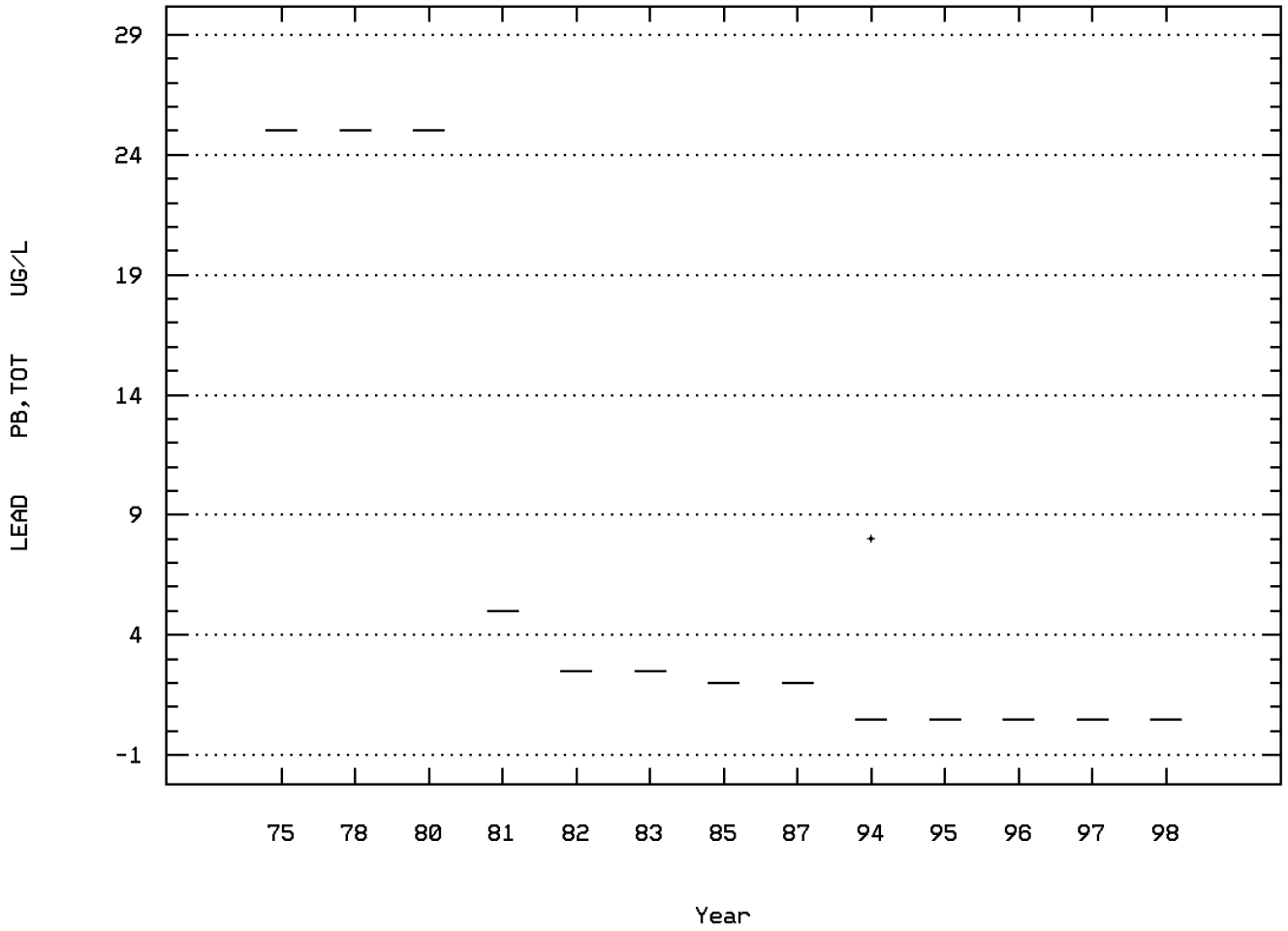
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 01051

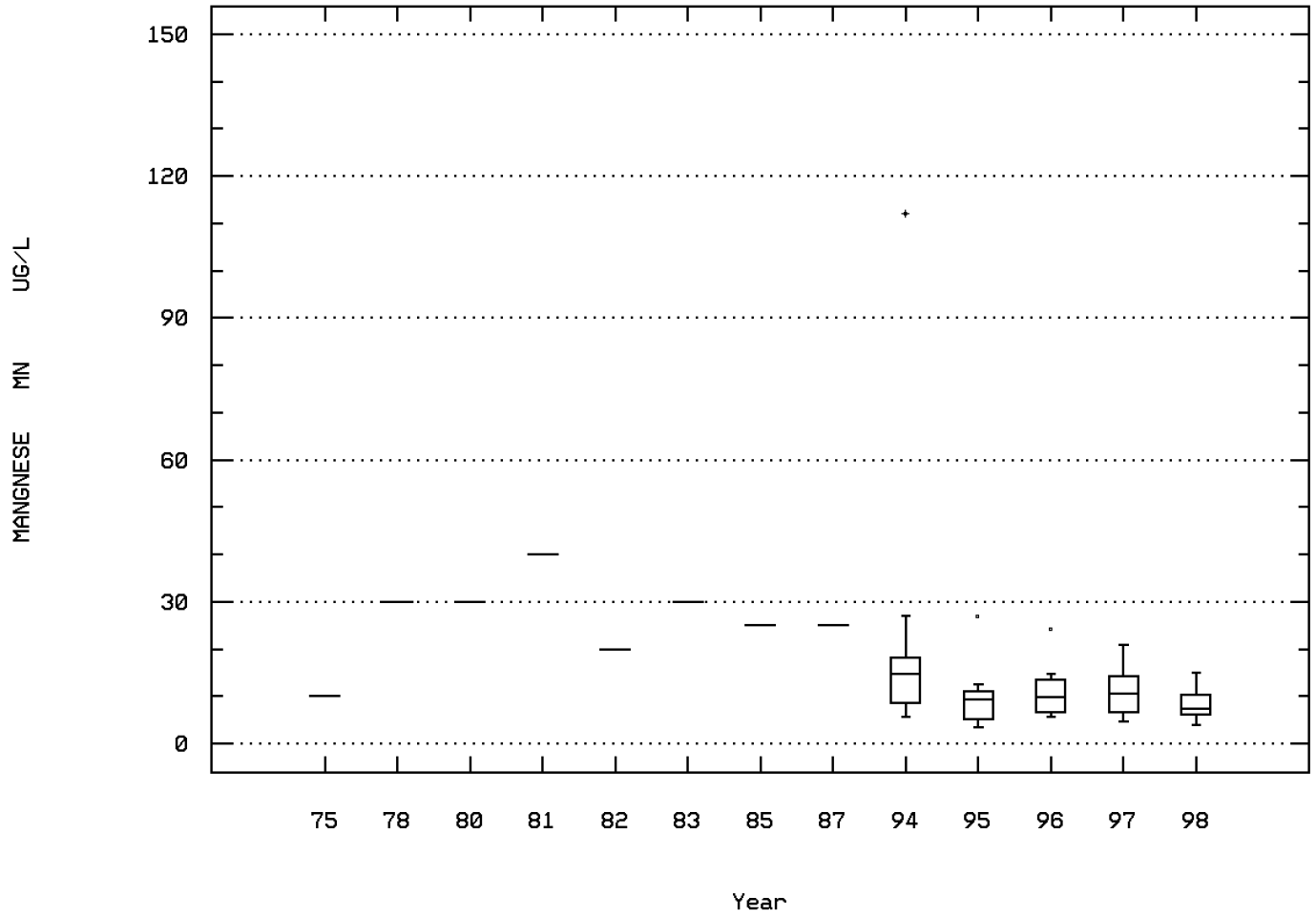
LEAD, TOTAL (UG/L AS PB)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01055

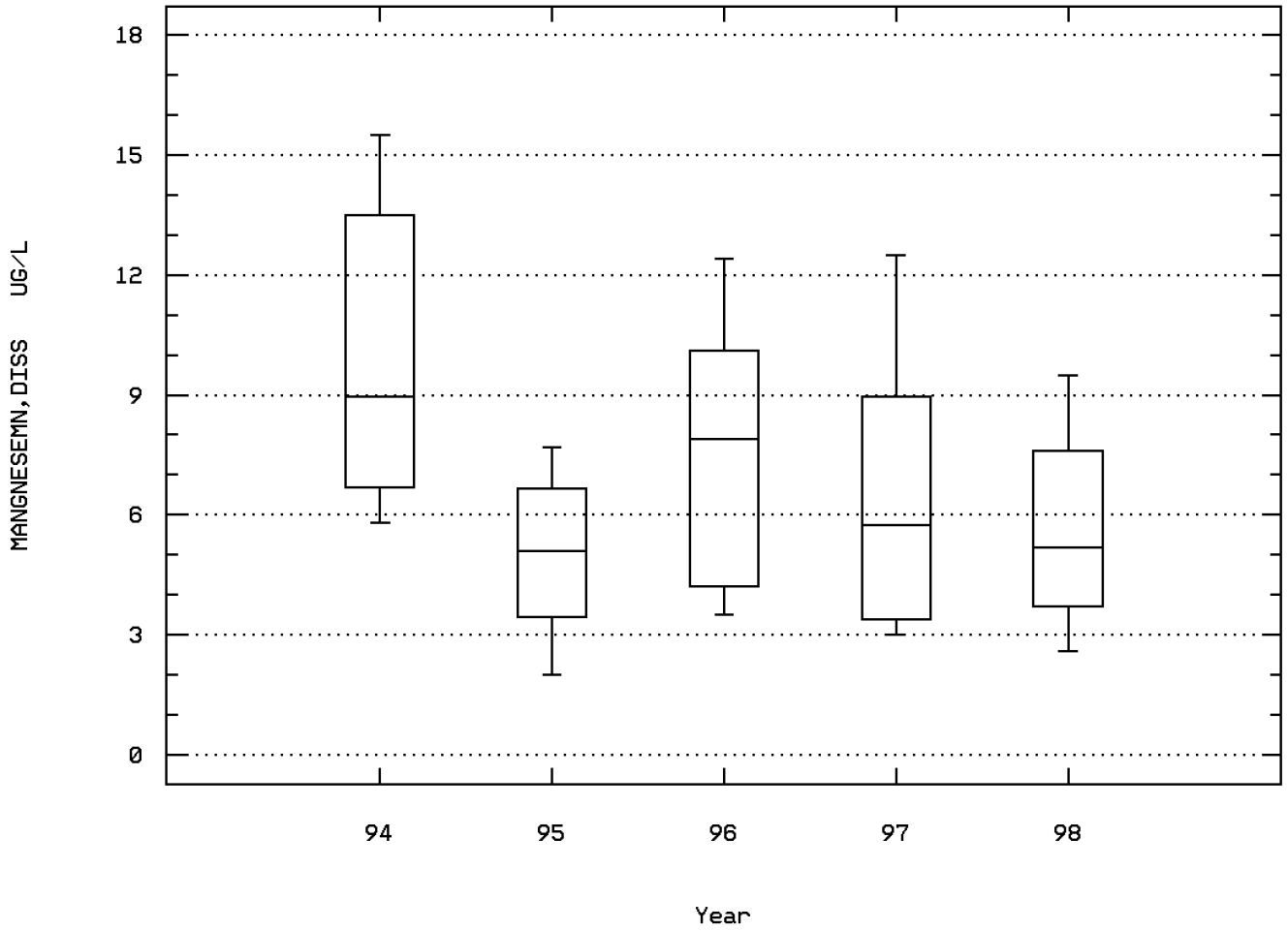
MANGANESE, TOTAL (UG/L AS MN)



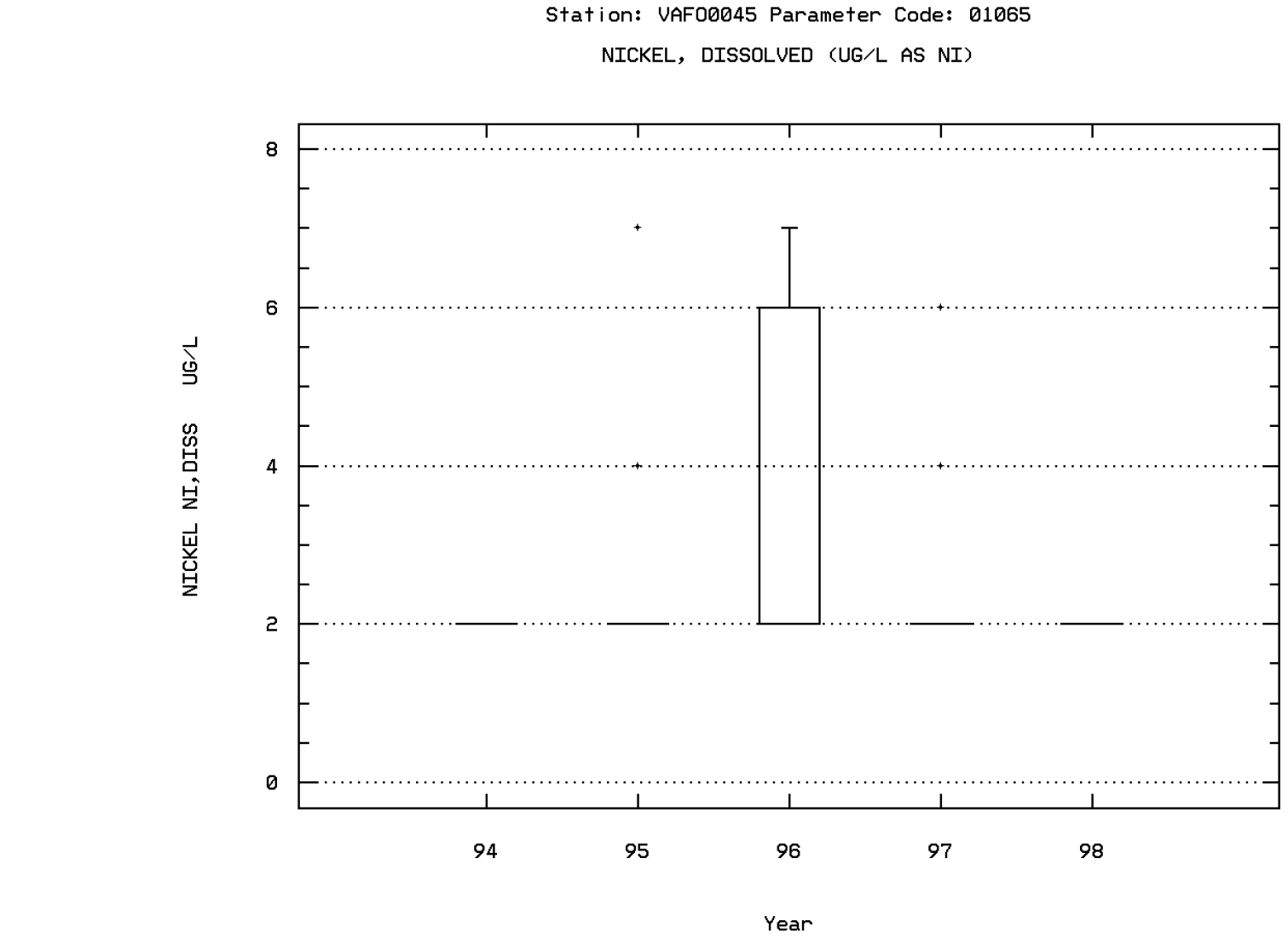
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01056

MANGANESE, DISSOLVED (UG/L AS MN)



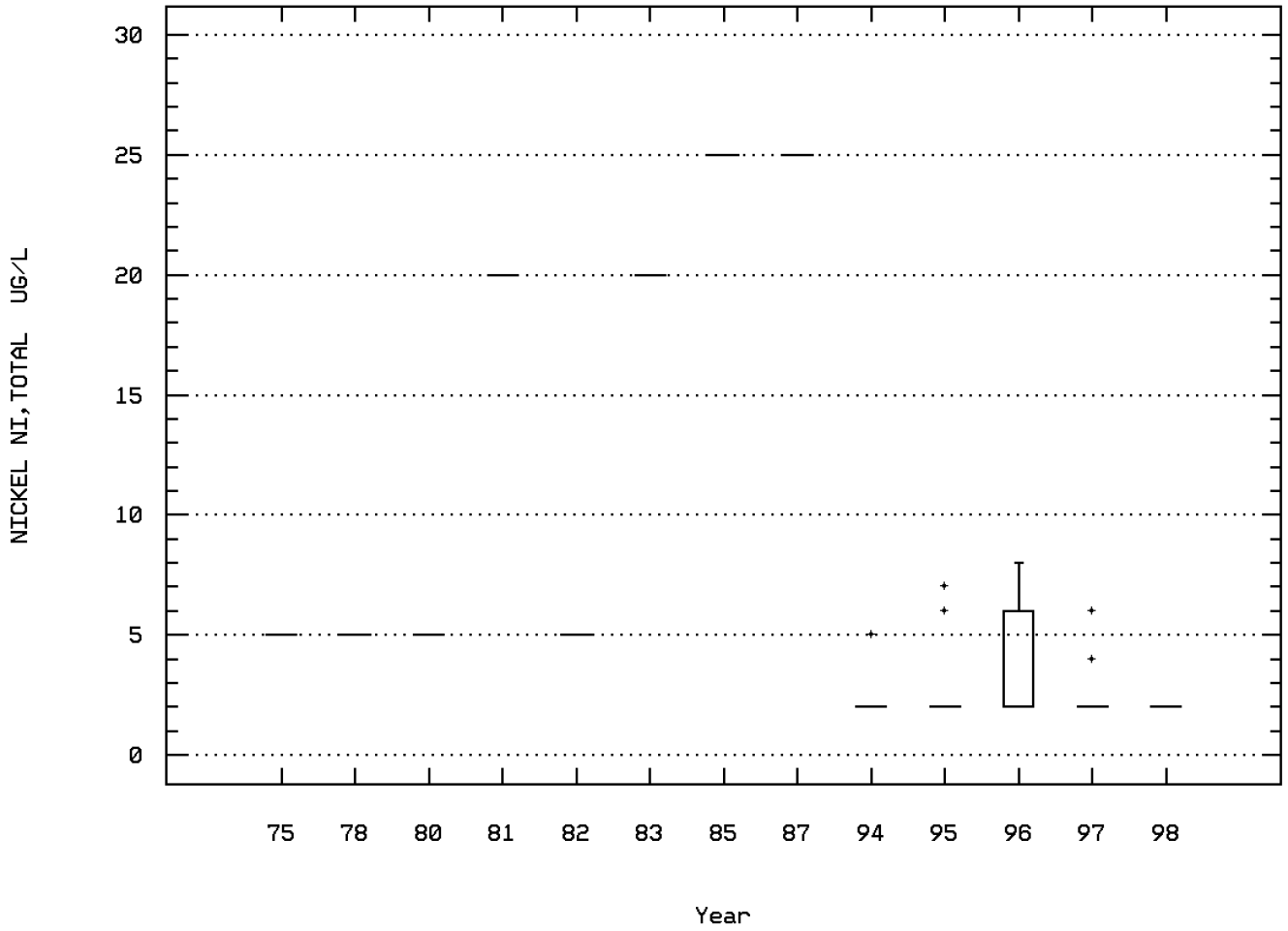
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



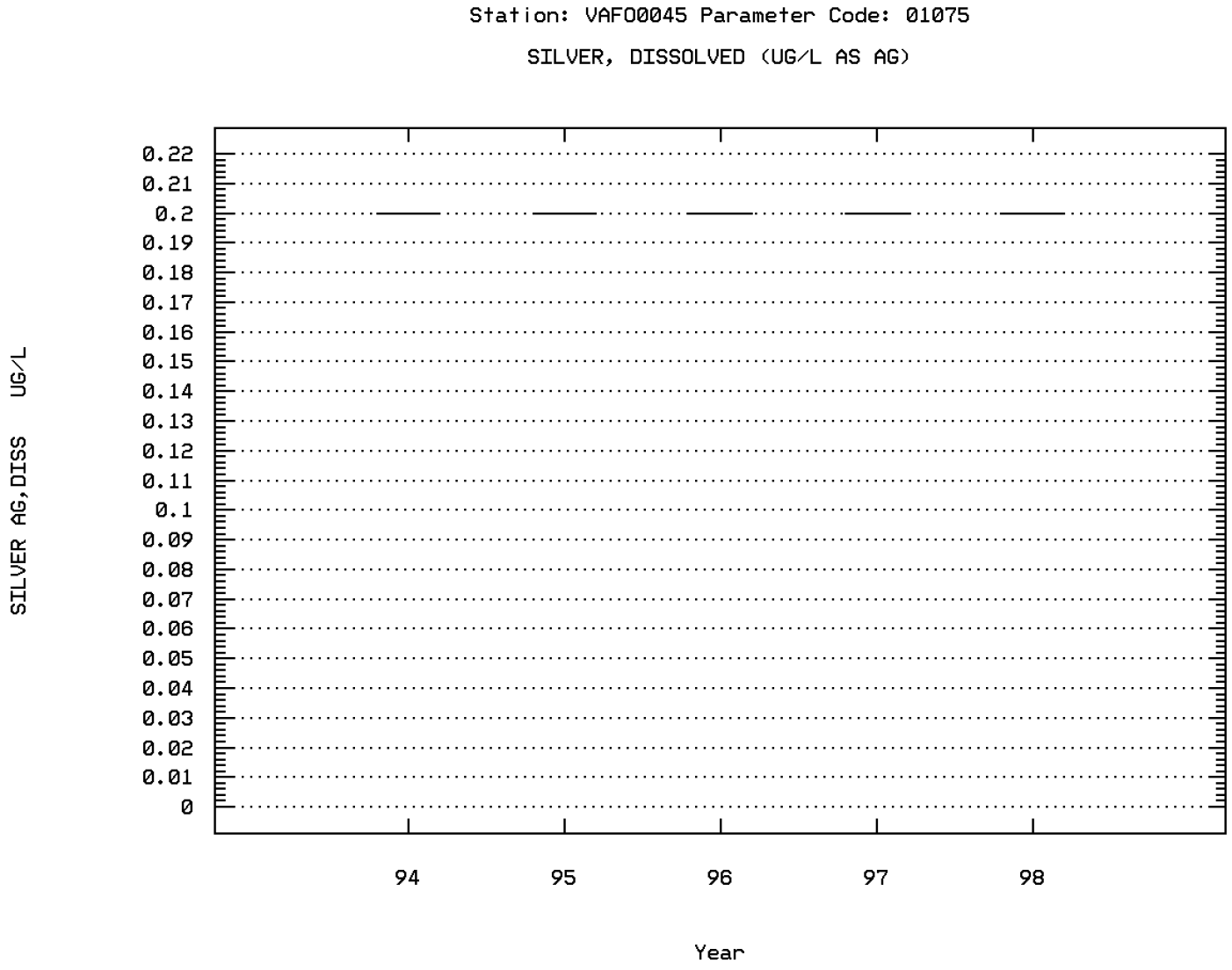
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01067

NICKEL, TOTAL (UG/L AS NI)



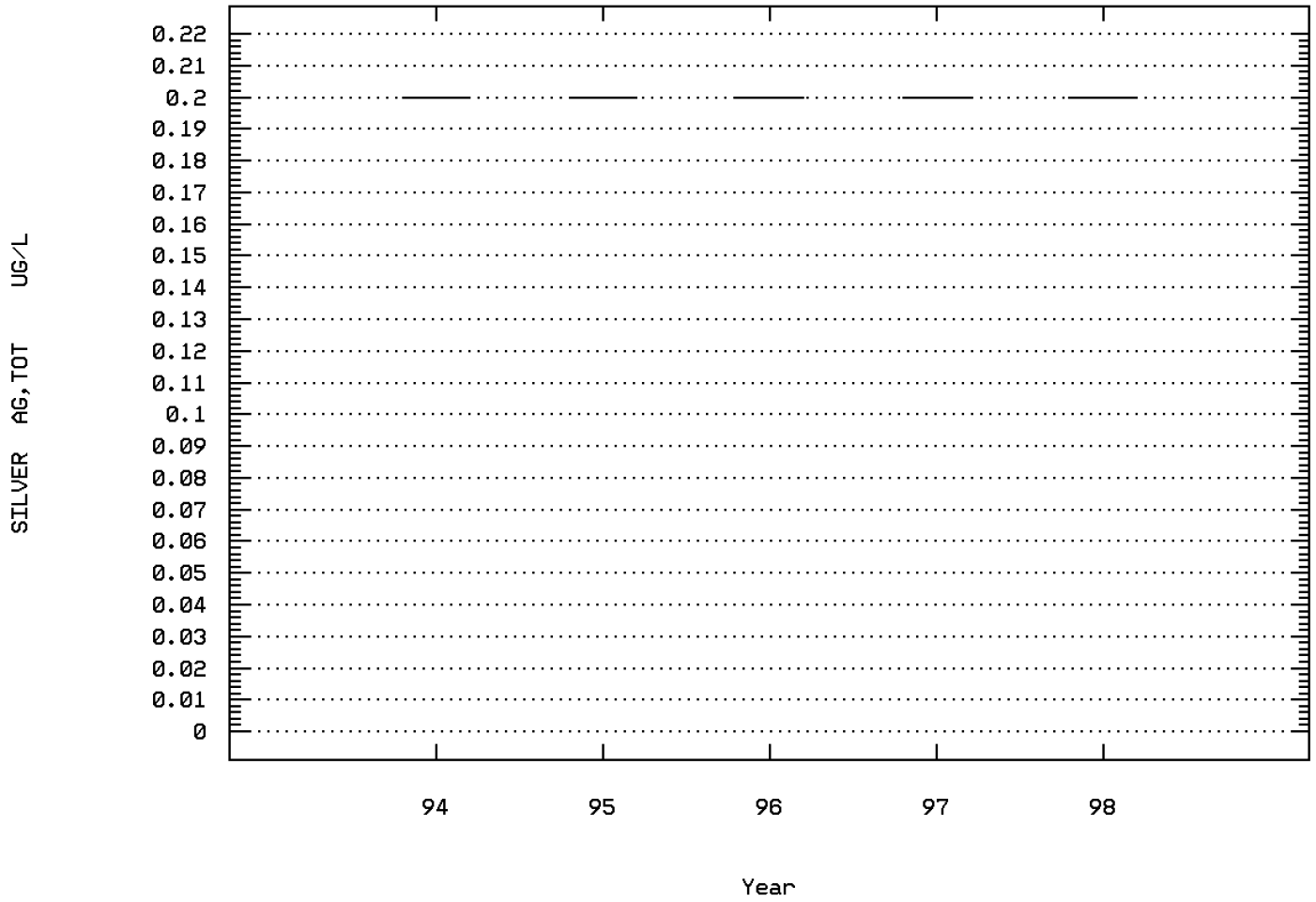
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 01077

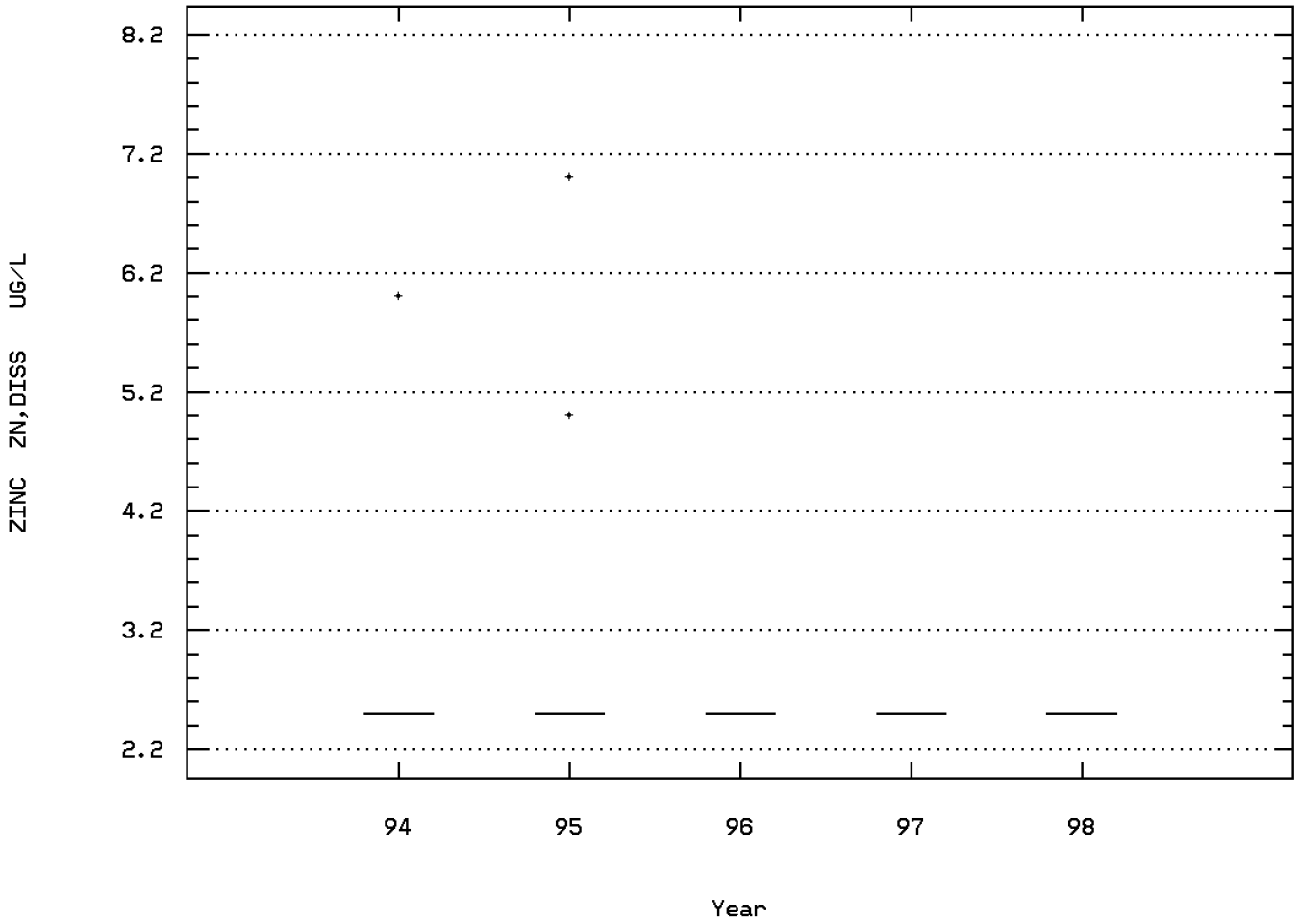
SILVER, TOTAL (UG/L AS AG)



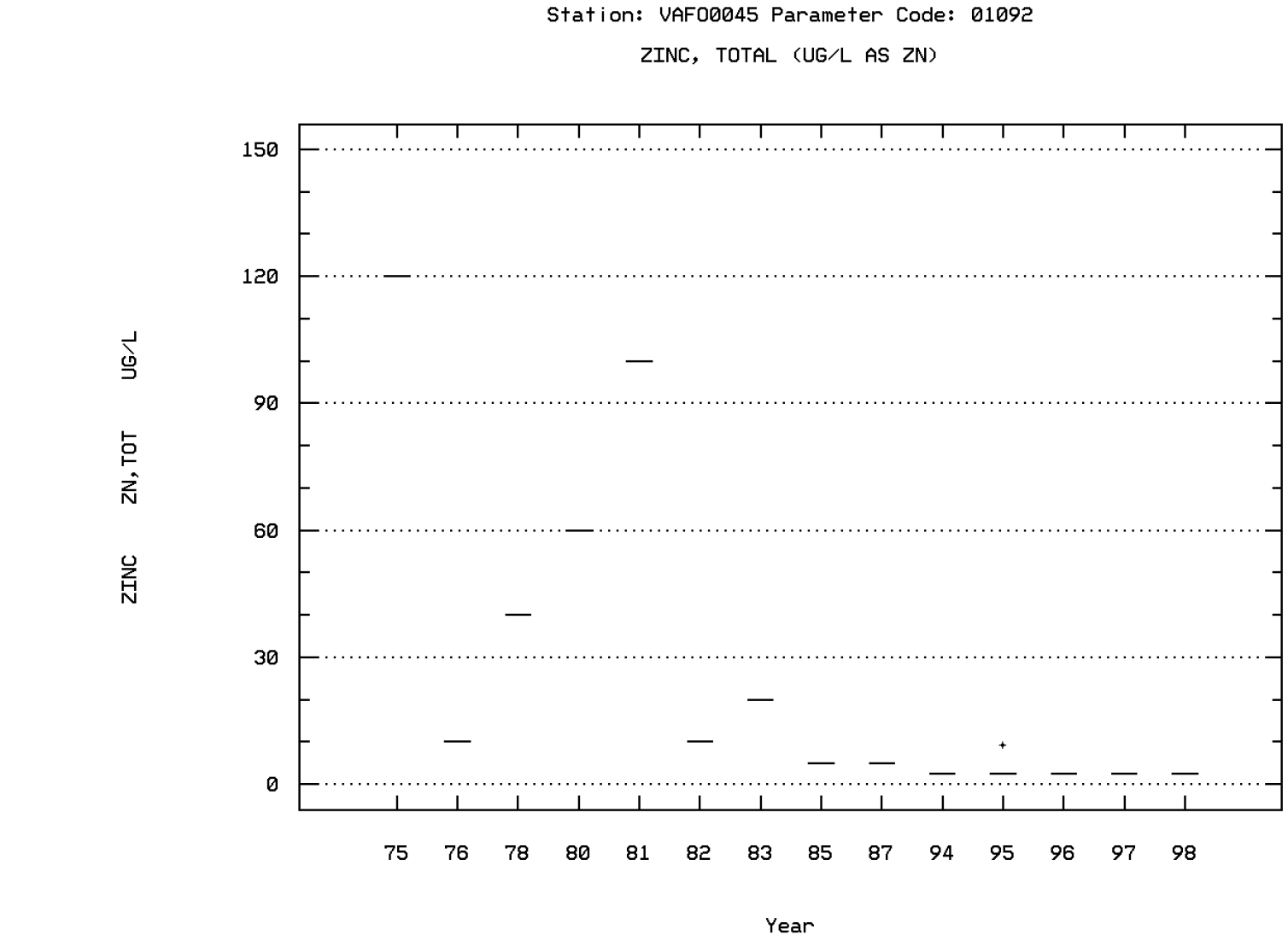
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01090

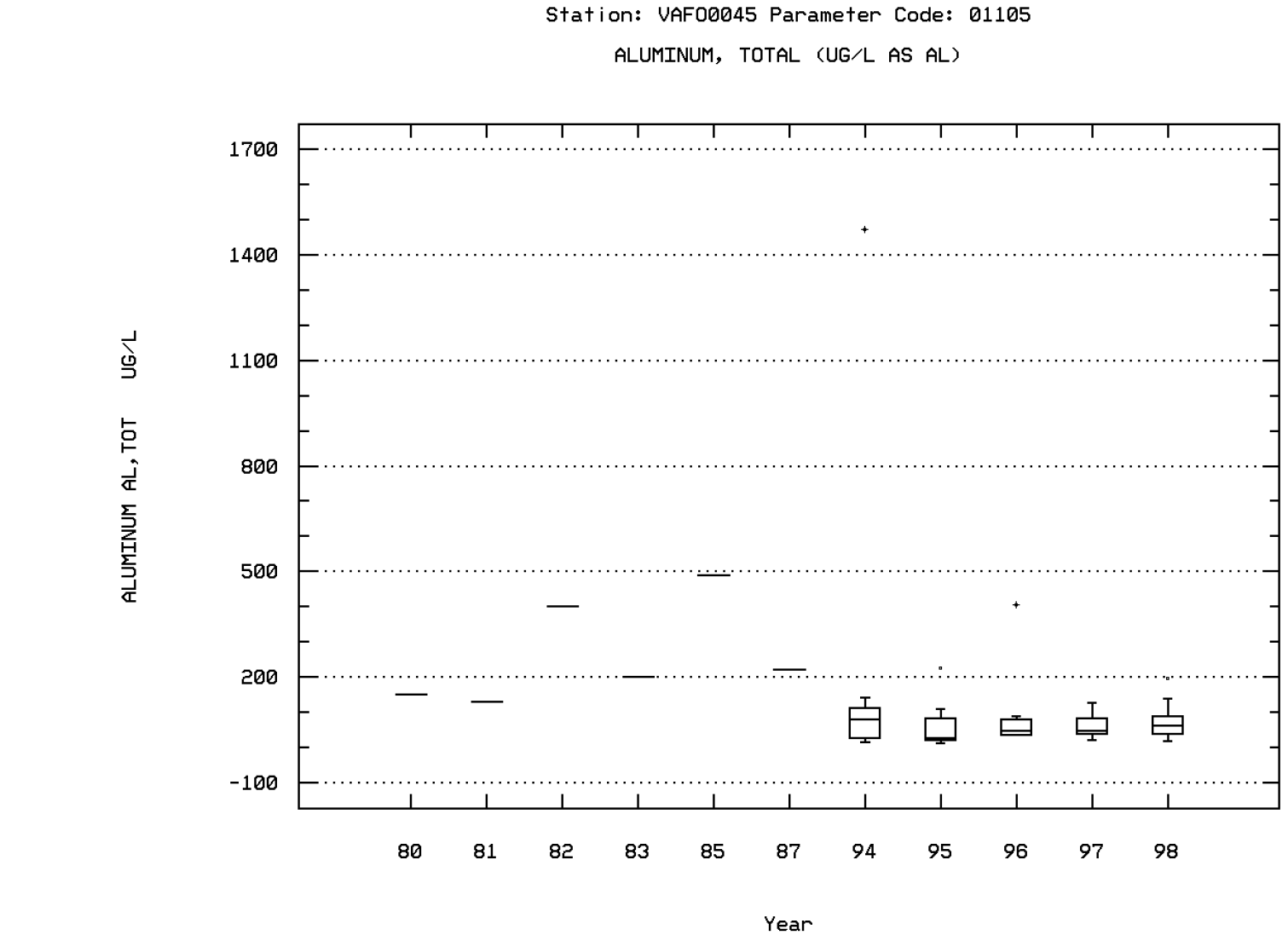
ZINC, DISSOLVED (UG/L AS ZN)



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



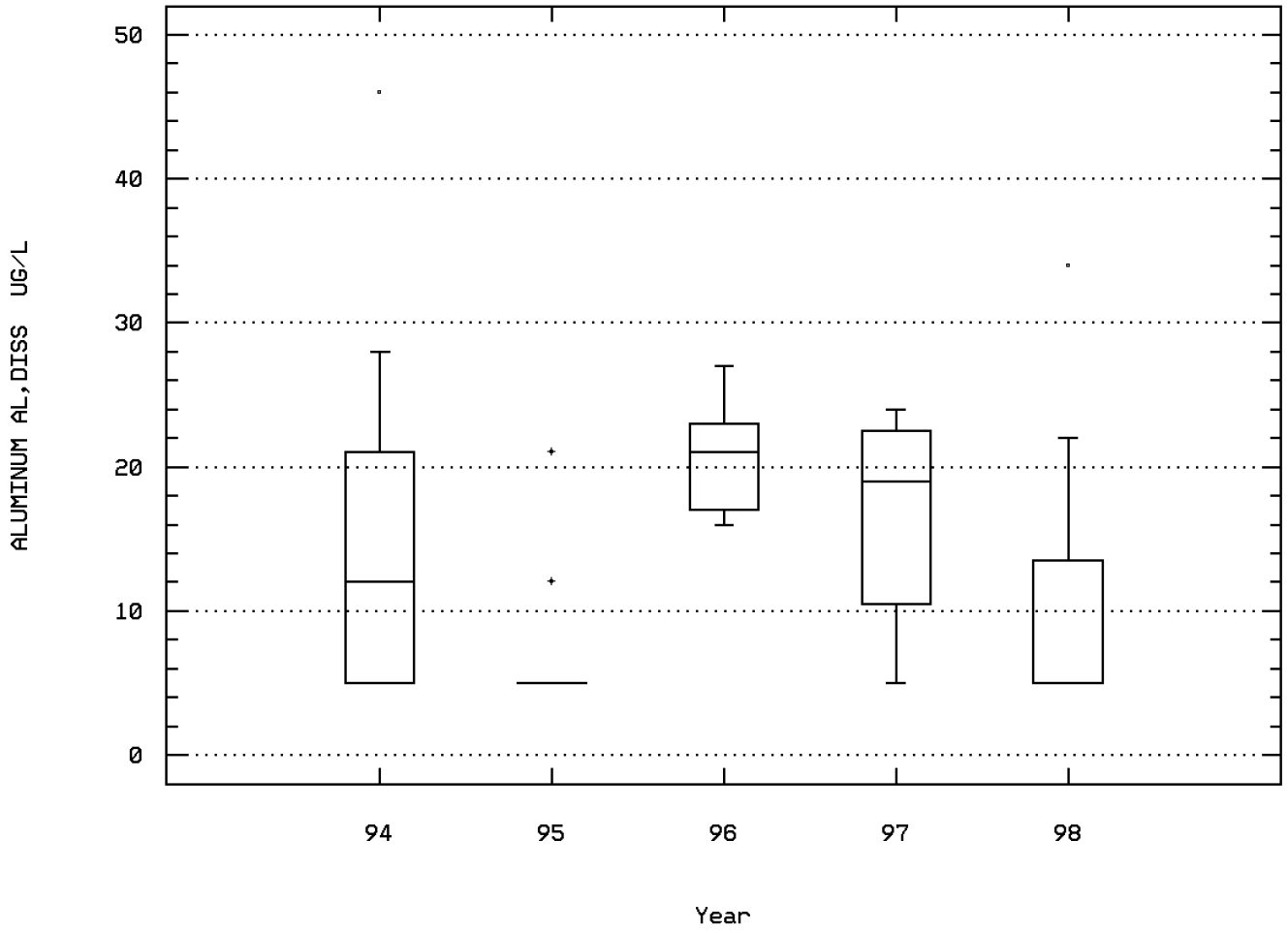
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01106

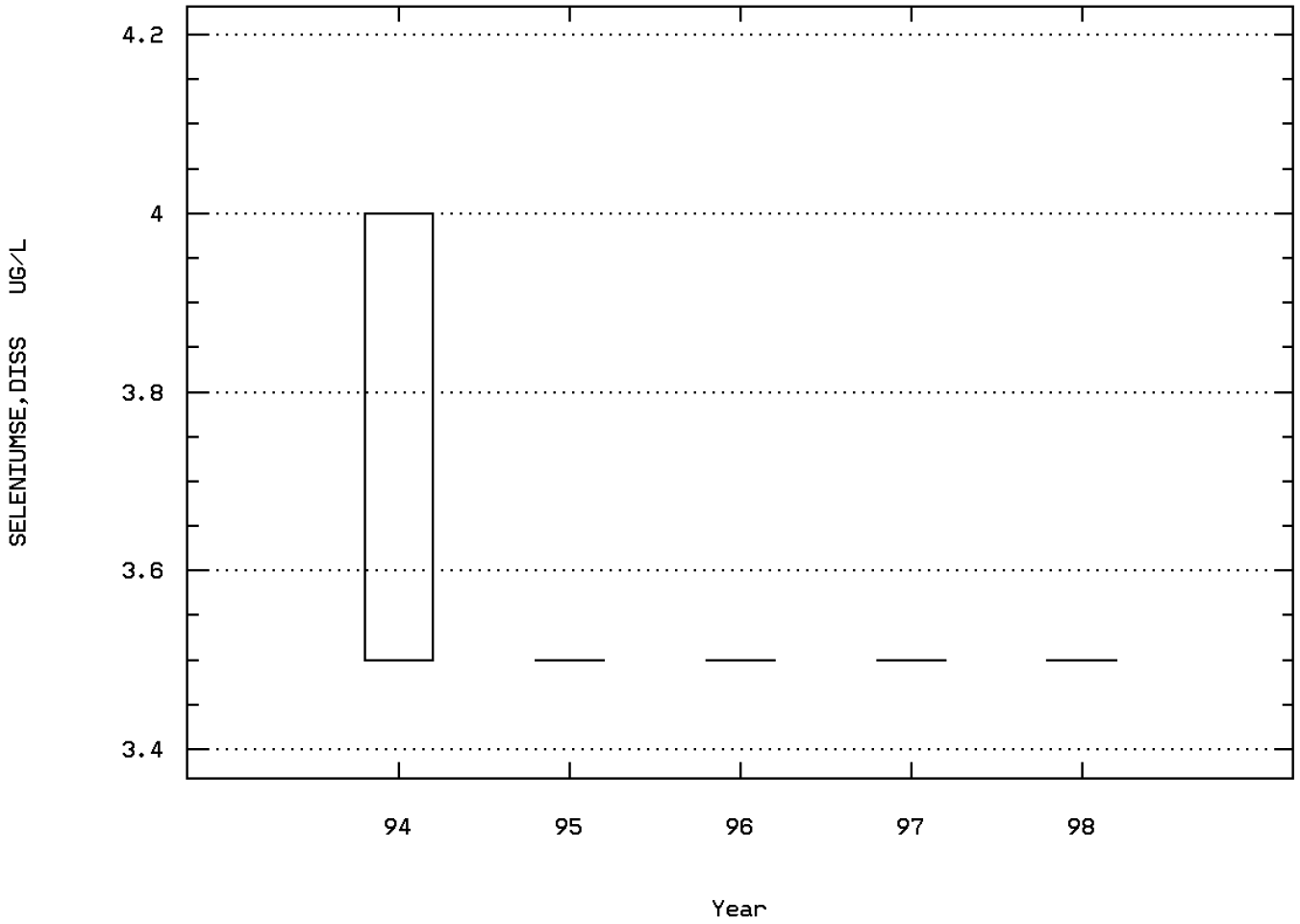
ALUMINUM, DISSOLVED (UG/L AS AL)



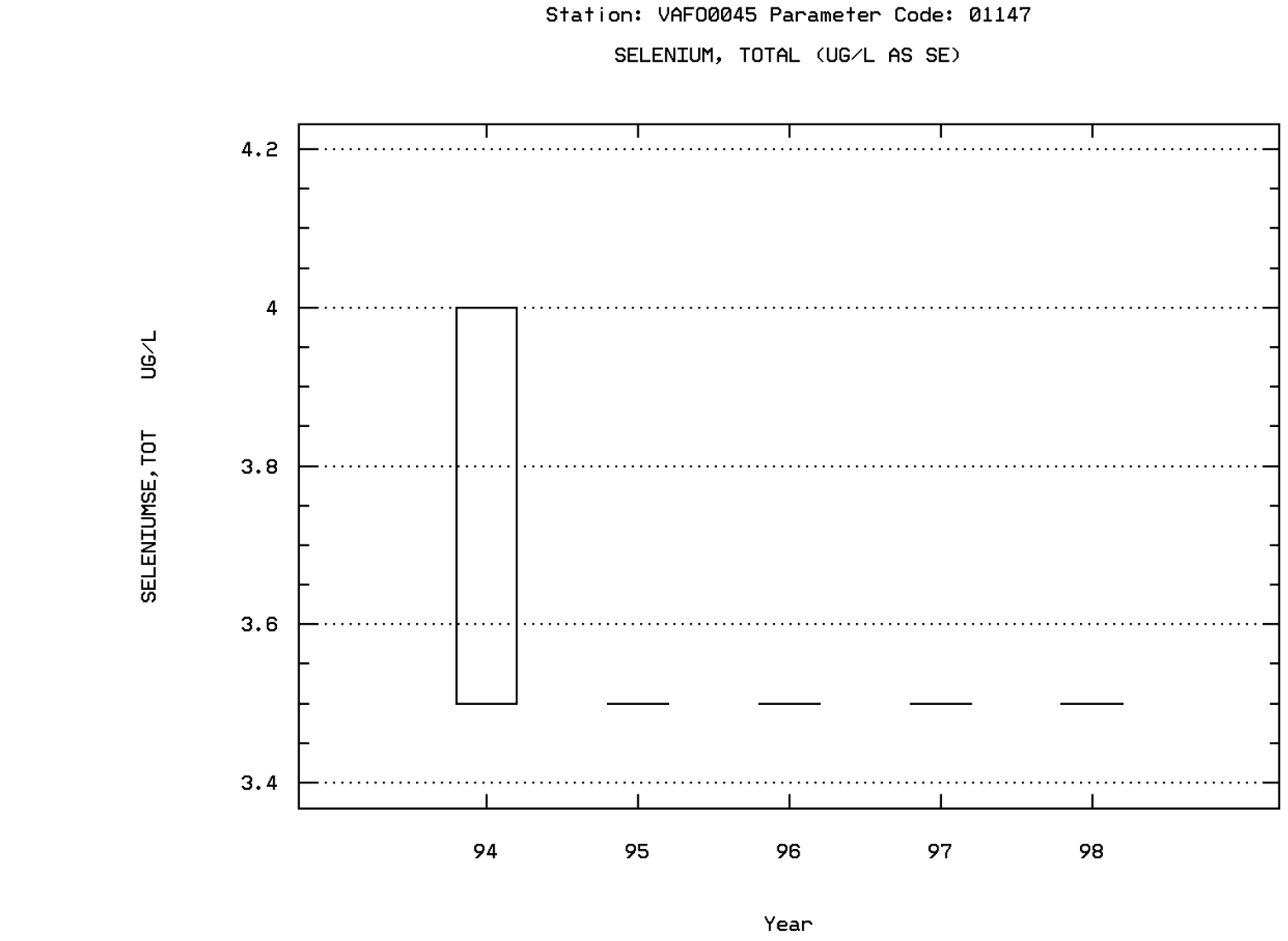
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 01145

SELENIUM, DISSOLVED (UG/L AS SE)



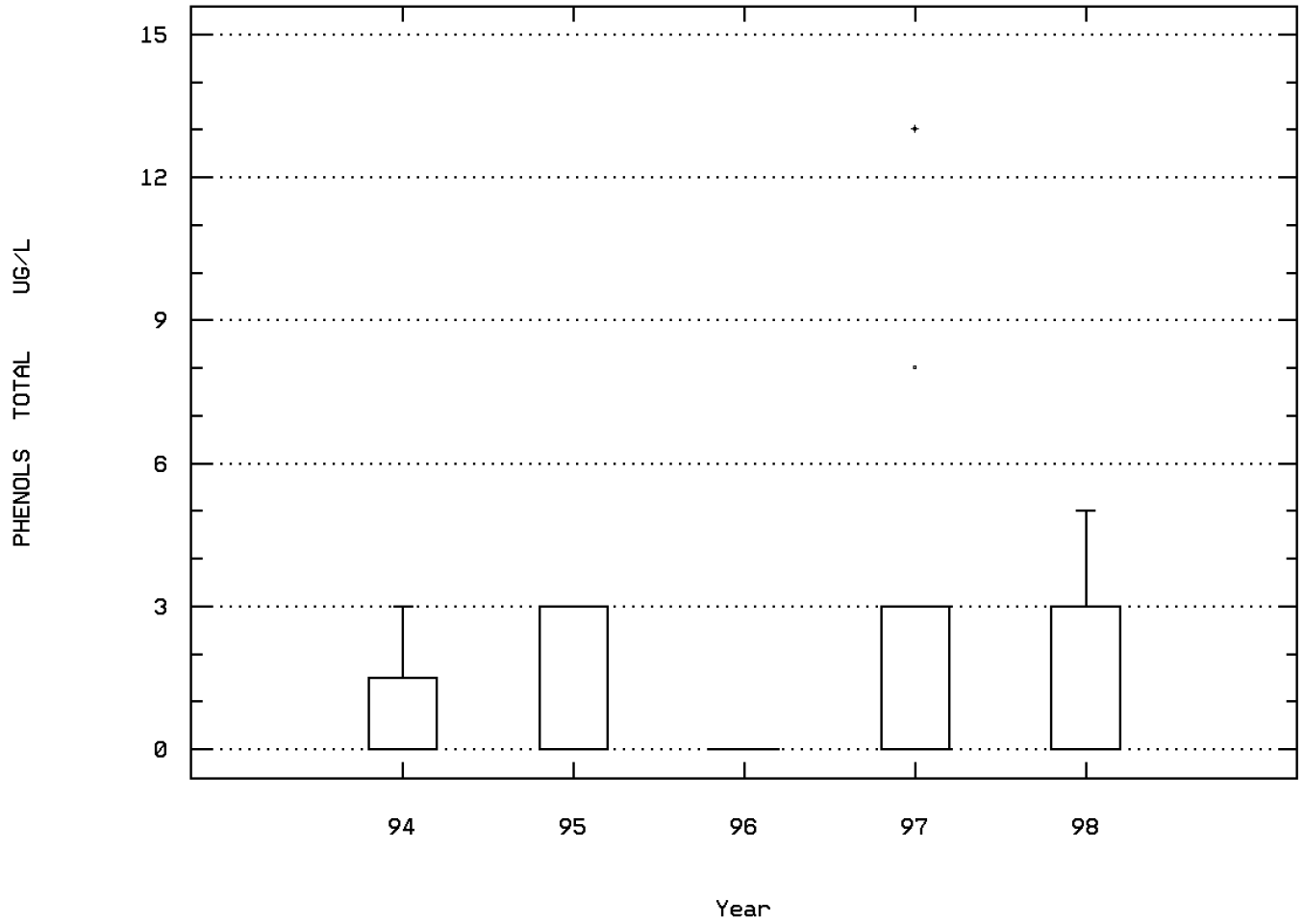
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 32730

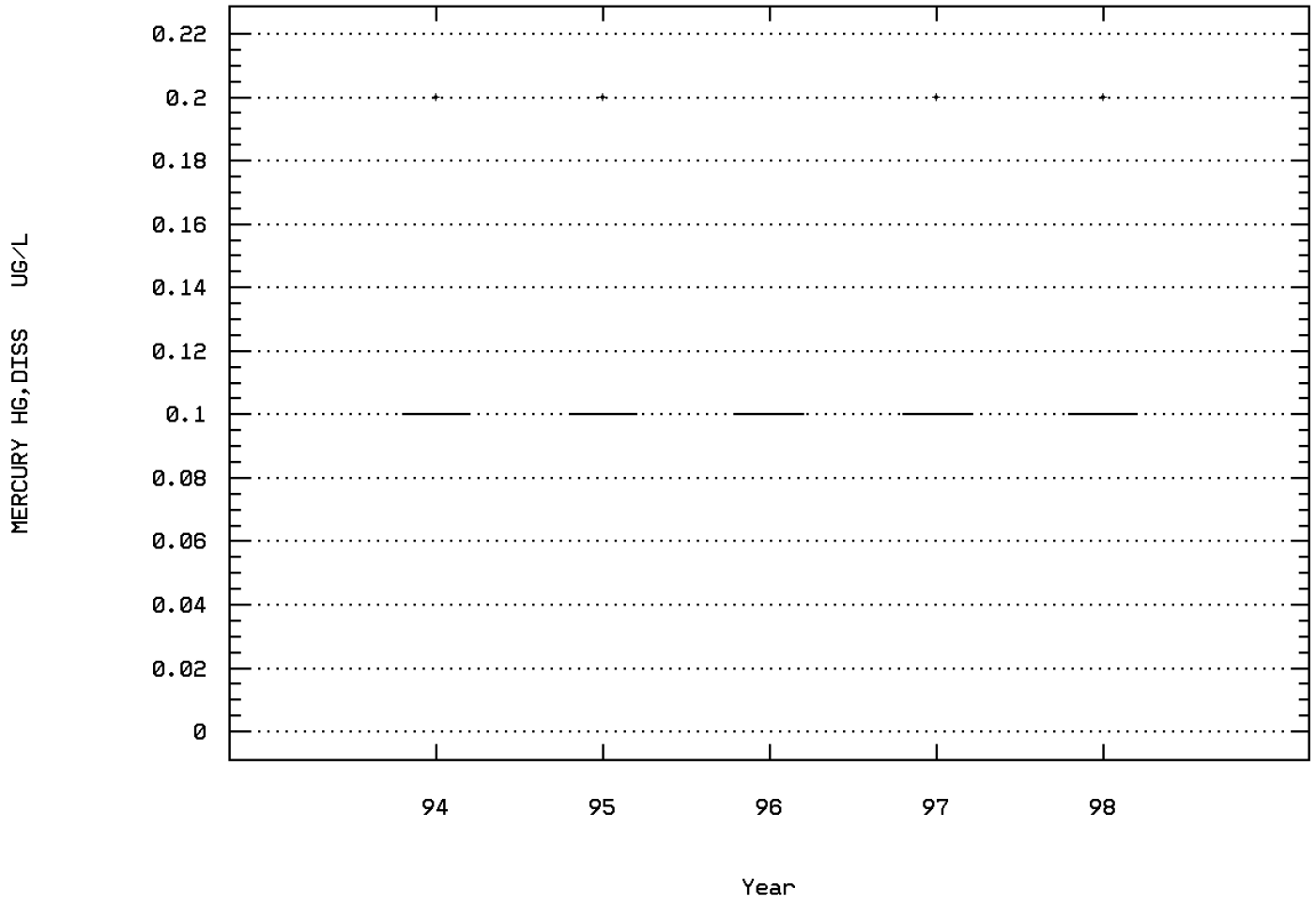
PHENOLICS, TOTAL, RECOVERABLE (UG/L)



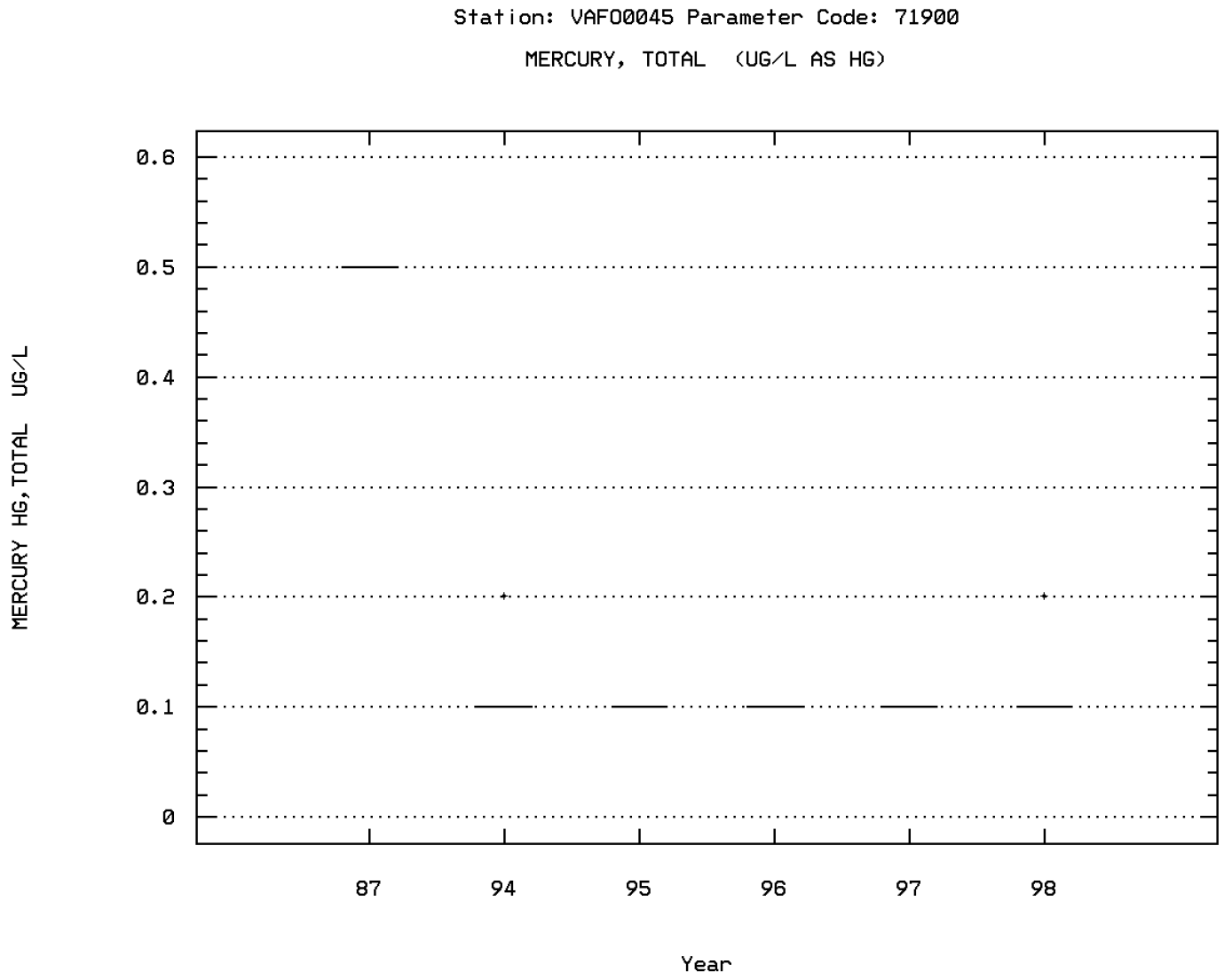
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAF00045 Parameter Code: 71890

MERCURY, DISSOLVED (UG/L AS HG)



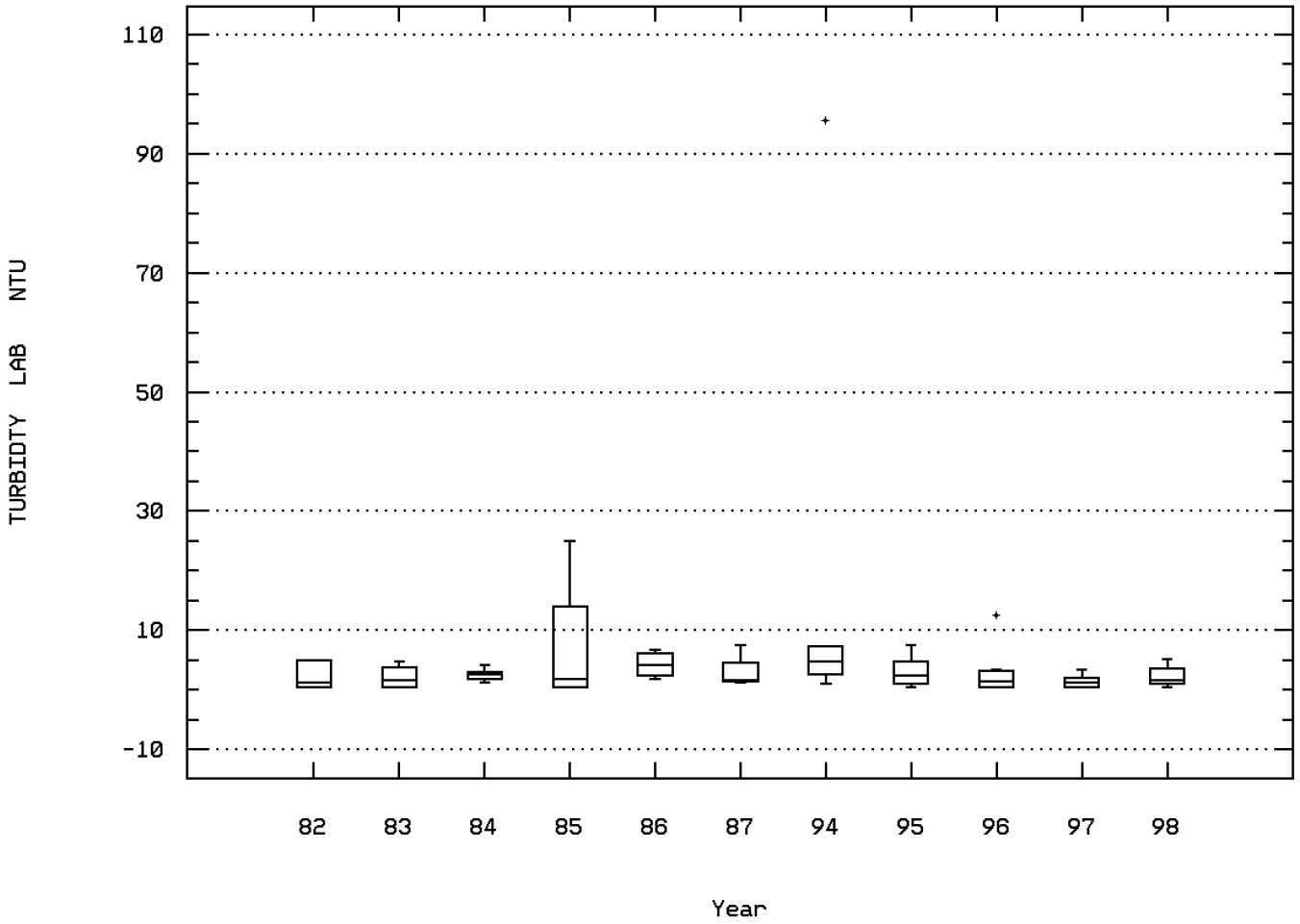
VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK



VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Station: VAFO0045 Parameter Code: 82079

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VALLEY CRK-25M DOWNSTREAM FROM PA TRNPK

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	30	8.5	9.253	18.5	2.2	15.794	3.974	4.79	6.3	11.675	16.09
00057	FLOW, INDICATES IT HAS BEEN CHECKED	10/22/82-06/04/96	27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	10/22/82-07/02/96	27	20.	21.296	76.	9.	144.755	12.031	13.	17.	22.	26.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	18	21.	23.111	51.	9.	120.81	10.991	12.6	15.	24.5	45.6
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	21	3.43	3.188	3.81	1.16	0.488	0.698	1.768	3.315	3.48	3.724
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	27	370.	382.963	500.	250.	3208.191	56.641	316.	350.	420.	462.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/73-11/17/87	13	525.	521.154	575.	400.	2663.141	51.606	420.	500.	565.	573.
00300	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	29	11.9	11.741	14.7	9.4	1.968	1.403	9.8	10.4	12.65	14.2
00340	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	23 ##	5.	6.217	27.	0.	27.087	5.205	5.	5.	5.	11.6
00400	PH (STANDARD UNITS)	11/21/72-12/03/98	30	8.38	8.372	10.	7.5	0.178	0.421	7.9	8.195	8.543	8.7
00400	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	30	8.38	8.216	10.	7.5	0.203	0.45	7.9	8.195	8.542	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	30	0.004	0.006	0.032	0.	0.	0.006	0.002	0.003	0.006	0.013
00403	PH, LAB, STANDARD UNITS SU	11/21/72-11/17/87	18	8.2	8.206	8.7	7.7	0.051	0.226	7.79	8.1	8.325	8.43
00403	CONVERTED PH, LAB, STANDARD UNITS	11/21/72-11/17/87	18	8.2	8.146	8.7	7.7	0.055	0.234	7.79	8.1	8.325	8.43
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-11/17/87	18	0.006	0.007	0.02	0.002	0.	0.004	0.004	0.005	0.008	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	35	196.	189.514	216.	37.	894.375	29.906	164.	188.	204.	209.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	32	362.	357.625	448.	64.	4511.081	67.165	303.8	340.	395.	431.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	24	2.	5.	22.	1.	37.13	6.093	1.	1.	8.	17.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	35	0.03	0.032	0.1	0.	0.001	0.027	0.01	0.01	0.05	0.074
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	35	0.01	0.015	0.05	0.004	0.	0.01	0.005	0.008	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	35	2.17	2.257	3.5	1.72	0.161	0.402	1.832	1.92	2.5	2.854
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	34	0.03	0.032	0.11	0.01	0.001	0.023	0.01	0.01	0.043	0.065
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	34	205.5	202.	386.	5.	4075.939	63.843	146.5	184.75	230.25	257.
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	31	50.3	47.219	58.4	4.5	126.767	11.259	32.86	44.8	53.	57.32
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	31	28.3	27.787	45.	7.3	34.996	5.916	22.98	24.9	30.8	33.36
00940	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	35	48.	46.171	57.	15.	67.97	8.244	37.	41.	52.	55.4
00945	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	34	27.	29.529	56.	21.	47.772	6.912	23.5	25.	31.	40.
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	21 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	21 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	21 ##	0.5	0.529	1.	0.1	0.055	0.235	0.14	0.5	0.5	0.98
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	21 ##	2.	2.19	6.	2.	0.762	0.873	2.	2.	2.	2.
01042	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	21 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01045	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	34	65.	324.265	7150.	10.	1467855.291	1211.551	44.5	50.	150.	391.
01051	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	21 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	21	6.1	7.395	14.7	3.5	10.267	3.204	4.14	4.8	9.6	12.66
01067	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	21 ##	2.	2.095	4.	2.	0.19	0.436	2.	2.	2.	2.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	21 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	21	38.	41.476	104.	12.	737.262	27.153	14.	20.	50.	89.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	10	100.	401.4	3000.	12.5	841983.767	917.597	12.5	48.125	215.	2732.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	10	2.	2.025	3.477	1.097	0.472	0.687	1.097	1.608	2.318	3.38
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			105.986								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/17/87	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	21 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	27	1.1	1.756	7.4	0.5	3.33	1.825	0.5	0.5	1.8	4.96

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	16	5.7	5.663	13.	0.	12.283	3.505	0.	4.125	8.	10.55
00057	FLOW, INDICATES IT HAS BEEN CHECKED	10/22/82-06/04/96	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	10/22/82-07/02/96	11	24.	25.909	42.	16.	73.291	8.561	16.4	18.	31.	41.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	7	35.	33.714	51.	18.	120.571	10.981	**	**	**	**
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	11	3.41	2.973	3.81	1.7	0.774	0.88	1.72	1.99	3.65	3.782
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	16	365.	371.25	500.	310.	2111.667	45.953	310.	342.5	391.25	444.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/73-11/17/87	11	535.	528.636	615.	410.	3515.455	59.291	420.	500.	580.	610.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	15	14.1	13.573	16.5	11.1	3.072	1.753	11.16	11.8	14.7	16.2
00340	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	11 ##	5.	12.273	67.	5.	343.218	18.526	5.	5.	12.	56.8
00400	PH (STANDARD UNITS)	11/21/72-12/03/98	14	8.395	8.451	10.	7.8	0.318	0.564	7.845	7.975	8.7	9.415
00400	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	14	8.39	8.232	10.	7.8	0.37	0.608	7.845	7.975	8.7	9.415
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	14	0.004	0.006	0.016	0.	0.	0.005	0.001	0.002	0.011	0.014
00403	PH, LAB, STANDARD UNITS SU	11/21/72-11/17/87	13	8.3	8.231	8.7	7.4	0.111	0.333	7.6	8.05	8.45	8.62
00403	CONVERTED PH, LAB, STANDARD UNITS	11/21/72-11/17/87	13	8.3	8.08	8.7	7.4	0.135	0.368	7.6	8.05	8.45	8.62
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-11/17/87	13	0.005	0.008	0.04	0.002	0.	0.01	0.002	0.004	0.009	0.029
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	20	188.	186.4	206.	150.	161.937	12.725	170.4	180.5	194.	203.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	20	345.	337.8	408.	166.	2507.747	50.077	290.4	328.	370.	383.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	10 ##	1.5	6.4	24.	1.	69.378	8.329	1.	1.	12.	23.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	20	0.055	0.055	0.15	0.01	0.002	0.044	0.01	0.01	0.078	0.12
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	20	0.013	0.016	0.05	0.005	0.	0.01	0.006	0.01	0.02	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	20	2.41	2.548	3.94	2.09	0.235	0.485	2.103	2.173	2.805	3.268
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	20	0.035	0.037	0.1	0.01	0.001	0.027	0.01	0.02	0.048	0.088
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	20	207.	211.3	336.	138.	1479.379	38.463	175.8	193.25	219.25	259.8
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	19	48.5	47.089	61.6	20.	100.472	10.024	28.	43.8	54.4	55.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	19	26.8	28.4	48.	19.7	35.939	5.995	23.7	24.8	30.5	34.4
00940	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	20	49.	52.45	83.	37.	136.576	11.687	38.4	44.	61.	68.6
00945	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	20	30.	32.	50.	18.	57.263	7.567	25.1	27.25	35.	45.6
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	9	0.5	0.656	1.	0.3	0.06	0.246	0.3	0.5	0.9	1.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	10 ##	2.	2.8	10.	2.	6.4	2.53	2.	2.	2.	9.2
01042	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	10 ##	2.	2.6	5.	2.	1.6	1.265	2.	2.	2.75	5.
01045	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	20	114.	174.1	660.	10.	26391.358	162.454	41.2	86.25	217.25	486.
01051	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	9	11.9	11.367	14.4	6.8	9.323	3.053	6.8	8.15	14.2	14.4
01067	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	9 ##	2.	2.667	6.	2.	2.	1.414	2.	2.	3.	6.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	10 ##	2.5	3.25	10.	2.5	5.625	2.372	2.5	2.5	2.5	9.25
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	9	40.	57.111	128.	28.	1067.861	32.678	28.	36.	75.	128.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	8	20.	44.5	120.	1.	2169.143	46.574	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	8	1.301	1.32	2.079	0.	0.471	0.686	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.871								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/17/87	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	14	1.7	2.079	4.7	0.5	2.28	1.51	0.5	0.5	3.525	4.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/72-12/03/98	41	17.3	16.663	22.	8.4	10.19	3.192	12.04	14.95	19.	20.8
00057	FLOW, INDICATES IT HAS BEEN CHECKED	10/22/82-06/04/96	40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	10/22/82-07/02/96	40	21.	30.	98.	11.	454.769	21.325	14.	16.5	34.5	62.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/07/80-12/03/98	18	24.	28.111	73.	11.	242.34	15.567	12.8	17.25	31.25	58.6
00065	STAGE, STREAM (FEET)	02/19/76-12/03/98	26	3.42	3.179	6.73	1.56	1.123	1.06	1.717	2.143	3.563	3.802
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/73-12/03/98	32	477.5	451.969	520.	350.	2616.289	51.15	370.9	410.	493.75	500.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/73-11/17/87	27	500.	486.556	600.	180.	6423.256	80.145	400.	440.	539.	558.
00300	OXYGEN, DISSOLVED MG/L	11/21/72-12/03/98	35	9.8	9.877	11.8	5.6	1.313	1.146	8.6	9.5	10.5	11.4
00340	COD, .25N K2CR2O7 MG/L	04/02/75-12/03/98	26 ##	5.	8.192	33.	5.	44.162	6.645	5.	5.	10.	18.3
00400	PH (STANDARD UNITS)	11/21/72-12/03/98	39	8.26	8.146	8.9	6.4	0.175	0.418	7.8	8.	8.35	8.5
00400	CONVERTED PH (STANDARD UNITS)	11/21/72-12/03/98	39	8.26	7.735	8.9	6.4	0.348	0.59	7.8	8.	8.35	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-12/03/98	39	0.005	0.018	0.398	0.001	0.004	0.063	0.003	0.004	0.01	0.016
00403	PH, LAB, STANDARD UNITS SU	11/21/72-11/17/87	32	8.1	8.016	8.7	6.6	0.239	0.489	7.43	7.625	8.475	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	11/21/72-11/17/87	32	8.1	7.668	8.7	6.6	0.364	0.603	7.43	7.625	8.475	8.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/72-11/17/87	32	0.008	0.021	0.251	0.002	0.002	0.045	0.003	0.003	0.024	0.037
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/72-12/03/98	51	186.	177.51	272.	12.	1394.615	37.345	148.4	168.	194.	203.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/03/98	45	356.	356.711	496.	116.	3910.21	62.532	278.8	333.	390.	432.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/02/77-12/03/98	27	8.	17.648	138.	1.	746.766	27.327	1.	1.	20.	39.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/21/72-12/03/98	51	0.04	0.25	10.	0.01	1.944	1.394	0.01	0.01	0.08	0.154
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	51	0.02	0.024	0.06	0.004	0.	0.013	0.006	0.014	0.032	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/21/72-12/03/98	51	2.1	2.474	14.49	1.49	3.117	1.765	1.802	1.95	2.6	2.956
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/73-12/03/98	51	0.04	0.071	0.65	0.01	0.009	0.096	0.02	0.03	0.07	0.118
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/73-12/03/98	51	207.	203.608	308.	59.	1175.403	34.284	169.4	187.	216.	242.8
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/03/98	41	48.1	45.007	59.8	5.5	124.016	11.136	28.6	41.3	51.7	54.92
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/03/98	39	26.8	26.382	48.3	6.1	50.808	7.128	18.7	23.2	30.	32.4
00940	CHLORIDE,TOTAL IN WATER MG/L	11/21/72-12/03/98	51	43.	44.353	76.	16.	100.673	10.034	32.2	37.	51.	55.8
00945	SULFATE, TOTAL (MG/L AS SO4)	04/17/73-12/03/98	51	28.	29.206	46.	12.	60.862	7.801	19.2	26.	35.	40.8
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/80-12/03/98	30 ##	2.	2.15	5.	2.	0.313	0.559	2.	2.	2.	2.5
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-12/03/98	32 ##	0.1	0.27	1.5	0.1	0.172	0.415	0.1	0.1	0.175	1.2
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/02/83-12/03/98	26 ##	0.5	1.038	5.	0.5	1.475	1.215	0.5	0.5	1.	2.9
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-12/03/98	32 ##	2.	3.281	20.	2.	12.273	3.503	2.	2.	2.	5.
01042	COPPER, TOTAL (UG/L AS CU)	06/23/75-12/03/98	32 ##	2.	5.531	25.	2.	49.16	7.011	2.	2.	5.75	20.
01045	IRON, TOTAL (UG/L AS FE)	04/17/73-12/03/98	51	240.	978.745	26800.	50.	14208617.834	3769.432	77.4	112.	440.	1142.
01051	LEAD, TOTAL (UG/L AS PB)	06/23/75-12/03/98	32 ##	0.5	3.438	25.	0.5	52.077	7.216	0.5	0.5	2.	19.9
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-12/03/98	32	14.85	19.706	112.	5.6	362.6	19.042	6.96	9.75	25.	30.
01067	NICKEL, TOTAL (UG/L AS NI)	06/23/75-12/03/98	32 ##	2.	5.781	25.	2.	45.531	6.748	2.	2.	6.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/75-12/03/98	32 ##	2.5	13.328	120.	2.5	796.461	28.222	2.5	2.5	5.	54.
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/80-12/03/98	30	97.	178.4	1470.	19.	73089.697	270.351	26.7	62.75	196.25	403.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	19	280.	530.263	2700.	25.	367740.205	606.416	120.	250.	600.	1300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-11/17/87	19	2.447	2.541	3.431	1.398	0.177	0.421	2.079	2.398	2.778	3.114
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			347.641								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-11/17/87	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/80-12/03/98	30 ##	0.1	0.27	1.	0.1	0.116	0.341	0.1	0.1	0.2	1.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/11/82-12/03/98	37	2.6	6.422	95.5	0.5	245.728	15.676	1.08	1.3	5.3	8.42

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0046

NPS Station ID: VAFO0046
LAT/LON: 40.081226/ -75.456948
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 9 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_9
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE WILSON ROAD BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	298.	298.	298.	298.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.106	0.106	0.106	0.106	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	2.04	2.04	2.04	2.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	320.	320.	320.	320.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	250.	250.	250.	250.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0047

NPS Station ID: VAFO0047
LAT/LON: 40.094587/ -75.456838
Agency: 11NPSWRD
Date Created: 10/05/99
Location: VALLEY FORGE NHP STREAM GAGE
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_GAGE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT THE NATIONAL PARK STREAM GAGE AT VALLEY CREEK AND IS INSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM INFORMATION PROVIDED BY VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065 STAGE, STREAM (FEET)	01/31/94-09/17/95	349	1.1	1.203	3.4	0.95	0.088	0.297	1.04	1.06	1.25	1.44

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0048

NPS Station ID: VAFO0048
LAT/LON: 40.081142/ -75.456866
Agency: 11NPSWRD
Date Created: 07/03/99
Location: WQN 154 AT WILSON ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI_WR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT WQN 154 AT WILSON ROAD. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-11/22/93	8	0.5	0.6	1.2	0.4	0.08	0.283	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/29/93-11/22/93	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-11/22/93	8	188.	186.25	200.	156.	194.786	13.957	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/29/93-11/22/93	7	372.	359.143	386.	294.	1043.81	32.308	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/25/93-11/22/93	5	364.	339.8	383.	286.	2120.2	46.046	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/93-11/22/93	5	3.	4.2	8.	1.	12.7	3.564	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-11/22/93	5 ##	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-11/22/93	8 ##	0.01	0.014	0.03	0.01	0.	0.007	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-11/22/93	8	0.011	0.013	0.028	0.004	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-11/22/93	8	2.15	2.105	2.48	1.49	0.078	0.279	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-11/22/93	8 ##	0.1	0.134	0.26	0.1	0.004	0.064	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-11/22/93	8	0.03	0.031	0.05	0.01	0.	0.012	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-11/22/93	8	1.4	1.513	2.6	1.1	0.213	0.461	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-11/22/93	8	218.	214.	234.	165.	511.714	22.621	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-11/22/93	8	50.65	50.35	53.3	43.3	9.674	3.11	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-11/22/93	8	26.2	25.725	28.2	20.7	5.391	2.322	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-11/22/93	8	45.	43.25	46.	33.	19.357	4.4	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-11/22/93	8	29.	28.125	29.	25.	2.125	1.458	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-11/22/93	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	8 ##	0.5	0.55	1.	0.4	0.034	0.185	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-11/22/93	8 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-11/22/93	8	13.5	16.5	43.	5.	155.143	12.456	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-11/22/93	8	116.5	128.375	262.	76.	3631.696	60.264	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-11/22/93	8 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-11/22/93	8	13.	11.5	17.	5.	32.857	5.732	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-11/22/93	8 ##	12.5	14.313	27.	12.5	26.281	5.127	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-11/22/93	8 ##	8.5	15.625	45.	5.	227.982	15.099	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-11/22/93	8	197.5	194.875	372.	67.5	10623.196	103.069	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	8	950.	1037.5	2000.	100.	605535.714	778.162	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	8	340.	478.75	1600.	10.	286583.929	535.335	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	8	170.	131.25	260.	10.	10926.786	104.531	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-11/22/93	8 ##	0.1	0.138	0.3	0.1	0.006	0.074	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-11/22/93	8	4.	3.663	6.9	1.	4.794	2.19	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	3	0	0.00				5	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	3	0	0.00				5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	250.	8	0	0.00	3	0	0.00				5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	3	0	0.00				5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	5.	8	0	0.00	3	0	0.00				5	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	3	0.38	3	1	0.33				5	2	0.40			
		Drinking Water	1300.	8	0	0.00	3	0	0.00				5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	15.	8	0	0.00	3	0	0.00				5	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	5000.	8	0	0.00	3	0	0.00				5	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	8	3	0.38	3	1	0.33				5	2	0.40			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	2.	8	0	0.00	3	0	0.00				5	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00				5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0049

NPS Station ID: VAFO0049 LAT/LON: 40.081199/ -75.456866 Agency: 11NPSWRD Date Created: 08/28/99
Location: VALLEY CREEK NEAR LAFAYETTE'S QUARTERS FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VNU_VC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK NEAR LAFAYETTE'S QUARTERS AND IS INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY A GROUP OF CIVIL AND ENVIRONMENTAL ENGINEERING STUDENTS FROM VILLANOVA UNIVERSITY; "VALLEY CREEK ENVIRONMENTAL STUDY;" NOVEMBER 1997. DATA WERE COLLECTED TO ASSESS THE "ENVIRONMENTAL AND PHYSICAL CONDITION OF VALLEY CREEK." SAMPLES WERE COLLECTED TWICE IN THE SAME AREA AND WERE EVALUATED IN THE FIELD WITH HACH TEST KITS. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/06/97-10/06/97	2	53.5	53.5	54.	53.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/06/97-10/06/97	4	7.5	7.5	11.	4.	12.333	3.512	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/06/97-10/06/97	2	40.	40.	45.	35.	50.	7.071	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/97-10/06/97	4	8.25	8.25	8.5	8.	0.083	0.289	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/97-10/06/97	4	8.182	8.182	8.5	8.	0.09	0.299	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/97-10/06/97	4	0.007	0.007	0.01	0.003	0.	0.004	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/06/97-10/06/97	2	221.	221.	221.	221.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/97-10/06/97	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/06/97-10/06/97	2	246.5	246.5	255.	238.	144.5	12.021	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	10/06/97-10/06/97	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	1	0.25	4	1	0.25									
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0050

NPS Station ID: VAFO0050 LAT/LON: 40.081392/ -75.456948 Agency: 112WRD Date Created: / /
Location: VALLEY CRK AT WILSON ROAD NEAR VALLEY FORGE, PA FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01473170
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 24.70 On/Off RF1:
RF3 Index: 02040203007102.18 RF3 Mile Point: 2.18 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/26-06/26/80	29	14.	14.893	28.	3.	37.515	6.125	6.	11.05	19.9	23.
00058	FLOW, RATE GALLONS/MIN	04/04/63-05/13/65	4	9.	8.	12.	2.	24.	4.899	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/73-06/26/80	8	94.	1858.75	14000.	20.	24075652.786	4906.695	**	**	**	**
00065	STAGE, STREAM (FEET)	09/06/79-06/26/80	7	2.25	2.354	3.22	1.68	0.265	0.515	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/14/69-08/08/77	20	5.5	66.475	1200.	0.	71225.749	266.882	0.5	3.	9.625	24.5
00080	COLOR (PLATINUM-COBALT UNITS)	02/22/61-10/05/72	8	9.5	15.375	50.	1.	300.839	17.345	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/61-06/26/80	26	419.	399.423	660.	118.	20515.454	143.232	172.	302.25	500.	602.1
00300	OXYGEN, DISSOLVED MG/L	07/24/72-08/08/77	5	9.	8.3	10.1	5.1	3.705	1.925	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/14/69-02/15/73	11	2.	148.836	1600.	0.5	231684.603	481.336	0.5	0.5	3.2	1284.4
00340	COD, .25N K2CR2O7 MG/L	02/17/70-10/15/75	2	14.	14.	20.	8.	72.	8.485	**	**	**	**
00400	PH (STANDARD UNITS)	02/22/61-06/26/80	35	7.6	7.124	11.5	3.	3.592	1.895	3.1	7.2	8.	8.48
00400	CONVERTED PH (STANDARD UNITS)	02/22/61-06/26/80	35	7.6	3.902	11.5	3.	14.282	3.779	3.1	7.2	8.	8.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/22/61-06/26/80	35	0.025	125.366	1000.	0.	98317.914	313.557	0.003	0.01	0.063	794.328
00405	CARBON DIOXIDE (MG/L AS CO2)	02/22/61-07/08/68	7	5.9	8.843	24.	2.2	61.453	7.839	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	31	156.	214.29	2800.	0.	236151.013	485.954	29.2	40.	176.	240.4
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	02/17/72-08/08/77	11	0.	30.455	335.	0.	10202.273	101.006	0.	0.	0.	268.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	02/03/70-08/08/77	13	0.	78.462	540.	0.	36830.769	191.913	0.	0.	0.	516.
00440	BICARBONATE ION (MG/L AS HCO3)	09/25/26-07/08/68	8	188.5	194.125	384.	35.	12764.411	112.98	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/25/26-07/08/68	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/14/69-02/15/77	11	340.	599.182	2860.	35.	679996.164	824.619	60.	160.	430.	2556.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/14/69-07/14/69	2	600.	600.	1140.	60.	583200.	763.675	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/14/69-07/14/69	2	150.	150.	200.	100.	5000.	70.711	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/17/70-08/08/77	10	332.	332.	484.	140.	7259.556	85.203	156.2	312.5	371.5	473.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/14/69-08/08/77	15	20.	65.4	640.	4.	25806.543	160.644	4.6	10.	32.	311.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/14/69-02/15/73	3	10.	218.333	640.	5.	133358.333	365.183	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/14/69-02/15/73	3	0.	16.667	50.	0.	833.333	28.868	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/14/69-02/15/73	5	20.	16.	30.	0.	130.	11.402	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/69-08/08/77	20	0.11	0.292	2.199	0.005	0.302	0.55	0.005	0.058	0.155	1.327
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/72-08/08/77	18	0.059	0.055	0.122	0.01	0.001	0.032	0.017	0.028	0.073	0.108
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/25/26-07/08/68	8	4.1	4.488	8.8	0.03	11.396	3.376	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/24/72-08/08/77	18	2.529	3.041	8.299	0.44	4.712	2.171	0.997	1.694	3.254	7.489
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/72-07/24/72	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/68-04/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/72-08/08/77	17	0.12	0.323	2.799	0.02	0.454	0.674	0.052	0.075	0.185	1.344
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/25/68-04/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/75-10/15/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/17/70-02/17/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	20	195.	185.5	430.	46.	8109.316	90.052	60.1	141.	229.	312.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/25/26-07/08/68	8	44.5	48.625	120.	0.	1321.982	36.359	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/25/26-08/08/77	19	44.	44.589	128.	4.6	662.095	25.731	9.2	40.	48.8	69.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/26-08/08/77	19	19.5	18.289	36.	0.4	108.151	10.4	4.4	7.5	27.	33.3
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/25/26-07/08/68	8	5.15	7.688	28.	3.	69.561	8.34	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/25/26-07/08/68	8	0.2	0.25	0.6	0.1	0.031	0.177	**	**	**	**
00932	SODIUM, PERCENT	09/25/26-04/25/68	7	5.	7.286	17.	3.	29.571	5.438	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/25/26-04/25/68	7	2.3	2.686	4.5	1.	1.588	1.26	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/25/26-08/08/77	28	25.5	60.214	970.	3.	32062.249	179.059	5.	11.	42.	51.1
00945	SULFATE, TOTAL (MG/L AS SO4)	09/25/26-08/08/77	26	38.	114.308	850.	4.	39818.382	199.545	7.4	28.	68.	407.3
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/22/61-04/25/68	6	0.05	0.05	0.1	0.	0.003	0.055	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	02/19/76-05/02/77	6	0.155	0.158	0.18	0.14	0.	0.015	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/25/26-04/25/68	7	7.9	14.357	37.	6.6	125.776	11.215	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/21/80-06/26/80	6	0.	0.	0.	0.	0.	0.	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/21/80-06/26/80	6	0.	0.	0.	0.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/03/73-06/26/80	9	0.	17.056	150.	0.	2486.028	49.86	0.	0.	1.75	150.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/21/80-06/26/80	6	2.	1.667	3.	0.	1.067	1.033	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/21/80-06/26/80	6	12.	12.	22.	5.	39.2	6.261	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/03/73-06/26/80	9	12.	13.778	24.	6.	32.944	5.74	6.	9.5	18.5	24.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/21/80-06/26/80	6	5.	4.167	6.	1.	3.367	1.835	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	03/21/80-06/26/80	6	9.	10.833	23.	0.	82.167	9.065	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/03/73-06/26/80	9	16.	19.222	40.	3.	170.444	13.055	3.	7.5	31.	40.
01045	IRON, TOTAL (UG/L AS FE)	12/12/69-08/08/77	20	740.	10336.5	118000.	160.	776900939.737	27872.943	231.	307.5	6525.	48100.
01046	IRON, DISSOLVED (UG/L AS FE)	09/25/26-04/25/68	7	50.	110.	550.	0.	38733.333	196.808	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/21/80-06/26/80	6	0.	0.333	1.	0.	0.267	0.516	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	03/21/80-06/26/80	6	33.	29.667	55.	1.	553.067	23.517	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/03/73-06/26/80	9	25.	31.222	55.	1.	414.694	20.364	1.	13.	50.5	55.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/72-02/19/76	2	290.	290.	490.	90.	80000.	282.843	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/22/61-04/25/68	6	5.	30.	130.	0.	2640.	51.381	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/21/80-06/26/80	6	0.	0.5	2.	0.	0.7	0.837	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	03/21/80-06/26/80	6	12.5	14.	32.	1.	177.2	13.312	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/03/73-06/26/80	9	18.	70.	520.	1.	28601.	169.118	1.	3.5	28.	520.
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/21/80-06/26/80	6	10.	88.333	280.	0.	16056.667	126.715	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	03/21/80-06/26/80	6	10.	26.667	110.	0.	1786.667	42.269	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/03/73-06/26/80	9	110.	98.889	300.	10.	8911.111	94.399	10.	20.	145.	300.
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/17/72-02/19/76	2	590.	590.	1160.	20.	649800.	806.102	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/19/76-05/02/77	6	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-03/31/80	2	0.55	0.55	0.7	0.4	0.045	0.212	**	**	**	**
39755	MIREX, TOTAL (UG/L)	09/06/79-03/31/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
46002	PHENOLS,DIRECT PHOTOMETRIC,NO DISTILLATION (UG/L)	02/17/70-02/17/70	1	40.	40.	40.	40.	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	03/25/70-02/17/72	3	4.319	25.44	72.	0.	1630.562	40.38	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/26-04/25/68	6	269.	320.	565.	220.	17230.8	131.266	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/26-04/25/68	7	227.	280.286	547.	127.	18834.238	137.238	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/25/26-04/25/68	7	0.33	0.399	0.77	0.17	0.037	0.191	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/25/26-07/08/68	8	18.	19.8	39.	0.1	223.74	14.958	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	04/04/63-05/13/65	4	183.5	200.5	260.	175.	1637.667	40.468	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	04/25/68-04/25/68	1	18.	18.	18.	18.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	09/25/26-07/08/68	4	77.	76.75	141.	12.	4006.25	63.295	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	07/08/68-07/08/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-09/06/79	1	861.	861.	861.	861.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-09/06/79	1	558.	558.	558.	558.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	20	1	0.05	6	0	0.00	4	0	0.00	10	1	0.10			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00				4	0	0.00			
00400	PH	Fresh Chronic	9.	35	2	0.06	5	0	0.00	12	0	0.00	18	2	0.11			
		Other-Lo Lim.	6.5	35	6	0.17	5	0	0.00	12	3	0.25	18	3	0.17			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00	5	0	0.00	4	0	0.00	9	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	5	0	0.00	4	0	0.00	9	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	28	1	0.04	8	0	0.00	6	0	0.00	14	1	0.07			
		Drinking Water	250.	28	1	0.04	8	0	0.00	6	0	0.00	14	1	0.07			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	4	0.15	7	0	0.00	8	3	0.38	11	1	0.09			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	5.	6	0	0.00				4	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	5.	6	0	0.00				4	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	1	0.11	1	0	0.00	5	0	0.00	3	1	0.33			
		Drinking Water	5.	9	1	0.11	1	0	0.00	5	0	0.00	3	1	0.33			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00				4	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	6	2	0.33				4	2	0.50	2	0	0.00			
		Drinking Water	1300.	6	0	0.00				4	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	4	0.44	1	1	1.00	5	2	0.40	3	1	0.33			
		Drinking Water	1300.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	15.	6	0	0.00				4	0	0.00	2	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	15.	6	4	0.67				4	4	1.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	15.	7 &	5	0.71	1	1	1.00	4	4	1.00	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	100.	9	1	0.11	1	0	0.00	5	0	0.00	3	1	0.33			
01090	ZINC, DISSOLVED	Fresh Acute	120.	6	2	0.33				4	2	0.50	2	0	0.00			
		Drinking Water	5000.	6	0	0.00				4	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00				4	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	3	0.33	1	0	0.00	5	2	0.40	3	1	0.33			
		Drinking Water	5000.	9	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	1	0	0.00	1	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	2	0	0.00	1	0	0.00	1	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	1	0	0.00	1	0	0.00						
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	1	0	0.00	1	0	0.00						
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00	1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	1	0	0.00	1	0	0.00						
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	2	0	0.00	1	0	0.00	1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	3.	2	0	0.00	1	0	0.00	1	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.4	2	0	0.00	1	0	0.00	1	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	2	0	0.00	1	0	0.00	1	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	8	0	0.00	2	0	0.00	2	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/26-06/26/80	8	13.5	12.888	23.	3.	41.501	6.442	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/14/69-08/08/77	6	5.5	4.	6.5	0.	8.6	2.933	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/61-06/26/80	7	330.	375.571	600.	234.	14650.619	121.04	**	**	**	**
00400	PH (STANDARD UNITS)	02/22/61-06/26/80	5	7.8	7.53	7.9	6.95	0.182	0.427	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/22/61-06/26/80	5	7.8	7.357	7.9	6.95	0.219	0.468	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/22/61-06/26/80	5	0.016	0.044	0.112	0.013	0.002	0.044	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	7	170.	152.286	315.	36.	8993.571	94.834	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/69-08/08/77	6	0.07	0.286	1.399	0.005	0.299	0.547	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	6	215.	240.	430.	168.	9249.6	96.175	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/25/26-08/08/77	6	44.8	58.533	128.	42.4	1162.091	34.089	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/26-08/08/77	6	24.5	23.25	30.5	15.5	39.275	6.267	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/25/26-08/08/77	8	36.5	30.625	42.	7.	168.554	12.983	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/25/26-08/08/77	7	38.	44.714	116.	6.	1147.571	33.876	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/12/69-08/08/77	5	360.	322.	400.	230.	6520.	80.747	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/26-06/26/80	7	9.	9.714	13.	6.	6.905	2.628	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/14/69-08/08/77	4	6.25	10.125	25.	3.	104.063	10.201	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/61-06/26/80	8	380.5	374.875	520.	190.	12413.268	111.415	**	**	**	**
00400	PH (STANDARD UNITS)	02/22/61-06/26/80	12	7.8	6.596	8.2	3.	4.74	2.177	3.	4.025	7.975	8.185
00400	CONVERTED PH (STANDARD UNITS)	02/22/61-06/26/80	12	7.8	3.633	8.2	3.	14.318	3.784	3.	4.025	7.975	8.185
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/22/61-06/26/80	12	0.016	232.883	1000.	0.006	180013.07	424.279	0.007	0.011	595.786	1000.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	7	160.	134.	190.	0.	4815.667	69.395	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/69-08/08/77	5	0.12	0.19	0.68	0.005	0.079	0.281	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	4	172.	165.	240.	76.	5070.667	71.209	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/25/26-08/08/77	4	35.5	33.15	57.	4.6	569.157	23.857	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/26-08/08/77	4	13.5	13.85	24.	4.4	101.69	10.084	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/25/26-08/08/77	6	25.	29.167	61.	3.	509.367	22.569	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/25/26-08/08/77	8	99.	251.25	850.	4.	98434.214	313.742	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/12/69-08/08/77	6	5850.	30691.667	118000.	710.	2220502256.667	47122.206	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/26-06/26/80	14	19.4	18.629	28.	11.	23.324	4.829	11.5	14.5	21.	26.75
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/14/69-08/08/77	10	6.25	126.5	1200.	0.5	142309.333	377.239	0.65	2.75	15.5	1082.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/61-06/26/80	11	500.	432.455	660.	118.	31728.473	178.125	120.4	303.	534.	649.4
00400	PH (STANDARD UNITS)	02/22/61-06/26/80	18	7.5	7.364	11.5	3.1	3.768	1.941	3.1	7.337	8.25	9.25
00400	CONVERTED PH (STANDARD UNITS)	02/22/61-06/26/80	18	7.5	4.053	11.5	3.1	15.375	3.921	3.1	7.337	8.25	9.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/22/61-06/26/80	18	0.032	88.499	794.328	0.	65938.427	256.785	0.001	0.006	0.046	794.328
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	17	128.	272.882	2800.	5.	429454.735	655.328	24.2	33.5	177.	759.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/69-08/08/77	9	0.12	0.353	2.199	0.08	0.481	0.693	0.08	0.095	0.18	2.199
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/26-08/08/77	10	170.	161.	320.	46.	7456.889	86.353	47.3	67.25	208.75	311.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/25/26-08/08/77	9	42.	40.378	69.	9.2	318.764	17.854	9.2	28.4	48.8	69.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/26-08/08/77	9	19.5	16.956	36.	0.4	150.348	12.262	0.4	6.55	27.15	36.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/25/26-08/08/77	14	17.5	90.429	970.	5.	64337.341	253.648	5.	7.75	42.5	508.5
00945	SULFATE, TOTAL (MG/L AS SO4)	09/25/26-08/08/77	11	35.	59.	329.	8.	8195.8	90.531	9.6	21.	49.	273.6
01045	IRON, TOTAL (UG/L AS FE)	12/12/69-08/08/77	9	770.	2330.	8500.	160.	11774525.	3431.403	160.	265.	4715.	8500.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0051

NPS Station ID: VAFO0051 LAT/LON: 40.092476/ -75.457115 Agency: 11NPSWRD Date Created: 04/17/99
Location: VALLEY CREEK AT FOOTBRIDGE ALONG RT. 252 FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_PSU_03
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT THE FOOTBRIDGE ALONG ROUTE 252. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	1	22.9	22.9	22.9	22.9	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	1	8.06	8.06	8.06	8.06	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/87-07/13/87	1	8.06	8.06	8.06	8.06	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-07/13/87	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	1.85	1.85	1.85	1.85	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	29000.	29000.	29000.	29000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.462	4.462	4.462	4.462	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			29000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	3.477	3.477	3.477	3.477	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			3000.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0052

NPS Station ID: VAFO0052
LAT/LON: 40.081059/ -75.457560
Agency: 21PENN
Date Created: 10/27/78
Location: BR ON WILSON RD DWNSTM FR CONFLU
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAL002
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 18.700
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203007100.00
RF3 Mile Point: 0.28
Distance from RF3: 0.01
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM VALLEY CREEK - BRIDGE ON WILSON ROAD DOWNSTREAM FROMC ONFLUENCE WITH LITTLE VALLEY CREEK

Parameter Inventory for Station: VAFO0052

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0053

NPS Station ID: VAFO0053 LAT/LON: 40.080886/ -75.457628 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK US FROM WILSON RD. BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_VALB
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK UPSTREAM FROM THE WILSON ROAD BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/91-07/23/91	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/91-07/23/91	1	564.	564.	564.	564.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/91-07/23/91	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/91-07/23/91	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/91-07/23/91	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/91-07/23/91	2	## 0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/91-07/23/91	2	## 0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-07/23/91	1	500.	500.	500.	500.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/14/91-07/23/91	2	50.05	50.05	100.	0.1	4990.005	70.64	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0053

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	2	1	0.50							2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0054

NPS Station ID: VAFO0054
LAT/LON: 40.111365/ -75.457837
Agency: 11NPSWRD
Date Created: 10/05/99
Location: WALNUT HILL RUN
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_WALN
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT WALNUT HILL RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/14/98	12	16.7	15.658	26.3	4.2	40.808	6.388	5.64	9.925	20.875	24.89
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-07/14/98	9	172.	175.667	216.	149.	471.5	21.714	149.	156.5	193.5	216.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/14/98	12	9.15	8.992	12.5	3.7	5.272	2.296	4.48	8.375	10.6	12.08
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/14/98	12	7.	6.95	7.5	6.5	0.054	0.232	6.59	6.8	7.	7.35
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/14/98	12	7.	6.896	7.5	6.5	0.057	0.238	6.59	6.8	7.	7.35
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/14/98	12	0.1	0.127	0.316	0.032	0.005	0.069	0.052	0.1	0.158	0.269
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/89-12/17/93	5 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-07/14/98	11	0.23	0.224	0.6	0.	0.06	0.245	0.	0.	0.49	0.596
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/04/96-12/04/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/93-07/14/98	8	54.5	56.75	110.	10.	936.786	30.607	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/14/98	11	0.03	0.062	0.29	0.	0.008	0.087	0.	0.	0.08	0.258
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/13/93-07/14/98	5	2.5	6.36	26.	0.	122.723	11.078	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/13/93-07/15/97	2	100.	100.	200.	0.	20000.	141.421	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/14/98	11	1.2	1.2	1.6	0.9	0.056	0.237	0.9	1.	1.4	1.56
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/14/98	12	15.	34.167	100.	0.	1697.242	41.198	0.	1.75	84.75	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0054

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	1	0.08	3	0	0.00				9	1	0.11			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	12	0	0.00	3	0	0.00				9	0	0.00			
		Other-Lo Lim.	6.5	12	1	0.08	3	0	0.00				9	1	0.11			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	1	0	0.00				7	0	0.00			
		Drinking Water	250.	8	0	0.00	1	0	0.00				7	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	11	6	0.55	2	1	0.50				9	5	0.56			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	1	0.50							2	1	0.50			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	11	0	0.00	2	0	0.00				9	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	12	9	0.75	3	2	0.67				9	7	0.78			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/14/98	3	9.	7.7	9.9	4.2	9.39	3.064	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/14/98	3	10.6	10.767	11.1	10.6	0.083	0.289	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/14/98	3	6.8	6.867	7.	6.8	0.013	0.115	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/14/98	3	6.8	6.857	7.	6.8	0.013	0.116	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/14/98	3	0.158	0.139	0.158	0.1	0.001	0.034	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/14/98	2 ##	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/14/98	2	1.45	1.45	1.6	1.3	0.045	0.212	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/14/98	3	23.	41.	100.	0.	2743.	52.374	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/14/98	9	18.7	18.311	26.3	10.	22.096	4.701	10.	15.15	21.55	26.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/89-07/14/98	9	8.7	8.4	12.5	3.7	5.652	2.377	3.7	7.3	9.2	12.5
00403	PH, LAB, STANDARD UNITS SU	07/24/89-07/14/98	9	7.	6.978	7.5	6.5	0.067	0.259	6.5	6.9	7.	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-07/14/98	9	7.	6.91	7.5	6.5	0.072	0.268	6.5	6.9	7.	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/14/98	9	0.1	0.123	0.316	0.032	0.006	0.079	0.032	0.1	0.129	0.316
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/24/89-07/14/98	9	0.06	0.072	0.29	0.	0.009	0.094	0.	0.	0.105	0.29
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/89-07/14/98	9	1.1	1.144	1.4	0.9	0.045	0.213	0.9	0.95	1.4	1.4
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/24/89-07/14/98	9	13.	31.889	100.	0.	1624.611	40.306	0.	3.5	69.5	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0055

NPS Station ID: VAFO0055 | LAT/LON: 40.112003/ -75.458059 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: WALNUT HILL SPRING | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_WHSP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT WALNUT HILL SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/93-08/07/98	4	15.25	16.125	21.7	12.3	15.749	3.969	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/97-08/07/98	2	153.	153.	154.	152.	2.	1.414	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/93-08/07/98	4	9.25	9.375	11.4	7.6	2.803	1.674	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/10/93-08/07/98	4	7.	6.875	7.5	6.	0.396	0.629	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/10/93-08/07/98	4	7.	6.512	7.5	6.	0.572	0.756	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/93-08/07/98	4	0.1	0.308	1.	0.032	0.214	0.463	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/93-08/10/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/10/93-08/07/98	3	0.3	0.277	0.53	0.	0.071	0.266	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/93-08/07/98	4	31.	70.5	196.	24.	7011.667	83.736	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/10/93-08/07/98	4	0.02	0.02	0.04	0.	0.	0.016	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/96-08/07/98	2 ##	17.5	17.5	35.	0.	612.5	24.749	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/10/93-07/18/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/10/93-08/07/98	4	1.4	1.5	1.8	1.4	0.04	0.2	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/10/93-08/07/98	4	17.	25.5	68.	0.	877.667	29.625	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00							4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00							4	0	0.00			
		Other-Lo Lim.	6.5	4	1	0.25							4	1	0.25			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00							4	0	0.00			
		Drinking Water	250.	4	0	0.00							4	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	3	0.75							4	3	0.75			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00							4	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	4	3	0.75							4	3	0.75			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0056

NPS Station ID: VAFO0056 LAT/LON: 40.094976/ -75.458476 Agency: 11NPSWRD Date Created: 04/17/99
Location: VALLEY CREEK 200 M ABOVE THE HISTORICAL MILL DAM FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_PSU_02
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK 200 METERS ABOVE THE THE HISTORICAL MILL DAM. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	1	22.7	22.7	22.7	22.7	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/87-07/13/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-07/13/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	29000.	29000.	29000.	29000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.462	4.462	4.462	4.462	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			29000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	360.	360.	360.	360.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	2.556	2.556	2.556	2.556	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			360.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0056

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0057

NPS Station ID: VAFO0057 | LAT/LON: 40.107309/ -75.459003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: 7TH POND IN BASIN AREA | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_7TH
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 7TH POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	22.1	22.1	22.1	22.1	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0058

NPS Station ID: VAFO0058
LAT/LON: 40.107309/ -75.459003
Agency: 11NPSWRD
Date Created: 10/05/99
Location: 1ST POND IN BASIN AREA
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): VAFO_NPS_1ST
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 1ST POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	17.8	17.8	17.8	17.8	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0059

NPS Station ID: VAFO0059 | LAT/LON: 40.107309/ -75.459003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: 5TH POND IN BASIN AREA | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_5TH
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 5TH POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	16.7	16.7	16.7	16.7	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0060

NPS Station ID: VAFO0060 | LAT/LON: 40.107309/ -75.459003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: 4TH POND IN BASIN AREA | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_4TH
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 4TH POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	19.1	19.1	19.1	19.1	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0061

NPS Station ID: VAFO0061 | LAT/LON: 40.151615/ -75.458809 | Agency: 11NPSWRD | Date Created: 05/23/98
Location: PAMN516R | | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY |
Station Type: /TYPA/AMBNT/SPRING | | STORET Station ID(s): VAFO_NURE_3 /4072219 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 02040203 | Depth of Water: 0 | Aquifer: |
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id: |
Minor Basin: DELAWARE RIVER SCHUYLKILL | | ECO Region: |
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:

Description:
THE SITE IS LOCATED ON THE COLLEGEVILLE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS A SPRING AND WAS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLES WERE FILTERED THROUGH A LESS THAN OR EQUAL TO 0.8 UM FILTER AT THE SITE. DATA WERE FROM "U.S. GEOLOGICAL SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDED STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY SAVANNAH RIVER LABORATORY. THE DATA WERE PROCESSED AND UPLOADED TO STORET BY KELLI O'CONNOR; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516; FAX 970-225-9965).

Parameter Inventory for Station: VAFO0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/77-07/06/77	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/77-07/06/77	1	279.	279.	279.	279.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/06/77-07/06/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/06/77-07/06/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/77-07/06/77	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/77-07/06/77	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/06/77-07/06/77	1	13.52	13.52	13.52	13.52	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/77-07/06/77	1	148.	148.	148.	148.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	07/06/77-07/06/77	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/06/77-07/06/77	1	51.	51.	51.	51.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/06/77-07/06/77	1	0.517	0.517	0.517	0.517	0.	0.	**	**	**	**
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/06/77-07/06/77	1	36.	36.	36.	36.	0.	0.	**	**	**	**
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/06/77-07/06/77	1	5500.	5500.	5500.	5500.	0.	0.	**	**	**	**
50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/06/77-07/06/77	1	38.	38.	38.	38.	0.	0.	**	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	07/06/77-07/06/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0062

NPS Station ID: VAFO0062 | LAT/LON: 40.107309/ -75.459003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: 8TH POND IN BASIN AREA | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_8TH
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 8TH POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	21.9	21.9	21.9	21.9	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0063

NPS Station ID: VAFO0063 | LAT/LON: 40.107309/ -75.459003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: 3RD POND IN BASIN AREA | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_3RD
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 3RD POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	18.9	18.9	18.9	18.9	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0064

NPS Station ID: VAFO0064 | LAT/LON: 40.107309/ -75.459003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: 2ND POND IN BASIN AREA | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): VAFO_NPS_2ND
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT THE 2ND POND IN THE BASIN AREA. ONLY ONE LATITUDE AND LONGITUDE WAS GIVEN FOR PONDS 1-8 IN THE BASIN AREA. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-07/31/89	1	18.9	18.9	18.9	18.9	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/89-07/31/89	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/89-07/31/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/89-07/31/89	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-07/31/89	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	07/31/89-07/31/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0065

NPS Station ID: VAFO0065
LAT/LON: 40.103726/ -75.459587
Agency: 11NPSWRD
Date Created: 10/05/99
Location: WASHINGTON'S HEADQUARTERS SPRING
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_NPS_HQSP
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT WASHINGTON'S HEADQUARTERS SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/89-07/23/98	7	17.2	17.614	27.8	8.8	33.611	5.798	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/89-07/23/98	3	354.	363.333	388.	348.	465.333	21.572	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/24/89-07/23/98	7	7.2	7.986	11.4	6.4	2.978	1.726	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/89-07/23/98	7	6.5	6.7	7.	6.4	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/89-07/23/98	7	6.5	6.628	7.	6.4	0.086	0.293	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/89-07/23/98	7	0.316	0.235	0.398	0.1	0.017	0.13	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/89-01/03/94	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/24/89-07/23/98	6 ##	0.135	0.178	0.53	0.	0.047	0.217	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/24/89-07/23/98	6	102.	123.833	236.	54.	4080.967	63.882	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/24/89-07/23/98	7	0.04	0.047	0.17	0.	0.004	0.062	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/95-07/23/98	3 ##	0.	15.	45.	0.	675.	25.981	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/10/93-07/18/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/24/89-07/23/98	7	0.5	0.629	1.9	0.	0.356	0.596	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/24/89-07/23/98	7	25.	27.857	100.	0.	1168.476	34.183	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	1	0	0.00				6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00	1	0	0.00				6	0	0.00			
		Other-Lo Lim.	6.5	7	4	0.57	1	0	0.00				6	4	0.67			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	1	0	0.00				5	0	0.00			
		Drinking Water	250.	6	0	0.00	1	0	0.00				5	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	7	4	0.57	1	0	0.00				6	4	0.67			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	7	0	0.00	1	0	0.00				6	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	7	5	0.71	1	0	0.00				6	5	0.83			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0066

NPS Station ID: VAFO0066 LAT/LON: 40.078836/ -75.461167 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK UPSTREAM FROM TURNPIKE BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_VALC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK UPSTREAM FROM THE TURNPIKE BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/91-12/27/91	2	11.75	11.75	19.	4.5	105.125	10.253	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/91-12/27/91	3	568.	430.333	568.	155.	56856.333	238.446	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/28/91-12/27/91	2	12.55	12.55	14.4	10.7	6.845	2.616	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/91-12/27/91	2	8.15	8.15	8.3	8.	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/91-12/27/91	2	8.125	8.125	8.3	8.	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/91-12/27/91	2	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/91-12/27/91	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/91-12/27/91	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/91-12/27/91	2	70.	70.	80.	60.	200.	14.142	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/27/91-12/27/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-09/25/91	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/28/91-12/27/91	2	0.85	0.85	0.9	0.8	0.005	0.071	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/28/91-12/27/91	3 ##	0.	33.333	100.	0.	3333.333	57.735	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	3	1	0.33	2	1	0.50				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0067

NPS Station ID: VAFO0067 LAT/LON: 40.079170/ -75.461116 Agency: 112WRD Date Created: 12/22/84
Location: VALLEY CREEK AT PA TURNPIKE BR NEAR VALLEY FORGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01473169
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203022700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.13 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/84-08/22/84	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/22/84-08/22/84	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/84-08/22/84	1	515.	515.	515.	515.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/22/84-08/22/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/22/84-08/22/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/84-08/22/84	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/22/84-08/22/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/22/84-08/22/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/84-08/22/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/84-08/22/84	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/84-08/22/84	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/22/84-08/22/84	1	40.	40.	40.	40.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/84-08/22/84	1	298.	298.	298.	298.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0068

NPS Station ID: VAFO0068
LAT/LON: 40.124726/ -75.461116
Agency: 112WRD
Date Created: 12/02/81
Location: SCHUYLKILL R AT OAKS PA
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400729075274000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203000313.92
RF3 Mile Point: 13.94
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/15/79-11/15/79	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/15/79-11/15/79	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/15/79-11/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/15/79-11/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/15/79-11/15/79	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/15/79-11/15/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/15/79-11/15/79	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/15/79-11/15/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/15/79-11/15/79	1	180.	180.	180.	180.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/15/79-11/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0069

NPS Station ID: VAFO0069 LAT/LON: 40.080000/ -75.461000 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK DOWNSTREAM FROM TURNPIKE BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_VAL2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK DOWNSTREAM FROM THE TURNPIKE BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-07/14/98	22	17.55	16.336	20.3	7.1	15.649	3.956	8.1	14.225	19.425	19.87
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-07/14/98	15	547.	508.6	588.	242.	8771.543	93.657	341.	436.	559.	584.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-07/14/98	22	9.9	10.073	12.6	8.5	1.128	1.062	8.83	9.35	10.425	12.08
00403	PH, LAB, STANDARD UNITS SU	08/08/89-07/14/98	21	8.	7.933	8.5	6.5	0.23	0.48	6.94	8.	8.15	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/89-07/14/98	21	8.	7.502	8.5	6.5	0.425	0.652	6.94	8.	8.15	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/89-07/14/98	21	0.01	0.031	0.316	0.003	0.005	0.073	0.004	0.007	0.01	0.133
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-12/10/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-07/14/98	23 ##	0.	0.13	0.66	0.	0.044	0.21	0.	0.	0.34	0.474
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-07/14/98	20	65.5	85.25	229.	26.	2648.303	51.462	40.2	56.25	105.25	188.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-07/14/98	16	0.05	0.074	0.35	0.	0.009	0.095	0.	0.	0.123	0.224
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/08/95-07/14/98	4 ##	4.	5.75	15.	0.	52.25	7.228	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/04/93-08/08/96	3	0.	66.667	200.	0.	13333.333	115.47	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-07/14/98	22	0.85	0.818	1.4	0.1	0.144	0.38	0.13	0.625	1.1	1.2
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-07/14/98	24	6.5	29.083	100.	0.	1633.906	40.422	0.	0.	60.5	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	22	0	0.00	6	0	0.00				16	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	21	0	0.00	6	0	0.00				15	0	0.00			
		Other-Lo Lim.	6.5	21	1	0.05	6	1	0.17				15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	5	0	0.00				15	0	0.00			
		Drinking Water	250.	20	0	0.00	5	0	0.00				15	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	16	9	0.56	5	3	0.60				11	6	0.55			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	1	0.33	1	0	0.00				2	1	0.50			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	22	0	0.00	6	0	0.00				16	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	24	13	0.54	6	2	0.33				18	11	0.61			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-07/14/98	6	11.3	11.817	19.4	7.1	22.354	4.728	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-07/14/98	2	493.5	493.5	568.	419.	11100.5	105.359	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-07/14/98	6	11.35	11.167	12.6	9.2	1.643	1.282	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/89-07/14/98	6	8.	7.617	8.4	6.5	0.594	0.77	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/89-07/14/98	6	8.	7.072	8.4	6.5	0.95	0.975	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/89-07/14/98	6	0.01	0.085	0.316	0.004	0.016	0.128	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-07/14/98	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-07/14/98	5	60.	56.8	85.	26.	543.7	23.317	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-07/14/98	5	0.13	0.09	0.17	0.	0.007	0.083	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-07/14/98	6	0.55	0.55	1.1	0.1	0.175	0.418	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-07/14/98	6 ##	0.	33.333	100.	0.	2666.667	51.64	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-07/14/98	16	18.	18.031	20.3	13.1	3.222	1.795	15.62	16.9	19.65	20.02
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-07/14/98	13	547.	510.923	588.	242.	9264.577	96.253	308.	488.5	555.5	585.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-07/14/98	16	9.75	9.663	10.8	8.5	0.373	0.611	8.71	9.175	10.1	10.45
00403	PH, LAB, STANDARD UNITS SU	08/08/89-07/14/98	15	8.	8.06	8.5	7.5	0.057	0.238	7.68	8.	8.2	8.44
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/89-07/14/98	15	8.	7.995	8.5	7.5	0.061	0.248	7.68	8.	8.2	8.44
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/89-07/14/98	15	0.01	0.01	0.032	0.003	0.	0.007	0.004	0.006	0.01	0.022
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-07/14/98	17 ##	0.	0.175	0.66	0.	0.052	0.229	0.	0.	0.375	0.524
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-07/14/98	15	77.	94.733	229.	40.	3053.352	55.257	46.	60.	126.	208.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-07/14/98	11	0.02	0.067	0.35	0.	0.011	0.103	0.	0.	0.1	0.3
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-07/14/98	16	1.05	0.919	1.4	0.2	0.104	0.323	0.34	0.7	1.175	1.26
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-07/14/98	18	10.	27.667	100.	0.	1417.765	37.653	0.	0.	41.5	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0070

NPS Station ID: VAFO0070
LAT/LON: 40.102503/ -75.462226
Agency: 112WRD
Date Created: 12/02/81
Location: SCHUYLKILL R AT VALLEY FORGE PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400609075274400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 8.40
On/Off RF1:
RF3 Index: 02040202207600.00
RF3 Mile Point: 0.27
Distance from RF3: 0.45
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/13/79-11/13/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/13/79-11/13/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/13/79-11/13/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/13/79-11/13/79	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/13/79-11/13/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0071

NPS Station ID: VAFO0071 | LAT/LON: 40.086087/ -75.462559 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: STIRLINGS SPRING | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_STSP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT STIRLINGS SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-07/20/98	5	16.3	16.52	21.4	13.	10.427	3.229	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/97-07/20/98	2	59.5	59.5	60.	59.	0.5	0.707	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/12/93-07/20/98	5	9.	8.84	10.1	6.9	1.558	1.248	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-07/20/98	5	6.	5.9	6.	5.5	0.05	0.224	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-07/20/98	5	6.	5.844	6.	5.5	0.054	0.232	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-07/20/98	5	1.	1.432	3.162	1.	0.935	0.967	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/12/93-07/20/98	4	0.305	0.25	0.39	0.	0.031	0.177	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/93-07/20/98	5	27.	41.8	85.	8.	1086.7	32.965	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/93-07/20/98	5	0.02	0.036	0.08	0.	0.001	0.033	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/95-07/20/98	3 ##	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/12/93-07/10/97	3	0.	133.333	400.	0.	53333.333	230.94	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/12/93-07/20/98	5	0.9	1.86	6.	0.6	5.373	2.318	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/12/93-07/20/98	5	11.	15.2	41.	0.	246.2	15.691	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00							5	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00							5	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00							5	5	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00							5	0	0.00			
		Drinking Water	250.	5	0	0.00							5	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	5	4	0.80							5	4	0.80			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	1	0.33							3	1	0.33			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00							5	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	5	4	0.80							5	4	0.80			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0072

NPS Station ID: VAFO0072 LAT/LON: 40.102409/ -75.462442 Agency: 11NPSWRD Date Created: 08/28/99
Location: SCHUYLKILL RIVER UPSTREAM FROM VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RMC_SR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM THE SCHUYLKILL RIVER 20 METERS UPSTREAM OF THE MOUTH OF VALLEY CREEK ON THE CHESTER COUNTY SIDE OF THE RIVER. DATA ARE FROM TWO REPORTS; "INVESTIGATOR'S ANNUAL REPORT; 1989" AND "INVESTIGATOR'S ANNUAL REPORT; 1988." DATA WERE COLLECTED BY RMC ENVIRONMENTAL SERVICES AS PART OF A WATER QUALITY MONITORING PROGRAM ON THE SCHUYLKILL RIVER FOR THE PHILADELPHIA ELECTRIC COMPANY. THE MONITORING PROGRAM WAS REQUIRED AS PART OF A CONSUMPTIVE WATER USE PERMIT ISSUED BY THE DELAWARE RIVER BASIN COMMISSION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/88-06/15/89	1242	13.	13.39	29.	2.	26.207	5.119	6.5	10.	17.	20.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/88-06/15/89	1243	10.	10.134	16.4	6.	3.73	1.931	7.7	8.5	11.6	12.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0072

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1243	0	0.00				480	0	0.00	763	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0073

NPS Station ID: VAFO0073
LAT/LON: 40.099753/ -75.462838
Agency: 11NPSWRD
Date Created: 10/05/99
Location: VALLEY CREEK AT ROUTE 23 BRIDGE
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_VAL1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK AT THE ROUTE 23 BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-07/08/98	24	16.85	16.104	22.3	3.8	23.062	4.802	7.5	13.75	19.875	21.65
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-07/08/98	15	524.	484.333	556.	251.	7603.81	87.2	327.2	419.	539.	550.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-07/08/98	24	10.05	10.325	14.6	8.8	2.106	1.451	8.95	9.45	10.45	13.05
00403	PH, LAB, STANDARD UNITS SU	06/19/90-07/08/98	25	8.	8.096	8.5	7.5	0.05	0.224	7.92	8.	8.2	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/90-07/08/98	25	8.	8.039	8.5	7.5	0.054	0.232	7.92	8.	8.2	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/90-07/08/98	25	0.01	0.009	0.032	0.003	0.	0.006	0.003	0.006	0.01	0.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/90-11/12/93	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-07/08/98	25 ##	0.	0.14	0.58	0.	0.051	0.226	0.	0.	0.38	0.55
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-07/08/98	23	60.	86.652	283.	37.	3855.783	62.095	38.2	40.	120.	184.6
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-07/08/98	17	0.04	0.117	0.58	0.	0.032	0.18	0.	0.	0.19	0.524
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/06/93-07/08/98	5	1.3	3.66	10.	0.	20.928	4.575	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-12/09/96	8	150.	337.5	1300.	0.	239821.429	489.716	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-07/08/98	23	0.9	0.829	1.3	0.02	0.151	0.389	0.104	0.6	1.2	1.26
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-07/08/98	27	0.1	19.43	100.	0.	1038.211	32.221	0.	0.	23.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	24	0	0.00	7	0	0.00	1	0	0.00	16	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	25	0	0.00	7	0	0.00	1	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	25	0	0.00	7	0	0.00	1	0	0.00	17	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	23	0	0.00	7	0	0.00				16	0	0.00			
		Drinking Water	250.	23	1	0.04	7	0	0.00				16	1	0.06			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	17	11	0.65	6	4	0.67	1	0	0.00	10	7	0.70			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	8	4	0.50	3	1	0.33	1	0	0.00	4	3	0.75			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	23	0	0.00	7	0	0.00	1	0	0.00	15	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	27	12	0.44	7	2	0.29	1	0	0.00	19	10	0.53			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-07/08/98	7	11.7	10.743	15.4	3.8	20.966	4.579	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-07/08/98	3	533.	537.667	556.	524.	272.333	16.503	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-07/08/98	7	10.5	11.257	14.6	9.7	2.973	1.724	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/90-07/08/98	7	8.	8.171	8.5	8.	0.049	0.221	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/90-07/08/98	7	8.	8.128	8.5	8.	0.051	0.226	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/90-07/08/98	7	0.01	0.007	0.01	0.003	0.	0.003	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-07/08/98	7 ##	0.	0.081	0.47	0.	0.031	0.175	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-07/08/98	7	60.	70.429	120.	37.	782.619	27.975	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-07/08/98	6	0.04	0.127	0.51	0.	0.039	0.198	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-07/08/98	7	0.9	0.763	1.2	0.04	0.14	0.374	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-07/08/98	7 ##	0.	4.214	18.	0.	53.488	7.314	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-07/08/98	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-07/08/98	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/90-07/08/98	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/90-07/08/98	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/90-07/08/98	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-07/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-07/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-07/08/98	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-07/08/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-07/08/98	16	18.9	18.506	22.3	13.1	7.353	2.712	13.38	16.825	20.475	22.02
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-07/08/98	12	520.	471.	546.	251.	8658.364	93.05	289.1	392.	537.75	545.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-07/08/98	16	9.85	9.925	14.	8.8	1.463	1.21	8.87	9.125	10.1	11.55
00403	PH, LAB, STANDARD UNITS SU	06/19/90-07/08/98	17	8.	8.041	8.5	7.5	0.041	0.203	7.74	8.	8.15	8.26
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/90-07/08/98	17	8.	7.991	8.5	7.5	0.044	0.21	7.74	8.	8.15	8.26
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/90-07/08/98	17	0.01	0.01	0.032	0.003	0.	0.006	0.006	0.007	0.01	0.019
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-07/08/98	17 ##	0.	0.172	0.58	0.	0.061	0.247	0.	0.	0.47	0.58
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-07/08/98	16	60.	93.75	283.	37.	5165.533	71.872	39.1	40.	138.75	231.2
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-07/08/98	10	0.05	0.123	0.58	0.	0.034	0.184	0.	0.	0.223	0.548
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-07/08/98	15	1.	0.828	1.3	0.02	0.16	0.4	0.128	0.4	1.2	1.24
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-07/08/98	19	11.	26.058	100.	0.	1324.43	36.393	0.	0.	34.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0074

NPS Station ID: VAFO0074 LAT/LON: 40.099753/ -75.462838 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 437 AT VALLEY CREEK AT ROUTE 23 FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_437
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 437 IS LOCATED WITHIN VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF VALLEY CREEK AND ROUTE 23. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	38	11.2	11.395	25.	0.	31.767	5.636	4.66	6.875	15.4	18.55
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	27	13.	12.807	28.	-8.	81.008	9.	5.96	9.	21.	24.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	40	407.5	419.775	742.	270.	7795.307	88.291	306.5	371.25	458.75	524.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-10/31/85	12	529.5	520.083	605.	426.	2072.083	45.52	441.9	486.5	548.75	589.1
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	36	11.45	11.636	16.3	5.2	4.961	2.227	9.37	10.05	13.075	15.01
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	38 ##	2.5	3.579	18.5	2.5	10.44	3.231	2.5	2.5	2.5	7.75
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	38	8.1	8.045	8.5	7.1	0.059	0.242	7.7	7.9	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	38	8.1	7.95	8.5	7.1	0.068	0.261	7.7	7.9	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	38	0.008	0.011	0.079	0.003	0.	0.012	0.005	0.006	0.013	0.02
00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	15	8.1	7.99	8.6	6.82	0.252	0.502	6.964	7.9	8.3	8.54
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/90-10/20/97	15	8.1	7.63	8.6	6.82	0.392	0.626	6.964	7.9	8.3	8.54
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/90-10/20/97	15	0.008	0.023	0.151	0.003	0.002	0.041	0.003	0.005	0.013	0.113
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	38	179.5	174.066	246.	20.5	1907.57	43.676	140.6	167.	188.25	227.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	37	0.02	0.072	0.78	0.005	0.027	0.165	0.005	0.005	0.055	0.148
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	34 ##	0.005	0.014	0.14	0.005	0.001	0.024	0.005	0.005	0.02	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	38	0.125	0.229	1.37	0.005	0.102	0.319	0.005	0.04	0.263	0.614
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	38	1.95	1.955	3.02	1.	0.173	0.416	1.479	1.715	2.193	2.484
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	38 ##	0.005	0.012	0.07	0.005	0.	0.015	0.005	0.005	0.01	0.03
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	38	232.	223.737	324.	66.	1949.118	44.149	158.8	215.25	248.	261.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	38	30.	34.471	104.	10.	281.881	16.789	19.71	26.	38.15	58.25
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	38	4.	4.92	20.	1.3	13.873	3.725	2.	2.725	6.	9.58
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	38	39.	39.526	81.	14.	144.04	12.002	26.	31.25	46.	53.2
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	38	34.	34.737	47.	25.	30.469	5.52	27.	31.	39.	44.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	38	0.07	0.089	0.56	0.01	0.007	0.085	0.03	0.05	0.103	0.123

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	37 ##	5.	9.189	100.	5.	245.158	15.658	5.	5.	8.75	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	38	135.	232.632	1100.	60.	57809.104	240.435	60.	60.	300.	525.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	38 ##	25.	49.605	600.	25.	9465.381	97.29	25.	25.	25.	100.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	38 ##	10.	12.368	100.	10.	213.158	14.6	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	06/18/81-06/20/88	9	1700.	3156.667	9000.	400.	8228650.	2868.562	400.	905.	5050.	9000.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	06/18/81-06/20/88	9	3.23	3.305	3.954	2.602	0.22	0.469	2.602	2.911	3.703	3.954
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			2016.577								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	38	290.	28802.663	1000000.	0.226	313562421.92	162214.557	9.05	47.5	560.	5300.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	38	2.46	2.317	6.	-0.699	1.54	1.241	0.87	1.675	2.745	3.722
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			207.453								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	37	220.	1224.911	32000.	0.2	27267054.458	5221.787	0.5	40.	530.	1152.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	37	2.342	2.058	4.505	-0.699	1.234	1.111	-0.301	1.54	2.724	3.06
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			114.243								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	37	0.01	0.018	0.07	0.005	0.	0.016	0.005	0.005	0.03	0.042
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	38	5.5	10.166	64.	0.25	192.106	13.86	0.48	2.	10.5	30.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	38	305.5	300.947	425.	133.	2181.673	46.708	248.7	281.75	322.25	348.2
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	20	0.65	0.968	3.3	0.05	0.753	0.868	0.11	0.225	1.725	2.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	36	0	0.00	10	0	0.00	10	0	0.00	16	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	34	0	0.00	8	0	0.00	9	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	250.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	5000.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	9	7	0.78	1	1	1.00	2	0	0.00	6	6	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	38	22	0.58	9	4	0.44	10	0	0.00	19	18	0.95			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	10	10.45	10.73	15.2	5.5	9.262	3.043	5.65	8.875	13.25	15.08
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	9	13.	12.789	16.6	7.	9.226	3.037	7.	11.	15.75	16.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	10	419.	416.7	524.	280.	4048.456	63.627	289.5	393.75	460.	517.6
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	10	10.55	10.34	13.	5.2	4.498	2.121	5.61	9.525	11.625	12.9
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	9 ##	2.5	5.111	18.5	2.5	31.361	5.6	2.5	2.5	6.25	18.5
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	9	8.1	8.078	8.2	7.9	0.014	0.12	7.9	7.95	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	9	8.1	8.062	8.2	7.9	0.015	0.121	7.9	7.95	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	9	0.008	0.009	0.013	0.006	0.	0.003	0.006	0.006	0.011	0.013
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	9	184.	192.556	227.	176.	357.028	18.895	176.	179.5	208.	227.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	8 ##	0.005	0.014	0.05	0.005	0.	0.017	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	8 ##	0.005	0.022	0.14	0.005	0.002	0.048	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	9	0.04	0.121	0.44	0.005	0.024	0.154	0.005	0.005	0.245	0.44
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	9	1.8	2.027	3.02	1.47	0.317	0.563	1.47	1.525	2.54	3.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	9 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	9	239.	228.444	259.	148.	1129.778	33.612	148.	217.	252.	259.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	9	30.	29.422	44.	10.	131.954	11.487	10.	20.5	41.	44.
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	9	3.5	3.978	7.4	2.	2.942	1.715	2.	2.8	5.1	7.4
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	9	39.	37.556	46.	27.	52.778	7.265	27.	30.5	45.	46.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	9	34.	34.556	40.	26.	26.528	5.151	26.	30.5	39.5	40.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	9	0.06	0.062	0.12	0.03	0.001	0.031	0.03	0.035	0.085	0.12
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	9 ##	5.	6.667	12.5	5.	10.938	3.307	5.	5.	8.75	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	9 ##	60.	204.444	800.	60.	70977.778	266.417	60.	60.	340.	800.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	9 ##	25.	97.222	600.	25.	36163.194	190.166	25.	25.	62.5	600.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	9 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	9	180.	800.	5100.	20.	2663325.	1631.97	20.	45.	620.	5100.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	9	2.255	2.312	3.708	1.301	0.568	0.753	1.301	1.651	2.787	3.708
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			205.239								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	9	310.	625.556	2400.	20.	585227.778	765.002	20.	90.	965.	2400.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	9	2.491	2.447	3.38	1.301	0.431	0.657	1.301	1.954	2.98	3.38
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			279.958								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	8 ##	0.008	0.016	0.06	0.005	0.	0.019	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	9	3.	5.222	21.	0.5	43.382	6.586	0.5	0.75	8.	21.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	9	306.	302.778	317.	264.	250.944	15.841	264.	299.5	313.5	317.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	10	5.8	4.7	8.	0.	9.262	3.043	0.	1.2	6.825	7.98
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	7	7.	1.814	8.	-8.	41.275	6.425	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	9	370.	376.556	584.	270.	8966.778	94.693	270.	305.	415.	584.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	10	13.25	13.37	15.5	11.6	1.278	1.13	11.66	12.8	13.9	15.43
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	10 ##	2.5	3.75	11.5	2.5	8.625	2.937	2.5	2.5	3.375	10.95
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	10	8.2	8.09	8.5	7.1	0.148	0.384	7.18	7.975	8.3	8.48
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	10	8.2	7.852	8.5	7.1	0.21	0.459	7.18	7.975	8.3	8.48
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	10	0.006	0.014	0.079	0.003	0.001	0.023	0.003	0.005	0.011	0.073
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	173.5	164.15	227.	20.5	2875.225	53.621	34.55	166.25	183.25	223.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	10 ##	0.008	0.039	0.14	0.005	0.003	0.053	0.005	0.005	0.07	0.139
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	9 ##	0.005	0.009	0.02	0.005	0.	0.007	0.005	0.005	0.015	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.075	0.23	1.37	0.02	0.167	0.409	0.023	0.05	0.19	1.264
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	10	2.2	2.194	2.9	1.76	0.12	0.346	1.76	1.94	2.385	2.856
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	10 ##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.005	0.028
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	240.5	227.1	324.	137.	2755.656	52.494	139.3	184.75	248.	316.7
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	10	34.8	41.12	104.	17.5	698.933	26.437	17.74	19.975	51.	100.2
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	10	3.05	3.4	6.4	1.3	2.576	1.605	1.34	2.15	4.775	6.26
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	10	41.	40.7	57.	14.	166.9	12.919	15.3	34.5	50.75	56.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	10	34.5	34.9	44.	27.	28.767	5.363	27.2	30.5	38.25	43.8
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.075	0.129	0.56	0.04	0.024	0.155	0.041	0.058	0.12	0.519
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	9 ##	5.	6.667	12.5	5.	10.938	3.307	5.	5.	8.75	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	10	115.	199.	750.	60.	47898.889	218.858	60.	60.	250.	715.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	10	20.	49.12	180.	0.2	3885.866	62.337	0.23	0.5	110.	173.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	10	1.301	1.024	2.255	-0.699	1.173	1.083	-0.659	-0.301	2.041	2.234
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.571								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	9	10.	86.8	400.	0.2	21849.048	147.814	0.2	0.5	170.	400.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	9	1.	0.981	2.602	-0.699	1.453	1.205	-0.699	-0.301	2.113	2.602
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			9.568								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	10	0.015	0.018	0.04	0.005	0.	0.013	0.005	0.005	0.03	0.039
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	2.5	3.2	9.	0.25	9.664	3.109	0.25	0.438	6.25	8.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	10	311.5	300.4	350.	246.	1205.156	34.715	246.3	270.75	324.25	347.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	18	15.5	15.483	25.	9.5	15.009	3.874	10.04	12.625	18.125	19.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	11	21.	19.818	28.	9.	39.814	6.31	9.3	13.	24.	27.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	21	410.	439.762	742.	305.	8527.59	92.345	350.	385.	500.	525.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	16	10.8	11.363	16.3	9.1	4.907	2.215	9.31	9.75	11.875	16.09
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	19 ##	2.5	2.763	7.5	2.5	1.316	1.147	2.5	2.5	2.5	2.5
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	19	8.1	8.005	8.3	7.6	0.037	0.193	7.7	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	19	8.1	7.961	8.3	7.6	0.039	0.198	7.7	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	19	0.008	0.011	0.025	0.005	0.	0.006	0.006	0.008	0.013	0.02
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	19	174.	170.526	246.	33.	2086.041	45.673	101.	159.	189.	230.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	19	0.03	0.114	0.78	0.005	0.049	0.222	0.005	0.005	0.08	0.68
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	17	0.01	0.014	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.032
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	19	0.18	0.279	1.2	0.005	0.106	0.326	0.005	0.08	0.32	1.01
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	19	1.81	1.796	2.2	1.	0.095	0.307	1.4	1.53	2.02	2.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	19 ##	0.005	0.016	0.07	0.005	0.	0.019	0.005	0.005	0.02	0.06
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	19	224.	219.737	273.	66.	2092.316	45.742	162.	213.	246.	270.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	19	30.	33.363	65.	18.	132.707	11.52	26.	27.4	32.	57.5
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	19	4.6	6.166	20.	2.	22.555	4.749	2.	3.	8.	13.25
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	19	39.	39.842	81.	18.	186.363	13.651	26.	29.	44.	55.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	19	34.	34.737	47.	25.	36.427	6.035	27.	31.	39.	45.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	19	0.09	0.081	0.15	0.01	0.001	0.035	0.03	0.05	0.1	0.12
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	19 ##	5.	11.579	100.	5.	468.202	21.638	5.	5.	12.5	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	19	200.	263.684	1100.	60.	61291.228	247.571	60.	60.	300.	500.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	19 ##	25.	40.	200.	25.	1816.667	42.622	25.	25.	25.	100.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	19 ##	10.	14.737	100.	10.	426.316	20.647	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	19	480.	57200.526	1000000.	160.523	85173849.708	228878.076	230.	320.	1120.	71000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	19	2.681	3.	6.	2.204	0.906	0.952	2.362	2.505	3.049	4.851
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			998.964								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	19	440.	2047.921	32000.	0.5	52722059.341	7260.996	20.	80.	540.	1360.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	19	2.643	2.384	4.505	-0.301	0.862	0.929	1.301	1.903	2.732	3.134
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			241.885								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	19	0.02	0.02	0.07	0.005	0.	0.018	0.005	0.005	0.03	0.05
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	19	8.	16.174	64.	0.3	293.495	17.132	3.	5.	22.	43.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	19	300.	300.368	425.	133.	3768.246	61.386	218.	276.	323.	397.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0075

NPS Station ID: VAFO0075 | LAT/LON: 40.102476/ -75.462642 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: VALLEY CREEK DS FROM RT 23 BRIDGE | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_VAL7
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK DOWNSTREAM FROM THE ROUTE 23 BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/89-12/14/93	3	16.3	12.3	16.4	4.2	49.21	7.015	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/89-09/25/91	3	526.	401.333	528.	150.	47377.333	217.663	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/89-12/14/93	3	10.6	11.5	13.5	10.4	3.01	1.735	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/89-12/14/93	3	8.4	8.433	8.5	8.4	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/89-12/14/93	3	8.4	8.431	8.5	8.4	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/89-12/14/93	3	0.004	0.004	0.004	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/89-12/14/93	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/89-12/14/93	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-06/13/90	1	80.	80.	80.	80.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/89-12/14/93	2 ##	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-09/25/91	1	12700.	12700.	12700.	12700.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/08/89-12/14/93	3	0.6	0.6	0.8	0.4	0.04	0.2	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/08/89-12/14/93	4	100.	75.	100.	0.	2500.	50.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	1	0	0.00				1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00				2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	4	3	0.75	2	2	1.00				2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0076

NPS Station ID: VAFO0076 LAT/LON: 40.100532/ -75.463059 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK AT WASHINGTON'S HEADQUARTERS FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_VC1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED INSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM VALLEY CREEK IN FRONT OF WASHINGTON'S HEADQUARTERS. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/03/72-10/06/92	6	31.	32.167	50.	23.	88.967	9.432	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/06/92	5	13.4	14.04	17.3	12.2	4.593	2.143	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-09/28/89	4	17.4	17.6	23.6	12.	22.72	4.767	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/03/72-10/06/92	5	1.7	1.62	1.9	1.3	0.052	0.228	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/06/92	6	25.5	28.667	44.	23.	60.267	7.763	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/06/92	5	0.6	0.62	0.8	0.4	0.032	0.179	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/86-10/06/92	2 ##	15.	15.	30.	0.	450.	21.213	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-10/07/92	6	517.5	537.5	600.	500.	1757.5	41.923	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/03/72-10/07/92	6	10.25	10.583	13.	9.5	1.542	1.242	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/03/72-10/07/92	6	7.95	7.792	8.3	7.05	0.23	0.48	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/03/72-10/07/92	6	7.925	7.559	8.3	7.05	0.295	0.544	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/03/72-10/07/92	6	0.012	0.028	0.089	0.005	0.001	0.033	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-10/07/92	6	165.	163.333	180.	150.	146.667	12.111	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/28/89	5	0.034	0.073	0.25	0.015	0.01	0.1	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/07/92	6	2.45	2.813	5.6	1.2	2.251	1.5	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-10/07/92	6	0.35	0.505	1.3	0.09	0.203	0.451	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/83	2	34.5	34.5	67.	2.	2112.5	45.962	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/03/83-09/29/86	2 ##	157.5	157.5	300.	15.	40612.5	201.525	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/29/86	4	345.	402.5	800.	120.	95491.667	309.017	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/03/83-09/29/86	2 ##	212.5	212.5	400.	25.	70312.5	265.165	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/83-09/29/86	2	22.5	22.5	30.	15.	112.5	10.607	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/03/83-09/29/86	2 ##	262.5	262.5	500.	25.	112812.5	335.876	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/06/92	6	0.45	0.55	1.	0.2	0.143	0.378	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-10/07/92	5	2350.	3194.6	9300.	190.	13032935.8	3610.116	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-10/07/92	6	440.	1177.667	5400.	65.	4332954.667	2081.575	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-10/07/92	6	235.	1923.667	10250.	27.	16685738.667	4084.818	**	**	**	**
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/03/72-10/06/92	6	11.5	12.667	19.	6.	24.667	4.967	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-10/06/92	6	1.425	1.453	2.19	1.	0.198	0.445	**	**	**	**
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	09/28/89-09/28/89	1	288.	288.	288.	288.	0.	0.	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-09/28/89	3	10.	103.667	300.	1.	28930.333	170.089	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	6	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	0	0.00	6	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	2	1	0.50									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	1	0.50	2	1	0.50									
		Drinking Water	15.	1 &	1	1.00	1	1	1.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	1	0.50	2	1	0.50									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	6	3	0.50	6	3	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0077

NPS Station ID: VAFO0077 | LAT/LON: 40.099753/ -75.462976 | Agency: 11NPSWRD | Date Created: 04/17/99
Location: VALLEY CREEK 300 M ABOVE THE MOUTH | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_PSU_01
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK 300 METERS ABOVE THE MOUTH. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/87-07/13/87	1	21.7	21.7	21.7	21.7	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/87-07/13/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/87-07/13/87	1	8.35	8.35	8.35	8.35	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/87-07/13/87	1	8.35	8.35	8.35	8.35	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/87-07/13/87	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	1.65	1.65	1.65	1.65	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	36000.	36000.	36000.	36000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.556	4.556	4.556	4.556	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			36000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	260.	260.	260.	260.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	2.415	2.415	2.415	2.415	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			260.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0078

NPS Station ID: VAFO0078
LAT/LON: 40.100003/ -75.462948
Agency: 21PENN
Date Created: 10/27/78
Location: AT CONFLUENCE W/ SCHUYLKILL RIVE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAL000
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 17.910
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000800.00
RF3 Mile Point: 0.02
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM VALLEY CREEK AT CONFLUENCE WITH SCHUYLKILL RIVER AT PA 23 BRIDGE

Parameter Inventory for Station: VAFO0078

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0079

NPS Station ID: VAFO0079
LAT/LON: 40.100003/ -75.463059
Agency: 112WRD
Date Created: 05/19/79
Location: VALLEY CR AT VALLEY FORGE, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01473180
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 17.910
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000800.00
RF3 Mile Point: 1.06
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/78-12/28/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/78-12/28/78	1	560.	560.	560.	560.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/78-12/28/78	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/78-12/28/78	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/78-12/28/78	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/28/78-12/28/78	1	451.	451.	451.	451.	0.	0.	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/28/78-12/28/78	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/28/78-11/13/79	2	5.95	5.95	6.5	5.4	0.605	0.778	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/28/78-11/13/79	2	15.	15.	17.	13.	8.	2.828	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/13/79-11/13/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/13/79	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/13/79	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-11/13/79	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-11/13/79	2	35.	35.	50.	20.	450.	21.213	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-11/13/79	2	65.	65.	80.	50.	450.	21.213	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/28/78-11/13/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	2	0.55	0.55	1.1	0.	0.605	0.778	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	2	1.7	1.7	2.2	1.2	0.5	0.707	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-11/13/79	2	1.25	1.25	1.8	0.7	0.605	0.778	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/28/78-11/13/79	2	59.	59.	110.	8.	5202.	72.125	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-11/13/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0079

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0080

NPS Station ID: VAFO0080
LAT/LON: 40.099448/ -75.463031
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 11 AT VALLEY CREEK
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 11 IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 20 YARDS UPSTREAM FROM THE ROUTE 23 BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	560.	560.	560.	560.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	580.	580.	580.	580.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	460.	460.	460.	460.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	146.	146.	146.	146.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0081

NPS Station ID: VAFO0081 | LAT/LON: 40.085809/ -75.463477 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: STIRLINGS RUN | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_STIR
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT STIRLINGS RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/89-07/06/98	14	15.75	15.271	22.1	7.	19.67	4.435	7.8	11.325	19.425	21.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/89-07/06/98	5	80.	107.6	178.	55.	2799.3	52.908	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/89-07/06/98	14	9.3	9.479	11.5	7.6	1.213	1.101	7.95	8.825	10.05	11.4
00403	PH, LAB, STANDARD UNITS SU	04/15/93-07/06/98	13	7.	6.962	8.5	6.5	0.353	0.594	6.5	6.5	7.25	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/15/93-07/06/98	13	7.	6.74	8.5	6.5	0.406	0.637	6.5	6.5	7.25	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/15/93-07/06/98	13	0.1	0.182	0.316	0.003	0.018	0.133	0.015	0.066	0.316	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/89-07/27/95	9 ##	0.	11.222	101.	0.	1133.444	33.667	0.	0.	0.	101.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/89-07/06/98	14 ##	0.	0.166	0.73	0.	0.051	0.226	0.	0.	0.308	0.555
00940	CHLORIDE,TOTAL IN WATER MG/L	04/15/93-07/06/98	13	52.	54.308	119.	20.	772.731	27.798	22.	31.5	71.	106.2
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/14/89-07/06/98	13	0.06	0.08	0.38	0.	0.012	0.107	0.	0.	0.115	0.304
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/15/93-07/06/98	4 ##	0.65	6.575	25.	0.	151.256	12.299	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/11/91-07/10/97	7	1.	55.857	200.	0.	6043.476	77.74	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/14/89-07/06/98	14	0.5	0.457	0.7	0.	0.047	0.217	0.1	0.3	0.625	0.7
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/14/89-07/06/98	14	12.	27.071	100.	0.	1620.995	40.262	0.	0.	42.25	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	14	0	0.00	6	0	0.00				8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	5	0	0.00				8	0	0.00			
		Other-Lo Lim.	6.5	13	6	0.46	5	2	0.40				8	4	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	5	0	0.00				8	0	0.00			
		Drinking Water	250.	13	0	0.00	5	0	0.00				8	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	13	8	0.62	5	2	0.40				8	6	0.75			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	7	1	0.14	3	0	0.00				4	1	0.25			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	14	0	0.00	6	0	0.00				8	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	14	8	0.57	6	3	0.50				8	5	0.63			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0082

NPS Station ID: VAFO0082
LAT/LON: 40.169337/ -75.465032
Agency: 21PENN
Date Created: 10/25/78
Location: AT BR ON L.R.46067 UPSTM FR CONF
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PER005
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203004
RF1 Mile Point: 4.560
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000401.02
RF3 Mile Point: 1.01
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM PERKIOMEN CREEK - AT BRIDGE L.R. 46067 UPSTREAM FROMC ONFLUENCE WITH SKIPPACK CREEK IN LOWER PROVIDENCE TOWNSHIP, MONTGOMERYC
OUNTY

Parameter Inventory for Station: VAFO0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0083

NPS Station ID: VAFO0083
LAT/LON: 40.088226/ -75.465642
Agency: 11NPSWRD
Date Created: 10/05/99
Location: UPPER STIRLINGS SPRING
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_NPS_STUP
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT UPPER STIRLINGS SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/20/93-08/07/98	4	11.6	13.7	21.2	10.4	26.127	5.111	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/98-08/07/98	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/20/93-08/07/98	4	9.2	8.95	10.	7.4	1.45	1.204	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/20/93-08/07/98	4	6.25	6.25	7.	5.5	0.417	0.645	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/20/93-08/07/98	4	6.182	5.941	7.	5.5	0.544	0.737	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/20/93-08/07/98	4	0.658	1.145	3.162	0.1	1.956	1.399	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/93-12/20/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/20/93-08/07/98	3	0.25	0.233	0.45	0.	0.051	0.225	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/20/93-08/07/98	4	36.	44.75	95.	12.	1602.917	40.036	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/20/93-08/07/98	4	0.085	0.113	0.24	0.04	0.009	0.095	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-08/07/98	3 ##	0.	5.	15.	0.	75.	8.66	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/21/96-08/21/96	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	12/20/93-08/07/98	4	0.65	0.775	1.2	0.6	0.083	0.287	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/20/93-08/07/98	4	17.5	31.25	90.	0.	1675.583	40.934	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	3	0.75	1	1	1.00				3	2	0.67			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	4	1.00	1	1	1.00				3	3	1.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00				3	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	4	3	0.75	1	0	0.00				3	3	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0084

NPS Station ID: VAFO0084
LAT/LON: 40.105559/ -75.465838
Agency: 112WRD
Date Created: 12/10/94
Location: SCHUYLKILL IMPOUNDING BASIN NO. 21
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 400620075275700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/94-06/23/94	1	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/94-06/23/94	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/94-06/23/94	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/94-06/23/94	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/94-06/23/94	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/94-06/23/94	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	06/23/94-06/23/94	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/23/94-06/23/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/94-06/23/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/23/94-06/23/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/23/94-06/23/94	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/23/94-06/23/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/23/94-06/23/94	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/23/94-06/23/94	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/23/94-06/23/94	1	23000.	23000.	23000.	23000.	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1	240.	240.	240.	240.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34450	NITROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1	200.	200.	200.	200.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1	200.	200.	200.	200.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	06/23/94-06/23/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/23/94-06/23/94	1 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/23/94-06/23/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/94-06/23/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/23/94-06/23/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/23/94-06/23/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/23/94-06/23/94	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/23/94-06/23/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/23/94-06/23/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/23/94-06/23/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0085

NPS Station ID: VAFO0085 | LAT/LON: 40.097698/ -75.465838 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: FISHERS RUN | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_FISH
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT FISHERS RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/89-07/17/98	16	16.	15.819	20.5	8.2	10.526	3.244	10.79	13.85	18.55	20.15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/89-07/17/98	7	148.	146.143	176.	122.	533.476	23.097	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/89-07/17/98	16	9.45	9.056	11.1	6.4	1.673	1.294	6.47	8.55	9.775	10.68
00403	PH, LAB, STANDARD UNITS SU	08/03/89-07/17/98	16	7.	7.125	8.	6.7	0.115	0.34	6.91	7.	7.	7.86
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/89-07/17/98	16	7.	7.041	8.	6.7	0.123	0.351	6.91	7.	7.	7.86
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/89-07/17/98	16	0.1	0.091	0.2	0.01	0.002	0.044	0.014	0.1	0.1	0.13
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/89-12/14/93	8 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/89-07/17/98	15 ##	0.	0.128	0.43	0.	0.025	0.158	0.	0.	0.25	0.406
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/89-07/17/98	12	54.	68.417	149.	19.	1973.538	44.425	20.2	29.5	103.	146.3
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/03/89-07/17/98	15	0.06	0.08	0.53	0.	0.018	0.133	0.	0.	0.08	0.302
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/06/93-07/17/98	5 ##	0.	2.26	10.	0.	19.038	4.363	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/06/93-07/09/97	6	52.5	167.5	800.	0.	98337.5	313.588	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/89-07/17/98	16	0.6	0.613	0.9	0.1	0.051	0.225	0.31	0.425	0.8	0.9
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/03/89-07/17/98	16	11.	29.994	100.	0.	1774.521	42.125	0.	0.925	79.25	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0085

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	16	0	0.00	5	0	0.00	1	0	0.00	10	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	16	0	0.00	5	0	0.00	1	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	5	0	0.00	1	0	0.00	10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	3	0	0.00				9	0	0.00			
		Drinking Water	250.	12	0	0.00	3	0	0.00				9	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	15	10	0.67	4	3	0.75	1	0	0.00	10	7	0.70			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	6	1	0.17	1	0	0.00	1	0	0.00	4	1	0.25			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	16	0	0.00	5	0	0.00	1	0	0.00	10	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	16	10	0.63	5	2	0.40	1	0	0.00	10	8	0.80			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/89-07/17/98	5	12.9	12.34	15.	8.2	6.643	2.577	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/89-07/17/98	5	9.5	9.34	11.1	6.5	3.148	1.774	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/89-07/17/98	5	7.	7.1	7.5	7.	0.05	0.224	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/89-07/17/98	5	7.	7.064	7.5	7.	0.052	0.227	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/89-07/17/98	5	0.1	0.086	0.1	0.032	0.001	0.031	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/89-07/17/98	5 ##	0.	0.078	0.39	0.	0.03	0.174	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/89-07/17/98	3	49.	60.667	107.	26.	1742.333	41.741	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/03/89-07/17/98	4	0.05	0.158	0.53	0.	0.063	0.251	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/89-07/17/98	5	0.6	0.58	0.8	0.4	0.022	0.148	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/03/89-07/17/98	5	1.	40.38	100.	0.	2962.272	54.427	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/89-07/17/98	1	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/89-07/17/98	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/89-07/17/98	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/89-07/17/98	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/89-07/17/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/89-07/17/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/03/89-07/17/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/89-07/17/98	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/03/89-07/17/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/89-07/17/98	10	17.	17.52	20.5	14.3	4.635	2.153	14.43	15.9	19.85	20.45
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/89-07/17/98	10	9.35	8.84	9.8	6.4	1.232	1.11	6.51	8.25	9.625	9.79
00403	PH, LAB, STANDARD UNITS SU	08/03/89-07/17/98	10	7.	7.15	8.	6.7	0.167	0.409	6.73	7.	7.2	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/89-07/17/98	10	7.	7.034	8.	6.7	0.182	0.427	6.73	7.	7.2	7.98
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/89-07/17/98	10	0.1	0.093	0.2	0.01	0.003	0.052	0.011	0.079	0.1	0.19
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/89-07/17/98	9	0.18	0.17	0.43	0.	0.023	0.152	0.	0.	0.285	0.43
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/89-07/17/98	9	59.	71.	149.	19.	2248.	47.413	19.	31.5	115.5	149.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/03/89-07/17/98	10	0.06	0.057	0.15	0.	0.003	0.051	0.	0.008	0.078	0.148
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/89-07/17/98	10	0.65	0.6	0.9	0.1	0.064	0.254	0.13	0.4	0.825	0.9
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	08/03/89-07/17/98	10	12.	27.8	100.	0.	1475.733	38.415	0.2	7.25	37.75	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0086

NPS Station ID: VAFO0086
LAT/LON: 40.075892/ -75.466337
Agency: 21PENN
Date Created: 10/25/78
Location: BR ON MILL RD UPSTM FR CONFLU W/
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LVA000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 18.700
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203001900.00
RF3 Mile Point: 0.54
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM LITTLE VALLEY CREEK - BRIDGE ON MILL ROAD (T 540) UPST M FROM CONFLUENCE WITH VALLEY CREEK

Parameter Inventory for Station: VAFO0086

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0087

NPS Station ID: VAFO0087 | LAT/LON: 40.096337/ -75.466477 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: COLONIAL SPRING | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_COLO
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT COLONIAL SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/89-07/12/98	8	12.7	13.375	17.4	10.5	7.051	2.655	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/89-07/12/98	5	141.	143.4	158.	127.	139.3	11.803	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/14/89-07/12/98	8	7.9	7.763	9.5	5.9	1.554	1.247	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/12/93-07/12/98	7	5.5	5.714	7.	5.	0.405	0.636	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/12/93-07/12/98	7	5.5	5.469	7.	5.	0.475	0.689	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/93-07/12/98	7	3.162	3.393	10.	0.1	10.073	3.174	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/89-07/19/95	6 ##	0.	5.833	35.	0.	204.167	14.289	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/89-07/09/97	8 ##	0.	0.079	0.27	0.	0.015	0.122	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/12/93-07/12/98	6	32.5	66.333	151.	13.	4261.467	65.28	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/14/89-07/12/98	8 ##	0.01	0.029	0.15	0.	0.003	0.051	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	05/12/93-07/12/98	5 ##	0.	3.	15.	0.	45.	6.708	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-07/09/97	6	0.	15.167	91.	0.	1380.167	37.151	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/14/89-07/12/98	8	1.15	1.85	6.	0.8	3.051	1.747	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/14/89-07/12/98	10	17.	35.51	100.	0.	2037.934	45.143	0.	0.075	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8	0	0.00	1	0	0.00				7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00							7	0	0.00			
		Other-Lo Lim.	6.5	7	6	0.86							7	6	0.86			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00							6	0	0.00			
		Drinking Water	250.	6	0	0.00							6	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	8	4	0.50	1	0	0.00				7	4	0.57			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	6	0	0.00	1	0	0.00				5	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	8	0	0.00	1	0	0.00				7	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	10	6	0.60	2	2	1.00				8	4	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0088

NPS Station ID: VAFO0088
LAT/LON: 40.094560/ -75.466837
Agency: 11NPSWRD
Date Created: 07/03/99
Location: COLONIAL SPRINGS
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI_CS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED INSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT COLONIAL SPRINGS. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/25/93-11/22/93	7	0.4	0.414	0.8	0.1	0.055	0.234	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/25/93-11/22/93	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/93-11/22/93	7	4.	4.286	7.	3.	1.905	1.38	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/25/93-11/22/93	6	87.	83.333	110.	40.	629.867	25.097	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/25/93-11/22/93	6	93.5	137.167	366.	80.	12702.567	112.706	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/93-11/22/93	6 ##	2.	5.333	20.	1.	55.467	7.448	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	06/24/93-11/22/93	4 ##	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/93-11/22/93	7 ##	0.01	0.016	0.03	0.01	0.	0.01	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/25/93-11/22/93	7 ##	0.002	0.003	0.006	0.002	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/93-11/22/93	7	2.	1.983	2.07	1.84	0.009	0.095	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/25/93-11/22/93	7 ##	0.1	0.116	0.21	0.1	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/25/93-11/22/93	7 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/25/93-11/22/93	7 ##	0.5	0.714	1.	0.5	0.071	0.267	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/93-11/22/93	6	32.	31.	34.	24.	12.8	3.578	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/25/93-11/22/93	7	4.7	4.643	5.1	4.2	0.133	0.364	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/25/93-11/22/93	7	2.8	2.771	3.1	2.5	0.049	0.221	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/93-11/22/93	7	25.	25.714	28.	24.	2.571	1.604	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/93-11/22/93	6	15.5	15.	16.	13.	1.6	1.265	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/25/93-11/22/93	7 ##	0.1	0.157	0.3	0.1	0.006	0.079	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/25/93-11/22/93	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/25/93-11/22/93	7 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/25/93-11/22/93	7 ##	5.	16.571	69.	5.	552.619	23.508	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/93-11/22/93	7	14.	44.571	242.	5.	7638.286	87.397	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/25/93-11/22/93	7 ##	2.	3.429	12.	2.	14.286	3.78	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/93-11/22/93	7	77.	75.	80.	68.	18.	4.243	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/25/93-11/22/93	7 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/25/93-11/22/93	7	21.	29.714	58.	14.	269.905	16.429	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/93-11/22/93	7	227.	477.429	1940.	186.	417832.619	646.4	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	05/25/93-11/22/93	7	50.	71.429	200.	10.	4314.286	65.683	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/25/93-11/22/93	7 ##	10.	8.571	10.	5.	5.952	2.44	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	05/25/93-11/22/93	7 ##	10.	7.857	10.	5.	7.143	2.673	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/25/93-11/22/93	7	0.2	0.257	0.5	0.1	0.03	0.172	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/93-11/22/93	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	3	0	0.00				4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	3	0	0.00				4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	250.	7	0	0.00	3	0	0.00				4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00				3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	5.	7	0	0.00	3	0	0.00				4	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	100.	7	0	0.00	3	0	0.00				4	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	3	0	0.00				4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	3	0	0.00				4	1	0.25			
		Drinking Water	1300.	7	0	0.00	3	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	15.	7	0	0.00	3	0	0.00				4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	100.	7	0	0.00	3	0	0.00				4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	5000.	7	0	0.00	3	0	0.00				4	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	7	0	0.00	3	0	0.00				4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00				4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	7	0	0.00	3	0	0.00				4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0089

NPS Station ID: VAFO0089
LAT/LON: 40.050809/ -75.467642
Agency: 11NPSWRD
Date Created: 07/03/99
Location: CRABBY CREEK AT WALNUT LANE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI_CC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT CRABBY CREEK AT WALNUT LANE. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	10	14.9	12.94	19.7	3.5	27.105	5.206	3.69	9.375	16.5	19.47
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	10	247.5	225.1	280.	61.	4496.767	67.058	71.9	203.75	272.5	280.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-12/14/94	9	9.2	9.567	12.	8.	1.34	1.158	8.	8.9	10.25	12.
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	18	0.4	0.55	1.6	0.1	0.144	0.379	0.19	0.2	0.8	1.06
00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	17 ##	5.	7.765	22.	5.	31.316	5.596	5.	5.	7.5	19.6
00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	9	7.79	7.796	7.9	7.71	0.004	0.065	7.71	7.755	7.845	7.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/28/94-12/14/94	9	7.79	7.791	7.9	7.71	0.004	0.065	7.71	7.755	7.845	7.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/94-12/14/94	9	0.016	0.016	0.019	0.013	0.	0.002	0.013	0.014	0.018	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	52.	49.278	56.	19.	76.918	8.77	37.9	47.5	54.	56.
00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	17	210.	200.235	258.	18.	3306.941	57.506	110.8	201.	235.	245.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	16	213.	203.813	256.	49.	2411.229	49.104	111.3	200.	230.	246.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	16	2.	8.438	85.	1.	426.929	20.662	1.	1.	7.	32.5
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	14 ##	0.2	0.193	0.4	0.1	0.005	0.073	0.1	0.175	0.2	0.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.01	0.014	0.08	0.01	0.	0.017	0.01	0.01	0.01	0.026
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.002	0.004	0.014	0.002	0.	0.004	0.002	0.002	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	17	4.11	3.666	4.6	1.24	1.051	1.025	1.44	3.685	4.24	4.408
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	18 ##	0.1	0.167	0.6	0.1	0.02	0.141	0.1	0.1	0.213	0.474
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	18	0.035	0.037	0.09	0.01	0.	0.019	0.019	0.02	0.04	0.072
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	18	1.	1.15	2.9	0.5	0.644	0.802	0.5	0.5	1.225	2.81
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	102.5	124.556	554.	23.	12175.556	110.343	66.2	93.5	108.25	203.9
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	4	20.4	20.025	25.	14.3	19.329	4.396	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	18	22.7	22.65	43.3	8.2	43.024	6.559	14.41	20.725	24.4	27.1
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	4	11.65	10.625	12.6	6.6	7.402	2.721	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	18	12.25	11.983	20.7	4.2	10.237	3.199	6.72	11.35	12.9	14.49

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	18	41.	37.944	47.	13.	78.173	8.842	17.5	37.25	42.	46.1
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	17	26.	27.353	57.	9.	95.993	9.798	15.4	24.	31.5	39.4
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	10 ##	0.1	0.59	5.	0.1	2.401	1.55	0.1	0.1	0.1	4.51
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	18 ##	0.1	0.103	0.15	0.1	0.	0.012	0.1	0.1	0.1	0.105
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	10 ##	2.	4.3	25.	2.	52.9	7.273	2.	2.	2.	22.7
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	8 ##	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	18 ##	2.	2.111	4.	2.	0.222	0.471	2.	2.	2.	2.2
01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	10 ##	5.	5.4	12.	2.	6.267	2.503	2.3	5.	5.	11.3
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	18 ##	5.	16.222	84.	5.	469.242	21.662	5.	5.	16.25	57.9
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	18	55.5	385.056	2662.	5.	661822.291	813.525	16.7	24.75	163.5	2480.2
01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	10	19.5	25.4	60.	5.	430.933	20.759	5.	5.	48.5	59.3
01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	10 ##	0.5	1.1	2.	0.5	0.6	0.775	0.5	0.5	2.	2.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	18 ##	2.	2.194	10.	0.5	4.916	2.217	0.5	0.5	2.	5.5
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	18 ##	5.	10.278	73.	5.	258.33	16.073	5.	5.	6.25	22.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	10 ##	5.	5.9	14.	5.	8.1	2.846	5.	5.	5.	13.1
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	10 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	18 ##	12.5	14.306	45.	12.5	58.681	7.66	12.5	12.5	12.5	15.75
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	10 ##	5.	7.7	21.	5.	33.789	5.813	5.	5.	7.75	20.5
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	18 ##	5.	9.889	27.	5.	47.399	6.885	5.	5.	12.25	24.3
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	18	201.	329.556	1420.	67.5	117562.467	342.874	67.5	135.	420.75	866.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	10	135.	137.15	185.	67.5	947.892	30.788	74.25	135.	144.75	183.9
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	8	600.	675.	1600.	300.	159285.714	399.106	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	8	120.	148.75	360.	10.	15926.786	126.201	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	8	60.	83.75	300.	10.	8512.5	92.263	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	4 ##	0.1	0.2	0.5	0.1	0.04	0.2	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	18 ##	0.1	0.156	0.5	0.1	0.014	0.12	0.1	0.1	0.125	0.41
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	18 ##	0.5	4.756	43.	0.	122.266	11.057	0.45	0.5	1.675	25.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	4	0	0.00				5	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00	4	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	4	0	0.00				5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	250.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9 &	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	5.	9 &	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	5.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	18	3	0.17	7	0	0.00	1	0	0.00	10	3	0.30			
		Drinking Water	1300.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	15.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	15.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	5000.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	5000.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	8	1	0.13	3	1	0.33				5	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00							4	0	0.00			
		Drinking Water	2.	4	0	0.00							4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	2.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0090

NPS Station ID: VAFO0090
LAT/LON: 40.112504/ -75.468060
Agency: 11131DWQ
Date Created: / /
Location: SCHUYLKILL R PAWLING RD BR
FIPS State/County: 42000 PENNSYLVANIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DEL 083 /083 /SCH 12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 18.560
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000315.47
RF3 Mile Point: 16.71
Distance from RF3: 0.29
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	1.56	1.56	1.56	1.56	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	13.3	13.3	13.3	13.3	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	1	25.	25.	25.	25.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0090

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0091

NPS Station ID: VAFO0091 | LAT/LON: 40.114976/ -75.468699 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: MEADOW GROVE SPRING | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NPS_MEAD
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT MEADOW GROVE SPRING. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/89-09/28/89	1	12.6	12.6	12.6	12.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/89-09/28/89	1	415.	415.	415.	415.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/28/89-09/28/89	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/28/89-09/28/89	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/28/89-09/28/89	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/89-09/28/89	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/89-09/28/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/89-09/28/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/89-09/28/89	1	100.	100.	100.	100.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/28/89-09/28/89	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/28/89-09/28/89	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/28/89-09/28/89	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0092

NPS Station ID: VAFO0092
LAT/LON: 40.102142/ -75.469003
Agency: 11NPSWRD
Date Created: 10/05/99
Location: SMIC RUN
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_SMIC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT SMIC RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/16/93-12/11/96	3	11.2	11.833	18.1	6.2	35.703	5.975	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-12/11/96	2	268.	268.	272.	264.	32.	5.657	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/16/93-12/11/96	3	9.2	9.767	11.2	8.9	1.563	1.25	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/16/93-12/11/96	3	7.5	7.667	8.	7.5	0.083	0.289	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/16/93-12/11/96	3	7.5	7.612	8.	7.5	0.088	0.296	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/16/93-12/11/96	3	0.032	0.024	0.032	0.01	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/16/93-12/16/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/93-12/11/96	3	0.27	0.197	0.32	0.	0.03	0.172	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/11/96-12/11/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/94-12/11/96	2	69.	69.	70.	68.	2.	1.414	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/16/93-12/11/96	3	0.19	0.2	0.35	0.06	0.021	0.145	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	12/11/96-12/11/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	12/11/96-12/11/96	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	12/16/93-12/11/96	3	0.4	0.533	0.9	0.3	0.103	0.321	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/16/93-12/11/96	3	11.	7.333	11.	0.	40.333	6.351	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0092

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	2	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	3	1.00	2	2	1.00				1	1	1.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	3	0	0.00	2	0	0.00				1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	3	2	0.67	2	1	0.50				1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0093

NPS Station ID: VAFO0093 | LAT/LON: 40.101170/ -75.469003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: VALLEY FORGE VILLAGE RUN | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_VAFO
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED INSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY FORGE VILLAGE RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/93-07/06/98	14	18.55	17.25	28.5	6.3	50.372	7.097	6.45	9.625	22.3	26.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/27/94-07/06/98	6	183.5	189.667	243.	161.	809.467	28.451	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/93-07/06/98	14	9.7	9.593	12.5	5.4	3.751	1.937	6.6	8.15	11.275	12.05
00403	PH, LAB, STANDARD UNITS SU	04/06/93-07/06/98	14	7.5	7.5	8.	7.	0.077	0.277	7.	7.5	7.5	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	04/06/93-07/06/98	14	7.5	7.417	8.	7.	0.084	0.29	7.	7.5	7.5	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/93-07/06/98	14	0.032	0.038	0.1	0.01	0.001	0.027	0.01	0.032	0.032	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/06/93-12/14/93	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/93-07/06/98	12 ##	0.145	0.243	0.86	0.	0.083	0.288	0.	0.	0.475	0.755
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/09/96-12/09/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/93-07/06/98	12	63.5	68.083	212.	24.	2494.447	49.944	26.1	32.25	78.	174.2
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/06/93-07/06/98	13	0.06	0.105	0.58	0.	0.025	0.159	0.	0.	0.15	0.432
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	04/06/93-07/06/98	4	0.98	3.74	13.	0.	38.392	6.196	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/06/93-07/11/97	6	250.	283.333	700.	0.	101666.667	318.852	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/06/93-07/06/98	13	0.5	0.454	0.8	0.1	0.036	0.19	0.14	0.35	0.55	0.76
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	04/06/93-07/06/98	14	9.5	28.714	100.	0.	1582.681	39.783	0.	0.	47.5	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0093

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	14	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	14	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	4	0	0.00				8	0	0.00			
		Drinking Water	250.	12	0	0.00	4	0	0.00				8	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	13	8	0.62	5	3	0.60	1	0	0.00	7	5	0.71			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	6	3	0.50	2	1	0.50	1	1	1.00	3	1	0.33			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	13	0	0.00	5	0	0.00	1	0	0.00	7	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	14	10	0.71	5	3	0.60	1	0	0.00	8	7	0.88			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0094

NPS Station ID: VAFO0094
LAT/LON: 40.106392/ -75.468893
Agency: 11121XWQ
Date Created: 05/13/89
Location: SCHUYLKILL RIVER AT NORRISTOWN POOL
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): S106
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 13.40
On/Off RF1:
RF3 Index: 02040203039600.00
RF3 Mile Point: 4.05
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/11/86-06/11/86	4	1.19	1.135	1.48	0.68	0.122	0.349	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	06/11/86-06/11/86	4	14.5	14.125	15.9	11.6	4.229	2.056	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/11/86-06/11/86	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
30385	BUTACHLOR MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
30386	CHLORBENZILATE MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
30387	TRIPHENYL PHOSPHATE MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	06/11/86-06/11/86	4 ##	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	06/11/86-06/11/86	4 ##	0.006	0.037	0.133	0.003	0.004	0.064	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
38824	ISOPROPALIN TISWETWGTMG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	06/11/86-06/11/86	4 ##	0.034	0.054	0.146	0.003	0.005	0.068	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	06/11/86-06/11/86	4 ##	0.025	0.035	0.086	0.003	0.002	0.04	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	06/11/86-06/11/86	4	0.03	0.054	0.15	0.007	0.004	0.067	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/11/86-06/11/86	4 ##	0.008	0.007	0.01	0.003	0.	0.003	**	**	**	**
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	06/11/86-06/11/86	4 ##	6.075	6.075	9.15	3.	12.608	3.551	**	**	**	**
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/11/86-06/11/86	4	0.455	0.413	0.54	0.2	0.026	0.163	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/11/86-06/11/86	4 ##	1.613	2.446	5.09	1.47	3.111	1.764	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/11/86-06/11/86	4	0.095	0.09	0.12	0.05	0.001	0.036	**	**	**	**
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
78902	MONOCHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4 ##	0.005	0.005	0.01	0.001	0.	0.005	**	**	**	**
78903	DICHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4 ##	0.005	0.008	0.02	0.001	0.	0.009	**	**	**	**
78904	TRICHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4	0.027	0.058	0.18	0.001	0.007	0.084	**	**	**	**
78905	TETRACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4	0.32	0.357	0.78	0.006	0.162	0.402	**	**	**	**
78906	PENTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4	0.485	0.56	1.24	0.03	0.384	0.619	**	**	**	**
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4	0.36	0.615	1.71	0.03	0.621	0.788	**	**	**	**
78908	HEPTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4	0.075	0.144	0.42	0.005	0.038	0.194	**	**	**	**
78909	OCTACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4 ##	0.001	0.003	0.009	0.001	0.	0.004	**	**	**	**
78911	DECACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	06/11/86-06/11/86	4 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	06/11/86-06/11/86	4 ##	0.037	0.067	0.19	0.003	0.008	0.088	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	06/11/86-06/11/86	4 ##	0.007	0.007	0.01	0.003	0.	0.004	**	**	**	**
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/11/86-06/11/86	4	5.	4.75	5.	4.	0.25	0.5	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	06/11/86-06/11/86	4	1.	1.	1.	1.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
82571	ALACHLOR(LASSO) IN TISSUE MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
85682	NITROFEN TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.012	0.012	0.018	0.007	0.	0.006	**	**	**	**
85683	PERTHANE TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.006	0.006	0.009	0.003	0.	0.003	**	**	**	**
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	06/11/86-06/11/86	4 ##	0.023	0.024	0.036	0.013	0.	0.013	**	**	**	**

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********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0095

NPS Station ID: VAFO0095 LAT/LON: 40.114448/ -75.470559 Agency: 112WRD Date Created: 02/24/96
Location: SCHUYLKILL RIVER AT PAWLINGS RD AT VALLEY FORGE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400652075281400
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/95-04/17/95	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/95-04/17/95	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/95-04/17/95	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/95-04/17/95	1	7.95	7.95	7.95	7.95	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/95-04/17/95	1	7.95	7.95	7.95	7.95	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/95-04/17/95	1	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/95-04/17/95	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	04/17/95-04/17/95	2	34.5	34.5	41.	28.	84.5	9.192	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/17/95-04/17/95	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/95-04/17/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/95-04/17/95	2	30.	30.	30.	30.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/17/95-04/17/95	2	29.	29.	34.	24.	50.	7.071	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/17/95-04/17/95	2	40.	40.	40.	40.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/95-04/17/95	2	765.	765.	1100.	430.	224450.	473.762	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/17/95-04/17/95	2	120.	120.	130.	110.	200.	14.142	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/17/95-04/17/95	2	14000.	14000.	16000.	12000.	8000000.	2828.427	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	200.	200.	300.	100.	20000.	141.421	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	2	650.	650.	900.	400.	125000.	353.553	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	04/17/95-04/17/95	2 ##	490.	490.	780.	200.	168200.	410.122	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	2 ##	150.	150.	200.	100.	5000.	70.711	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	580.	580.	960.	200.	288800.	537.401	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2	805.	805.	1300.	310.	490050.	700.036	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	395.	395.	590.	200.	76050.	275.772	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34445	NAPHTHALENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2	715.	715.	1200.	230.	470450.	685.894	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2	690.	690.	1100.	280.	336200.	579.828	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	385.	385.	570.	200.	68450.	261.63	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	550.	550.	900.	200.	245000.	494.975	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	04/17/95-04/17/95	2 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/17/95-04/17/95	2 ##	300.	300.	300.	300.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	04/17/95-04/17/95	2	420.	420.	450.	390.	1800.	42.426	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/17/95-04/17/95	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2	1.7	1.7	2.2	1.2	0.5	0.707	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2	1.3	1.3	1.6	1.	0.18	0.424	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/17/95-04/17/95	2	2.25	2.25	2.3	2.2	0.005	0.071	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/17/95-04/17/95	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	04/17/95-04/17/95	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	04/17/95-04/17/95	2 ##	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	7.25	7.25	14.	0.5	91.125	9.546	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	04/17/95-04/17/95	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	04/17/95-04/17/95	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/17/95-04/17/95	2	0.06	0.06	0.08	0.04	0.001	0.028	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	04/17/95-04/17/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0096

NPS Station ID: VAFO0096
LAT/LON: 40.069587/ -75.471032
Agency: 11NPSWRD
Date Created: 10/05/99
Location: LITTLE VALLEY CREEK NEAR MILL ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_CHS_VC2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM LITTLE VALLEY CREEK JUST ABOVE THE CONFLUENCE WITH VALLEY CREEK NEAR MILL ROAD. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/03/72-10/08/92	5	18.	25.8	61.	15.	388.7	19.715	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/08/92	5	13.3	13.78	17.	10.6	5.702	2.388	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-09/28/89	4	20.	20.125	23.6	16.9	10.169	3.189	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/03/72-10/08/92	5	1.2	1.42	2.7	0.6	0.617	0.785	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/08/92	5	7.	10.4	18.	6.	32.3	5.683	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/08/92	5	0.6	0.58	0.9	0.4	0.042	0.205	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/86-10/08/92	2 ##	5.	5.	10.	0.	50.	7.071	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-10/07/92	6	552.5	558.333	610.	510.	1226.667	35.024	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/03/72-10/07/92	6	11.25	11.417	13.	10.	1.042	1.021	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/03/72-10/07/92	6	7.85	7.792	8.3	7.05	0.174	0.418	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/03/72-10/07/92	6	7.847	7.595	8.3	7.05	0.221	0.47	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/03/72-10/07/92	6	0.014	0.025	0.089	0.005	0.001	0.032	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-10/07/92	6	148.	142.667	150.	120.	138.667	11.776	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/28/89	5	0.031	0.137	0.6	0.005	0.067	0.259	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/07/92	6	2.9	2.967	5.1	1.25	1.658	1.288	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-10/07/92	6	0.44	0.517	1.	0.19	0.085	0.291	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/83	2	25.	25.	47.	3.	968.	31.113	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/03/83-09/29/86	2 ##	107.5	107.5	200.	15.	17112.5	130.815	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/29/86	4	115.	260.	720.	90.	94333.333	307.137	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/03/83-09/29/86	2 ##	62.5	62.5	100.	25.	2812.5	53.033	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/83-09/29/86	2	40.	40.	70.	10.	1800.	42.426	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/03/83-09/29/86	2 ##	62.5	62.5	100.	25.	2812.5	53.033	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/08/92	6	1.	1.017	2.	0.4	0.29	0.538	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-10/07/92	5	2750.	2692.	4800.	610.	2477570.	1574.03	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-10/07/92	6	267.5	272.5	540.	100.	21997.5	148.316	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-10/07/92	6	502.5	1172.	4900.	167.	3387042.	1840.392	**	**	**	**
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/03/72-10/08/92	6	11.	11.	18.	6.	19.2	4.382	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-10/08/92	6	1.655	1.393	1.84	0.37	0.339	0.582	**	**	**	**
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	09/28/89-09/28/89	1	278.	278.	278.	278.	0.	0.	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-09/28/89	3	2.	24.333	70.	1.	1564.333	39.552	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0096

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	6	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	0	0.00	6	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	2	1	0.50									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	1	0.50	2	1	0.50									
		Drinking Water	15.	1 &	1	1.00	1	1	1.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	1	0.50	2	1	0.50									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	6	5	0.83	6	5	0.83									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0097

NPS Station ID: VAFO0097
LAT/LON: 40.114726/ -75.471115
Agency: 112WRD
Date Created: 03/16/79
Location: SCHUYLKILL R NEAR VALLEY FORGE, PA.
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01473152
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203003
RF1 Mile Point: 19.900
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203085700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/78-12/19/78	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/78-12/19/78	1	325.	325.	325.	325.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/19/78-12/19/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/19/78-12/19/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/78-12/19/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/19/78-12/19/78	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/19/78-12/19/78	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/19/78-12/19/78	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/19/78-12/19/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/19/78-12/19/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/19/78-12/19/78	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-12/19/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-12/19/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/19/78-12/19/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/19/78-12/19/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/19/78-12/19/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/19/78-12/19/78	1	96.	96.	96.	96.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/19/78-12/19/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/19/78-12/19/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/19/78-12/19/78	1	130.	130.	130.	130.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/19/78-12/19/78	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/19/78-12/19/78	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00	1	1	1.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00	1	1	1.00									
		Drinking Water	15.	1	1	1.00	1	1	1.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0098

NPS Station ID: VAFO0098
LAT/LON: 40.104670/ -75.471531
Agency: 11NPSWRD
Date Created: 10/05/99
Location: WELCH RUN
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_WELC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT WELCH RUN. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/89-07/13/98	14	16.75	15.271	19.9	6.4	20.725	4.553	7.1	11.025	19.175	19.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/89-07/13/98	6	274.5	269.833	292.	245.	312.567	17.68	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/89-07/13/98	14	9.4	9.686	11.7	8.3	1.141	1.068	8.35	8.975	10.55	11.55
00403	PH, LAB, STANDARD UNITS SU	09/22/93-07/13/98	13	7.5	7.669	9.	7.5	0.181	0.425	7.5	7.5	7.6	8.6
00403	CONVERTED PH, LAB, STANDARD UNITS	09/22/93-07/13/98	13	7.5	7.573	9.	7.5	0.191	0.437	7.5	7.5	7.6	8.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/22/93-07/13/98	13	0.032	0.027	0.032	0.001	0.	0.01	0.005	0.026	0.032	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/89-07/27/95	6 ##	0.	112.833	677.	0.	76388.167	276.384	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/07/89-07/13/98	13	0.26	0.207	0.49	0.	0.033	0.182	0.	0.	0.35	0.458
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/89-07/13/98	13	70.	81.231	188.	21.	2250.692	47.441	28.6	48.	108.5	172.4
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/07/89-07/13/98	14	0.065	0.12	0.51	0.	0.021	0.144	0.	0.03	0.14	0.43
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/22/95-07/13/98	5 ##	0.	1.	5.	0.	5.	2.236	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/22/93-07/11/97	4	1.5	75.75	300.	0.	22350.917	149.502	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	09/07/89-07/13/98	14	1.2	1.279	2.9	0.6	0.274	0.524	0.75	1.05	1.4	2.2
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	09/07/89-07/13/98	14	14.	24.15	100.	0.	933.915	30.56	0.	0.075	39.5	86.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	14	0	0.00	7	0	0.00				7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	1	0.08	6	1	0.17				7	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	6	0	0.00				7	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	6	0	0.00				7	0	0.00			
		Drinking Water	250.	13	0	0.00	6	0	0.00				7	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	14	11	0.79	7	4	0.57				7	7	1.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	4	1	0.25	2	1	0.50				2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	14	0	0.00	7	0	0.00				7	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	14	10	0.71	7	3	0.43				7	7	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0099

NPS Station ID: VAFO0099 LAT/LON: 40.067198/ -75.471893 Agency: 11NPSWRD Date Created: 07/03/99
Location: LITTLE VALLEY CREEK STATION 7 (TOWNSHIP PARK) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_LVC_7
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT TOWNSHIP PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	510.	510.	510.	510.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0099

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0100

NPS Station ID: VAFO0100 LAT/LON: 40.067032/ -75.472281 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 446 AT LITTLE VALLEY CK AT MILL ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_446
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 446 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF LITTLE VALLEY CREEK AND MILL ROAD. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	29	11.5	11.979	23.2	3.3	21.453	4.632	6.2	7.8	15.1	18.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	22	13.5	14.159	35.	-2.7	80.103	8.95	7.72	9.5	20.	27.25
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	30	422.5	432.333	603.	332.	3231.264	56.844	347.5	408.75	450.	512.6
00300	OXYGEN, DISSOLVED MG/L	06/09/83-10/20/97	27	10.6	11.104	16.7	8.5	3.7	1.924	9.12	9.6	12.	14.1
00335	COD, .025N K2CR2O7 MG/L	11/09/71-03/17/97	31 ##	2.5	3.855	15.	2.5	11.537	3.397	2.5	2.5	2.5	11.4
00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	30	8.	8.047	8.7	7.6	0.052	0.227	7.8	7.9	8.125	8.39
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/71-03/17/97	30	8.	7.996	8.7	7.6	0.054	0.233	7.8	7.9	8.125	8.39
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-03/17/97	30	0.01	0.01	0.025	0.002	0.	0.005	0.004	0.008	0.013	0.016
00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	15	7.98	7.819	8.7	6.72	0.306	0.553	6.858	7.66	8.15	8.526
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/90-10/20/97	15	7.98	7.453	8.7	6.72	0.45	0.671	6.858	7.66	8.15	8.526
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/90-10/20/97	15	0.01	0.035	0.191	0.002	0.003	0.054	0.003	0.007	0.022	0.144
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/09/83-03/17/97	28	159.5	162.607	219.	126.	608.692	24.672	131.5	144.	173.	199.5
00612	AMMONIA, UNIONZED (MG/L AS N)	11/09/71-03/17/97	29	0.01	0.036	0.41	0.005	0.006	0.077	0.005	0.005	0.035	0.11
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/09/71-03/17/97	30 ##	0.005	0.012	0.09	0.005	0.	0.019	0.005	0.005	0.006	0.029
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/09/83-03/17/97	28	0.125	0.156	0.53	0.005	0.022	0.147	0.005	0.04	0.263	0.386
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/09/71-03/17/97	30	2.11	2.466	14.95	0.03	5.892	2.427	1.528	1.735	2.4	2.845
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/09/71-03/17/97	30 ##	0.005	0.02	0.18	0.005	0.002	0.042	0.005	0.005	0.006	0.058
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/09/83-03/17/97	28	222.	216.964	262.	144.	580.925	24.102	182.5	204.75	230.75	245.5
00929	SODIUM, TOTAL (MG/L AS NA)	11/09/71-03/17/97	30	32.	33.674	70.	10.	149.983	12.247	19.55	25.975	39.58	50.
00937	POTASSIUM, TOTAL MG/L AS K)	11/09/71-03/17/97	29	2.4	3.616	18.	0.6	13.888	3.727	1.6	2.	3.65	8.
00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-03/17/97	30	45.	45.967	98.	27.	213.137	14.599	30.2	36.25	51.	65.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-03/17/97	30	36.5	37.7	50.	30.	21.872	4.677	33.	34.75	39.25	45.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/09/83-03/17/97	28	0.11	0.128	0.4	0.02	0.006	0.08	0.039	0.073	0.175	0.24
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	30 ##	5.	14.667	200.	5.	1525.747	39.061	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	11/09/71-03/17/97	30 ##	60.	192.667	900.	60.	50254.713	224.176	60.	60.	247.5	580.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/71-03/17/97	30 ##	25.	38.5	200.	25.	1450.259	38.082	25.	25.	25.	100.
01092	ZINC, TOTAL (UG/L AS ZN)	11/09/71-03/17/97	30 ##	10.	10.4	22.	10.	4.8	2.191	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	11/09/71-06/20/88	6	4600.	21211.667	68000.	520.	873656816.667	29557.686	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	11/09/71-06/20/88	6	3.663	3.717	4.833	2.716	0.831	0.911	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			5217.123								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	31	260.	33444.903	1000000.	0.532	200307760.54	179444.442	12.	30.	810.	1440.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/09/71-03/17/97	31	2.415	2.28	6.	-0.301	1.435	1.198	1.06	1.477	2.908	3.153
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			190.632								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/09/71-03/17/97	31	140.	520.242	6400.	0.5	1374707.298	1172.479	2.4	40.	630.	964.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/09/71-03/17/97	31	2.146	2.01	3.806	-0.301	1.019	1.01	-0.041	1.602	2.799	2.982
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			102.256								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	11/09/71-03/17/97	29 ##	0.005	0.025	0.22	0.005	0.002	0.046	0.005	0.005	0.02	0.06
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/09/83-03/17/97	28	3.5	4.645	16.	0.25	19.302	4.393	0.5	2.	6.	13.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	30	297.5	295.867	353.	187.	1095.913	33.105	257.6	279.5	317.75	333.6
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	19	0.5	0.813	2.7	0.05	0.664	0.815	0.1	0.2	1.	2.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0100

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	27	0	0.00	7	0	0.00	7	0	0.00	13	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	30	1	0.03	9	1	0.11	7	0	0.00	14	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
		Drinking Water	250.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	28	0	0.00	7	0	0.00	7	0	0.00	14	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00	1	1	1.00				1	1	1.00			
		Drinking Water	5.	2 &	2	1.00	1	1	1.00				1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
		Drinking Water	5000.	30	0	0.00	9	0	0.00	7	0	0.00	14	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	6	4	0.67	3	2	0.67				3	2	0.67			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	31	17	0.55	10	5	0.50	7	0	0.00	14	12	0.86			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	9	11.5	11.644	15.2	6.1	6.478	2.545	6.1	11.05	13.5	15.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	9	14.	12.678	20.	-2.	40.172	6.338	9.5	5.	16.75	20.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	10	432.5	431.1	460.	400.	363.211	19.058	401.	417.5	447.	459.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	7	6.5	6.414	8.1	3.3	2.355	1.535	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	5	8.	5.78	9.5	-2.7	23.627	4.861	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	6	420.	426.667	603.	332.	9858.267	99.289	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	13	15.	15.208	23.2	9.5	15.121	3.889	9.94	11.75	18.05	21.52
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	8	21.5	21.063	35.	9.	73.46	8.571	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	14	415.	435.643	540.	345.	3137.324	56.012	357.5	403.75	488.75	527.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0101

NPS Station ID: VAFO0101
LAT/LON: 40.067032/ -75.472142
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 9 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_09
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK UPSTREAM FROM THE BRIDGE AT THE POINT WHERE MILL ROAD CROSSES LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	162.	162.	162.	162.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0102

NPS Station ID: VAFO0102
LAT/LON: 40.066920/ -75.472170
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4D AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_4D
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4D IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MILL ROAD BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	455.	455.	455.	455.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	306.	306.	306.	306.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	3.74	3.74	3.74	3.74	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	45.	45.	45.	45.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	750.	750.	750.	750.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00							1	1	1.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0103

NPS Station ID: VAFO0103 | LAT/LON: 40.067032/ -75.472198 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 8 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_ABI74_8
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 15 YARDS UPSTREAM FROM THE MILL ROAD BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	1	190.	190.	190.	190.	0.	0.	**	**	**	**
45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0104

NPS Station ID: VAFO0104
LAT/LON: 40.067003/ -75.472170
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI75_5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 10 YARDS UPSTREAM OF THE MILL ROAD BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE IMPACT OF VARIOUS INDUSTRIAL WASTE DISCHARGES ON VALLEY AND LITTLE VALLEY CREEKS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	442.	442.	442.	442.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	1	322.	322.	322.	322.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	4.18	4.18	4.18	4.18	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	1	230.	230.	230.	230.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	1	170.	170.	170.	170.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0105

NPS Station ID: VAFO0105
LAT/LON: 40.067003/ -75.472226
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 8 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_8
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MILL ROAD BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	355.	355.	355.	355.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.062	0.062	0.062	0.062	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	2.76	2.76	2.76	2.76	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	46.4	46.4	46.4	46.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	450.	450.	450.	450.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	270.	270.	270.	270.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0106

NPS Station ID: VAFO0106 LAT/LON: 40.070142/ -75.472309 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 434 AT VALLEY CREEK AT MILL ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_434
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 434 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF VALLEY CREEK AND MILL ROAD. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	40	11.9	11.833	24.3	0.	27.309	5.226	6.12	8.025	15.075	18.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	29	14.	12.024	23.	-9.	74.376	8.624	5.	3.5	18.4	23.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	39	445.	447.051	608.	275.	6229.155	78.925	340.	390.	510.	546.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-08/05/85	11	539.	539.364	615.	429.	2287.455	47.827	443.2	529.	567.	608.6
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	37	10.5	11.084	19.6	5.3	5.918	2.433	9.08	9.6	12.1	14.04
00335	COD, .025N K2CR2O7 MG/L	09/03/70-03/17/97	42 ##	2.5	4.079	25.5	2.	22.101	4.701	2.5	2.5	2.5	9.4
00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	40	8.1	8.032	8.6	7.2	0.061	0.246	7.7	7.9	8.175	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/71-03/17/97	40	8.1	7.95	8.6	7.2	0.068	0.26	7.7	7.9	8.175	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-03/17/97	40	0.008	0.011	0.063	0.003	0.	0.01	0.005	0.007	0.013	0.02
00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	16	8.07	7.929	8.69	6.82	0.254	0.504	6.988	7.578	8.238	8.487
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/90-10/20/97	16	8.064	7.603	8.69	6.82	0.367	0.606	6.988	7.577	8.237	8.487
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/90-10/20/97	16	0.009	0.025	0.151	0.002	0.002	0.04	0.003	0.006	0.027	0.106
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	38	193.5	185.447	266.	24.	2505.93	50.059	123.9	183.75	200.	242.5
00612	AMMONIA, UNIONZED (MG/L AS N)	09/03/70-03/17/97	40	0.04	0.066	0.29	0.005	0.005	0.071	0.005	0.005	0.113	0.178
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/70-03/17/97	37	0.01	0.022	0.14	0.005	0.001	0.028	0.005	0.005	0.03	0.052
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	38	0.19	0.228	0.75	0.005	0.039	0.197	0.005	0.07	0.295	0.563
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/03/70-03/17/97	41	2.03	2.442	12.84	1.19	4.247	2.061	1.572	1.765	2.21	2.666
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/70-03/17/97	41	0.01	0.026	0.41	0.005	0.004	0.064	0.005	0.005	0.025	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	38	246.	236.421	309.	79.	1771.602	42.09	166.9	226.75	260.25	274.1
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/70-03/17/97	41	30.	32.6	75.	10.	192.75	13.883	17.52	22.	40.86	53.2
00937	POTASSIUM, TOTAL MG/L AS K)	09/03/70-03/17/97	41	4.	5.333	29.	0.2	24.861	4.986	2.	2.95	5.82	12.3
00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/70-03/17/97	41	40.	38.561	62.	17.	112.302	10.597	25.	29.	45.5	51.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/03/70-03/17/97	41	34.	36.317	55.	27.	37.672	6.138	30.2	31.5	39.5	45.8
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	38	0.07	0.084	0.66	0.01	0.01	0.1	0.039	0.05	0.09	0.101

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	40 ##	5.	8.688	100.	5.	227.56	15.085	5.	5.	5.	12.5
01045	IRON, TOTAL (UG/L AS FE)	09/03/70-03/17/97	41	140.	350.	2200.	60.	224165.	473.461	60.	60.	475.	1038.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/03/70-03/17/97	41 ##	25.	77.805	600.	25.	15055.061	122.699	25.	25.	100.	188.
01092	ZINC, TOTAL (UG/L AS ZN)	09/03/70-03/17/97	41 ##	10.	10.098	14.	10.	0.39	0.625	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	09/03/70-06/20/88	13	2800.	5363.308	28000.	63.	59977888.897	7744.539	137.8	605.	5550.	22400.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	09/03/70-06/20/88	13	3.447	3.319	4.447	1.799	0.52	0.721	2.039	2.775	3.733	4.327
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			2084.427								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	41	350.	28078.488	1000000.	0.524	555844383.894	156703.045	12.	75.	880.	2700.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/09/71-03/17/97	41	2.544	2.444	6.	-0.301	1.317	1.148	1.06	1.874	2.943	3.43
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			277.81								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	41	230.	1296.92	32000.	0.2	24856744.106	4985.654	10.	60.	820.	1366.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	41	2.362	2.262	4.505	-0.699	0.944	0.972	1.	1.778	2.914	3.134
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			182.698								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/03/70-03/17/97	40	0.02	0.03	0.34	0.005	0.003	0.053	0.005	0.005	0.03	0.059
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	38	10.	18.651	98.	0.25	502.519	22.417	1.	5.	24.25	55.3
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	40	311.	306.125	381.	163.	1328.061	36.443	258.9	299.5	328.25	336.9
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	21	0.7	1.036	3.2	0.05	0.815	0.903	0.2	0.325	1.525	2.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	37	0	0.00	9	0	0.00	10	0	0.00	18	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	40	0	0.00	11	0	0.00	10	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	40	0	0.00	11	0	0.00	10	0	0.00	19	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	16	0	0.00	7	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	7	0	0.00	3	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	11	0	0.00	9	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	41	1	0.02	12	1	0.08	10	0	0.00	19	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	41	0	0.00	12	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	250.	41	0	0.00	12	0	0.00	10	0	0.00	19	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	41	0	0.00	12	0	0.00	10	0	0.00	19	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	38	0	0.00	9	0	0.00	10	0	0.00	19	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	41	0	0.00	12	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	5000.	41	0	0.00	12	0	0.00	10	0	0.00	19	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	13	9	0.69	5	2	0.40	2	1	0.50	6	6	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	41	25	0.61	12	5	0.42	10	3	0.30	19	17	0.89			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	12	11.5	11.4	15.1	6.5	6.325	2.515	6.95	10.125	12.875	15.07
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	11	15.	12.918	16.8	-2.	29.732	5.453	6.8	12.	16.	16.78
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	12	438.	452.667	603.	390.	4294.97	65.536	390.	395.	476.25	585.9
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	9	9.9	9.5	10.9	5.3	2.81	1.676	5.3	9.3	10.45	10.9
00335	COD, .025N K2CR2O7 MG/L	09/03/70-03/17/97	13 ##	2.5	5.154	25.5	2.	42.391	6.511	2.	2.5	5.	19.3
00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	11	8.1	8.036	8.3	7.7	0.041	0.201	7.7	7.9	8.1	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/71-03/17/97	11	8.1	7.991	8.3	7.7	0.043	0.207	7.7	7.9	8.1	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-03/17/97	11	0.008	0.01	0.02	0.005	0.	0.005	0.005	0.008	0.013	0.02
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	9	195.	199.667	255.	139.	1111.5	33.339	139.	188.5	220.5	255.
00612	AMMONIA, UNIONZED (MG/L AS N)	09/03/70-03/17/97	11	0.03	0.081	0.29	0.005	0.01	0.1	0.005	0.005	0.18	0.274
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/70-03/17/97	11	0.01	0.029	0.14	0.005	0.002	0.046	0.005	0.005	0.02	0.132
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	9	0.19	0.238	0.75	0.005	0.069	0.262	0.005	0.018	0.42	0.75
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/03/70-03/17/97	12	2.095	3.581	12.84	1.57	13.185	3.631	1.6	1.805	2.828	11.832
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/70-03/17/97	12	0.01	0.05	0.41	0.005	0.013	0.114	0.005	0.005	0.038	0.302
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	9	246.	237.667	273.	148.	1280.25	35.781	148.	236.5	253.5	273.
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/70-03/17/97	12	22.	26.677	58.	10.	228.1	15.103	10.	16.14	37.5	55.
00937	POTASSIUM, TOTAL MG/L AS K)	09/03/70-03/17/97	12	3.25	3.628	8.	0.2	4.454	2.111	0.74	2.498	4.075	7.73
00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/70-03/17/97	12	36.	34.583	51.	19.	87.538	9.356	20.8	27.	42.5	48.9
00945	SULFATE, TOTAL (MG/L AS SO4)	09/03/70-03/17/97	12	34.	35.417	47.	28.	30.447	5.518	28.9	31.25	39.75	45.5
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	9	0.05	0.12	0.66	0.03	0.041	0.203	0.03	0.04	0.075	0.66
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	11 ##	5.	5.682	12.5	5.	5.114	2.261	5.	5.	5.	11.
01045	IRON, TOTAL (UG/L AS FE)	09/03/70-03/17/97	12 ##	80.	264.167	1100.	60.	99662.879	315.694	60.	60.	465.	920.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/03/70-03/17/97	12 ##	25.	140.	600.	25.	43290.909	208.065	25.	25.	245.	570.
01092	ZINC, TOTAL (UG/L AS ZN)	09/03/70-03/17/97	12 ##	10.	10.333	14.	10.	1.333	1.155	10.	10.	10.	12.8
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	12	151.	254.75	800.	20.	62905.295	250.809	20.	32.5	411.25	731.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/09/71-03/17/97	12	2.179	2.129	2.903	1.301	0.335	0.579	1.301	1.508	2.613	2.859
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			134.709								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	13	224.	391.077	1630.	6.	217906.41	466.804	27.6	139.	475.	1406.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	13	2.35	2.311	3.212	0.778	0.359	0.599	1.178	2.142	2.641	3.139
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			204.847								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/03/70-03/17/97	11	0.03	0.054	0.34	0.005	0.009	0.097	0.005	0.005	0.06	0.284
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	9	5.	8.444	30.	1.	85.278	9.235	1.	3.	12.5	30.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	11	309.	298.091	329.	245.	794.691	28.19	247.6	267.	316.	328.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	10	6.4	5.35	9.	0.	10.141	3.184	0.	2.475	7.425	8.91
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	8	7.	2.013	8.5	-9.	38.244	6.184	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	9	400.	398.222	608.	275.	10403.944	102.	275.	310.	442.5	608.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	10	13.05	12.8	14.2	11.	1.149	1.072	11.06	11.75	13.775	14.18
00335	COD, .025N K2CR2O7 MG/L	09/03/70-03/17/97	10 ##	2.5	3.95	11.5	2.5	10.025	3.166	2.5	2.5	3.875	11.15
00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	10	8.15	8.08	8.6	7.2	0.148	0.385	7.26	7.875	8.325	8.58
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/71-03/17/97	10	8.147	7.881	8.6	7.2	0.192	0.439	7.26	7.875	8.325	8.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-03/17/97	10	0.007	0.013	0.063	0.003	0.	0.018	0.003	0.005	0.013	0.058
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	194.	185.1	247.	35.	3188.767	56.469	49.5	183.75	208.5	244.8
00612	AMMONIA, UNIONZED (MG/L AS N)	09/03/70-03/17/97	10	0.06	0.077	0.22	0.005	0.005	0.073	0.005	0.009	0.13	0.211
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/70-03/17/97	9 ##	0.005	0.012	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.14	0.15	0.34	0.005	0.01	0.098	0.01	0.08	0.223	0.329
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/03/70-03/17/97	10	2.12	2.077	2.3	1.76	0.04	0.201	1.761	1.913	2.248	2.3
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/70-03/17/97	10 ##	0.005	0.013	0.05	0.005	0.	0.015	0.005	0.005	0.02	0.047
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	258.5	237.3	275.	79.	3456.011	58.788	93.1	226.75	273.25	274.9
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/70-03/17/97	10	30.8	34.172	56.	17.4	168.625	12.986	17.86	22.	46.5	55.2
00937	POTASSIUM, TOTAL MG/L AS K)	09/03/70-03/17/97	10	3.55	4.144	9.5	1.9	4.52	2.126	1.98	2.925	4.56	9.114
00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/70-03/17/97	10	45.	46.	62.	27.	106.222	10.306	28.2	39.75	53.	61.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	09/03/70-03/17/97	10	35.	36.1	49.	27.	48.767	6.983	27.4	31.	40.75	48.7
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.06	0.069	0.11	0.04	0.	0.022	0.041	0.058	0.085	0.109
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	10 ##	5.	6.5	12.5	5.	10.	3.162	5.	5.	6.875	12.5
01045	IRON, TOTAL (UG/L AS FE)	09/03/70-03/17/97	10	115.	297.	1700.	60.	254912.222	504.888	60.	60.	287.5	1570.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/03/70-03/17/97	10 ##	25.	27.5	50.	25.	62.5	7.906	25.	25.	25.	47.5
01092	ZINC, TOTAL (UG/L AS ZN)	09/03/70-03/17/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	10	55.	211.1	1320.	0.5	163452.044	404.292	0.5	7.625	270.	1218.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/09/71-03/17/97	10	1.724	1.486	3.121	-0.301	1.309	1.144	-0.301	0.675	2.431	3.056
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			30.604								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	9	40.	323.411	1410.	0.2	312243.446	558.787	0.2	5.25	680.	1410.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	9	1.602	1.479	3.149	-0.699	1.769	1.33	-0.699	0.349	2.653	3.149
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			30.142								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/03/70-03/17/97	10	0.02	0.019	0.04	0.005	0.	0.012	0.005	0.009	0.03	0.039
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	6.	6.875	18.	0.25	37.295	6.107	0.275	0.875	12.	17.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	10	313.	316.3	361.	270.	668.9	25.863	272.6	299.75	335.5	358.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/20/97	18	15.25	15.722	24.3	10.	12.317	3.51	10.81	12.975	18.	19.53
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/20/97	10	21.	19.05	23.	10.	23.692	4.867	10.3	13.75	23.	23.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/71-10/20/97	18	485.	467.722	550.	316.	4511.977	67.171	360.1	431.25	521.25	541.9
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	18	10.35	10.922	19.6	8.3	7.514	2.741	8.57	9.55	10.9	16.54
00335	COD, .025N K2CR2O7 MG/L	09/03/70-03/17/97	19 ##	2.5	3.411	19.8	2.5	15.752	3.969	2.5	2.5	2.5	2.5
00403	PH, LAB, STANDARD UNITS SU	11/09/71-03/17/97	19	8.1	8.005	8.3	7.6	0.033	0.181	7.7	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/71-03/17/97	19	8.1	7.967	8.3	7.6	0.034	0.185	7.7	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-03/17/97	19	0.008	0.011	0.025	0.005	0.	0.005	0.006	0.008	0.013	0.02
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	19	191.	178.895	266.	24.	2916.211	54.002	69.	180.	198.	231.
00612	AMMONIA, UNIONZED (MG/L AS N)	09/03/70-03/17/97	19	0.04	0.052	0.16	0.005	0.002	0.048	0.005	0.005	0.08	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/70-03/17/97	17	0.02	0.022	0.06	0.005	0.	0.018	0.005	0.005	0.03	0.052
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	19	0.22	0.264	0.75	0.005	0.04	0.199	0.025	0.13	0.37	0.59
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/03/70-03/17/97	19	2.01	1.915	2.68	1.19	0.128	0.357	1.5	1.61	2.1	2.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/70-03/17/97	19	0.01	0.018	0.07	0.005	0.	0.019	0.005	0.005	0.03	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	19	239.	235.368	309.	157.	1342.246	36.637	168.	218.	256.	275.
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/70-03/17/97	19	32.	35.513	75.	19.	170.906	13.073	20.	29.25	40.	54.
00937	POTASSIUM, TOTAL MG/L AS K)	09/03/70-03/17/97	19	4.7	7.037	29.	1.3	44.475	6.669	2.	3.6	7.	15.5
00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/70-03/17/97	19	40.	37.158	54.	17.	99.585	9.979	20.	29.	42.	49.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/03/70-03/17/97	19	34.	37.	55.	29.	39.667	6.298	30.	34.	40.	45.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	19	0.08	0.075	0.15	0.01	0.001	0.031	0.03	0.05	0.09	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/71-03/17/97	19 ##	5.	11.579	100.	5.	468.202	21.638	5.	5.	12.5	12.5
01045	IRON, TOTAL (UG/L AS FE)	09/03/70-03/17/97	19	200.	432.105	2200.	60.	296195.322	544.238	60.	60.	500.	1400.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/03/70-03/17/97	19 ##	25.	65.	200.	25.	2811.111	53.02	25.	25.	100.	140.
01092	ZINC, TOTAL (UG/L AS ZN)	09/03/70-03/17/97	19 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/09/71-03/17/97	19	800.	60318.421	1000000.	80.525	23717891.813	229180.536	140.	370.	2300.	120000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/09/71-03/17/97	19	2.903	3.146	6.	1.903	0.97	0.985	2.146	2.568	3.362	5.079
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1401.139								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	19	660.	2377.842	32000.	10.	52653379.585	7256.265	20.	100.	890.	5000.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/03/70-03/17/97	19	2.82	2.598	4.505	1.	0.645	0.803	1.301	2.	2.949	3.699
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			396.659								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/03/70-03/17/97	19	0.02	0.022	0.06	0.005	0.	0.016	0.005	0.005	0.03	0.05
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	19	22.	29.684	98.	5.	718.784	26.81	7.	9.	38.	86.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/71-03/17/97	19	311.	305.421	381.	163.	2004.035	44.766	236.	299.	332.	344.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0107

NPS Station ID: VAFO0107 LAT/LON: 40.066809/ -75.472421 Agency: 11NPSWRD Date Created: 04/17/99
Location: LITTLE VALLEY CREEK AT MILL ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_PSU_05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF LITTLE VALLEY CREEK AND MILL ROAD. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	1	18.7	18.7	18.7	18.7	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/14/87-07/14/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-07/14/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	2.15	2.15	2.15	2.15	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	14700.	14700.	14700.	14700.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.167	4.167	4.167	4.167	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14700.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	780.	780.	780.	780.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	2.892	2.892	2.892	2.892	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			780.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0108

NPS Station ID: VAFO0108 LAT/LON: 40.066559/ -75.472615 Agency: 11NPSWRD Date Created: 08/28/99
Location: LITTLE VALLEY CREEK UPSTREAM FROM MILL ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_TMS_7
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT LITTLE VALLEY CREEK UPSTREAM FROM THE MILL ROAD BRIDGE AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0108

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0108

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0109

NPS Station ID: VAFO0109
LAT/LON: 40.067503/ -75.472504
Agency: 21PA
Date Created: 06/27/92
Location: LITTLE VALLEY CREEK AT MILL ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO
STORET Station ID(s): WQF00995-000.4 /PFBC6-034
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 31.20
On/Off RF1:
RF3 Index: 02040203007104.22
RF3 Mile Point: 4.80
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/01/87-10/01/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34664	PCB - 1221 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/08/95-08/08/95	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/01/87-08/08/95	5 ##	0.005	0.013	0.05	0.003	0.	0.021	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	10/01/87-10/01/87	1	0.085	0.085	0.085	0.085	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/01/87-08/08/95	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/01/87-08/08/95	5 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	10/01/87-08/08/95	5 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	08/08/95-08/08/95	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	4 ##	0.004	0.01	0.03	0.003	0.	0.013	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/28/89-08/08/95	4 ##	0.004	0.005	0.01	0.003	0.	0.004	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/28/89-08/08/95	4 ##	0.008	0.011	0.026	0.003	0.	0.01	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/28/89-08/08/95	3 ##	0.006	0.015	0.037	0.003	0.	0.019	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/01/87-08/08/95	5 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	10/01/87-08/08/95	5	3.5	3.38	4.8	1.2	1.792	1.339	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	5 ##	0.02	0.021	0.05	0.005	0.	0.019	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	4 ##	0.013	0.014	0.025	0.005	0.	0.01	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	5 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/01/87-08/08/95	4	0.02	0.023	0.04	0.01	0.	0.013	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/01/87-08/08/95	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/01/87-08/08/95	4 ##	0.01	0.011	0.02	0.005	0.	0.006	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	12/13/79-08/12/93	11	3.094	3.495	6.66	1.4	2.324	1.524	1.56	2.3	4.5	6.384
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/01/87-08/08/95	5 ##	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	07/28/89-08/08/95	4 ##	0.004	0.005	0.01	0.003	0.	0.004	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	10/01/87-08/01/97	5	75.	75.	76.	74.	1.	1.	**	**	**	**
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-07/28/89	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/12/93-08/01/97	3	0.06	0.073	0.13	0.03	0.003	0.051	**	**	**	**
71932	ZINC,TOTAL IN FISH,DRY WEIGHT BASIS	07/28/89-07/28/89	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/28/89-09/05/91	2	0.241	0.241	0.266	0.215	0.001	0.036	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	4	0.075	0.259	0.87	0.015	0.168	0.41	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	4	0.31	0.34	0.49	0.25	0.011	0.105	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/01/87-08/01/97	4	0.195	0.19	0.32	0.05	0.012	0.111	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/87-08/01/97	4 ##	0.003	0.017	0.06	0.003	0.001	0.029	**	**	**	**
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2 ##	0.013	0.013	0.023	0.002	0.	0.015	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	2.295	2.295	3.99	0.599	5.749	2.398	**	**	**	**
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/28/89-09/05/91	2	0.37	0.37	0.389	0.35	0.001	0.028	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	4 ##	0.005	0.006	0.01	0.003	0.	0.003	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	07/28/89-08/08/95	4 ##	0.007	0.006	0.01	0.003	0.	0.003	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	12/13/79-08/01/97	13	5.	4.846	6.	3.	0.808	0.899	3.4	4.	5.5	6.
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/01/87-08/08/95	5 ##	0.031	0.036	0.05	0.025	0.	0.013	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	07/28/89-08/08/95	2 ##	0.018	0.018	0.025	0.01	0.	0.011	**	**	**	**
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	08/12/93-08/12/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	07/28/89-08/08/95	4 ##	0.004	0.005	0.01	0.003	0.	0.004	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0110

NPS Station ID: VAFO0110 LAT/LON: 40.066809/ -75.472421 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 5 AT LITTLE VALLEY CK AT MILL ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 5 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF LITTLE VALLEY CREEK AND MILL ROAD. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/84-08/30/84	3	15.	13.833	17.	9.5	15.083	3.884	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/84-08/30/84	3	425.	435.	480.	400.	1675.	40.927	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/84-08/30/84	3	477.	474.333	484.	462.	126.333	11.24	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/26/84-08/30/84	3	10.8	10.967	12.2	9.9	1.343	1.159	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	03/26/84-08/30/84	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/26/84-08/30/84	3	8.	8.167	8.5	8.	0.083	0.289	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/84-08/30/84	3	8.	8.112	8.5	8.	0.088	0.296	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/84-08/30/84	3	0.01	0.008	0.01	0.003	0.	0.004	**	**	**	**
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	03/26/84-08/30/84	3	30.5	64.833	135.	29.	3693.083	60.771	**	**	**	**
00612	AMMONIA, UNIONZED (MG/L AS N)	03/26/84-08/30/84	3 ##	0.005	0.013	0.03	0.005	0.	0.014	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/26/84-08/30/84	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/84-08/30/84	3	0.2	0.163	0.24	0.05	0.01	0.1	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/26/84-08/30/84	3	2.21	2.34	2.66	2.15	0.078	0.279	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/26/84-08/30/84	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/84-08/30/84	3	209.	209.333	210.	209.	0.333	0.577	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/26/84-08/30/84	3	27.4	27.35	27.9	26.75	0.332	0.577	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/26/84-08/30/84	3	5.1	5.733	7.	5.1	1.203	1.097	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/84-08/30/84	3	38.	37.333	38.	36.	1.333	1.155	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/84-08/30/84	3	28.	30.	34.	28.	12.	3.464	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/26/84-08/30/84	3	0.1	0.097	0.1	0.09	0.	0.006	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/26/84-08/30/84	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/84-08/30/84	3	105.	123.333	185.	80.	3008.333	54.848	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/84-08/30/84	3	50.	41.667	50.	25.	208.333	14.434	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/26/84-08/30/84	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/26/84-08/30/84	3	420.	1186.667	3100.	40.	2781733.333	1667.853	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/26/84-08/30/84	3	2.623	2.572	3.491	1.602	0.894	0.946	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			373.442								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/06/84-08/30/84	2	395.	395.	580.	210.	68450.	261.63	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/06/84-08/30/84	2	2.543	2.543	2.763	2.322	0.097	0.312	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			348.999								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/26/84-08/30/84	3	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/84-08/30/84	3	9.	9.333	15.	4.	30.333	5.508	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/84-08/30/84	3	277.	285.667	327.	253.	1425.333	37.754	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00				1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00				1	0	0.00	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00				1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00				1	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00				1	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	5000.	3	0	0.00				1	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	2	0.67				1	0	0.00	2	2	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0111

NPS Station ID: VAFO0111 | LAT/LON: 40.070067/ -75.472764 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: VALLEY CREEK AT MILL ROAD BRIDGE | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_VAL3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK AT THE MILL ROAD BRIDGE. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/90-11/22/93	11	17.1	14.927	21.5	2.5	32.2	5.675	3.46	12.2	19.2	21.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/90-12/27/91	10	556.	481.9	581.	161.	21828.1	147.743	172.1	399.5	571.5	580.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/13/90-11/22/93	11	10.2	10.409	13.5	9.3	1.343	1.159	9.36	9.7	10.5	13.06
00403	PH, LAB, STANDARD UNITS SU	06/13/90-11/22/93	11	8.1	8.055	8.4	7.5	0.051	0.225	7.6	8.	8.1	8.38
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/90-11/22/93	11	8.1	7.991	8.4	7.5	0.055	0.235	7.6	8.	8.1	8.38
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/90-11/22/93	11	0.008	0.01	0.032	0.004	0.	0.007	0.004	0.008	0.01	0.027
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/90-11/22/93	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/90-11/22/93	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/90-11/22/93	11	60.	64.273	80.	40.	144.818	12.034	44.	60.	80.	80.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/90-11/22/93	4 ##	0.	0.02	0.08	0.	0.002	0.04	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-05/28/93	2	750.	750.	1300.	200.	605000.	777.817	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/13/90-11/22/93	11	0.9	0.891	1.6	0.3	0.115	0.339	0.34	0.7	1.1	1.5
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/13/90-11/22/93	17 ##	0.	35.3	100.	0.	2426.03	49.255	0.	0.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	3	0	0.00				8	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	3	0	0.00				8	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00				8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	3	0	0.00				8	0	0.00			
		Drinking Water	250.	11	0	0.00	3	0	0.00				8	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	1	0.25	2	1	0.50				2	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	2	1.00	1	1	1.00				1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	11	0	0.00	3	0	0.00				8	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	17	6	0.35	5	2	0.40	1	1	1.00	11	3	0.27			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0112

NPS Station ID: VAFO0112 | LAT/LON: 40.069866/ -75.472920 | Agency: 11NPSWRD | Date Created: 04/17/99
Location: VALLEY CREEK AT MILL ROAD BRIDGE | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_PSU_06
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF VALLEY CREEK AND MILL ROAD. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	1	20.7	20.7	20.7	20.7	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	1	8.17	8.17	8.17	8.17	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/14/87-07/14/87	1	8.17	8.17	8.17	8.17	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-07/14/87	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	2.15	2.15	2.15	2.15	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	40000.	40000.	40000.	40000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.602	4.602	4.602	4.602	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			40000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	710.	710.	710.	710.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	2.851	2.851	2.851	2.851	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			710.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0113

NPS Station ID: VAFO0113
LAT/LON: 40.069977/ -75.472920
Agency: 11NPSWRD
Date Created: 09/25/99
Location: VALLEY CREEK AT MILL ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_TU_MR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK AT MILL ROAD AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A CORRESPONDENCE FROM A. JOSEPH ARMSTRONG OF TROUT UNLIMITED TO THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES. DATA WERE COLLECTED IN ORDER TO EVALUATE VALLEY CREEK FOR A CHANGE IN DESIGNATION TO COLD WATER FISHERY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/14/85-09/25/85	156	61.5	61.757	71.6	55.4	7.728	2.78	58.5	60.	63.	64.58

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0114

NPS Station ID: VAFO0114 LAT/LON: 40.066670/ -75.472781 Agency: 11NPSWRD Date Created: 08/15/98
Location: LITTLE VALLEY CREEK AT HOWELLVILLE; PA FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_USGS_LVCR
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE VALLEY FORGE; PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE; AND IS APPROXIMATELY 1 MILE SOUTHWEST OF VALLEY FORGE NATIONAL HISTORIC PARK ON LITTLE VALLEY CREEK AT HOWELLVILLE; PENNSYLVANIA. THE CREEK MERGES WITH VALLEY CREEK AND JOINS THE SCHUYLKILL RIVER IN THE PARK. THE DATA ARE FROM THE 1989 U.S.GEOLOGICAL SURVEY OPEN-FILE REPORT 85-686 "PHYSICAL; CHEMICAL; AND BIOLOGICAL DATA FOR SELECTED STREAMS IN CHESTER COUNTY; PENNSYLVANIA 1969-80"; BY CRAIG R. MOORE. THE REPORT WAS PREPARED TO PROVIDE A BASE-LINE OF THE EXISTING STREAM CONDITIONS. DATA WERE PROCESSED AND UPLOADED TO STORET BY ERIC LORD AT NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; COLORADO 80525 TEL(970) 225-3514; FAX(970) 225-9965.

Parameter Inventory for Station: VAFO0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/75-11/05/79	2	6.5	6.5	10.	3.	24.5	4.95	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/75-11/05/79	2	515.	515.	550.	480.	2450.	49.497	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/11/75-11/11/75	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/11/75-11/05/79	2	7.45	7.45	7.8	7.1	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/11/75-11/05/79	2	7.322	7.322	7.8	7.1	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/75-11/05/79	2	0.048	0.048	0.079	0.016	0.002	0.045	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	11/11/75-11/05/79	2	138.	138.	140.	136.	8.	2.828	**	**	**	**
00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	11/11/75-11/11/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	11/11/75-11/11/75	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/05/79-11/05/79	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/11/75-11/05/79	2	0.365	0.365	0.54	0.19	0.061	0.247	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/11/75-11/05/79	2	0.035	0.035	0.06	0.01	0.001	0.035	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/75-11/11/75	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/79-11/05/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	11/11/75-11/05/79	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/11/75-11/05/79	2	0.095	0.095	0.13	0.06	0.002	0.049	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	11/11/75-11/11/75	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/11/75-11/11/75	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/11/75-11/11/75	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/11/75-11/11/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/11/75-11/11/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/11/75-11/11/75	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/11/75-11/05/79	2	37.5	37.5	42.	33.	40.5	6.364	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/11/75-11/05/79	2	31.5	31.5	32.	31.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/11/75-11/05/79	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/11/75-11/05/79	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/11/75-11/11/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/11/75-11/11/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/05/79-11/05/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	11/11/75-11/11/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/11/75-11/11/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/11/75-11/11/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/11/75-11/11/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/11/75-11/11/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/11/75-11/11/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/11/75-11/11/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	11/05/79-11/05/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	11/05/79-11/05/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/11/75-11/11/75	1	274.	274.	274.	274.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/11/75-11/11/75	1	250.	250.	250.	250.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/11/75-11/11/75	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0115

NPS Station ID: VAFO0115 LAT/LON: 40.066670/ -75.472781 Agency: 112WRD Date Created: / /
Location: LITTLE VALLEY CREEK AT HOWELLVILLE, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01473167
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001900.00 RF3 Mile Point: 0.28 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	31	11.5	10.935	20.	3.	13.067	3.615	6.5	7.5	13.	15.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/24/96	14	11.75	12.786	21.5	-2.	46.912	6.849	6.	0.625	18.875	20.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	20	6.	8.05	19.	3.	22.787	4.774	4.	5.	11.5	16.8
00065	STAGE, STREAM (FEET)	11/07/94-10/30/95	2	0.83	0.83	0.88	0.78	0.005	0.071	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/21/83-10/05/92	8	0.4	0.5	1.3	0.2	0.12	0.346	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/31/80-10/31/80	1	570.	570.	570.	570.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	31	503.	504.484	750.	279.	7399.925	86.023	412.	466.	550.	606.4
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/24/96	18	11.3	11.461	13.4	10.3	0.874	0.935	10.39	10.775	12.	13.22
00340	COD, .25N K2CR2O7 MG/L	11/09/71-10/12/73	3	13.	10.333	15.	3.	41.333	6.429	**	**	**	**
00400	PH (STANDARD UNITS)	11/09/71-10/24/96	31	7.9	7.935	8.8	6.88	0.174	0.417	7.38	7.7	8.2	8.5
00400	CONVERTED PH (STANDARD UNITS)	11/09/71-10/24/96	31	7.9	7.728	8.8	6.88	0.219	0.467	7.38	7.7	8.2	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-10/24/96	31	0.013	0.019	0.132	0.002	0.001	0.025	0.003	0.006	0.02	0.042
00403	PH, LAB, STANDARD UNITS SU	10/31/80-10/05/92	20	8.	7.985	8.2	7.7	0.021	0.146	7.71	7.9	8.1	8.19
00403	CONVERTED PH, LAB, STANDARD UNITS	10/31/80-10/05/92	20	8.	7.961	8.2	7.7	0.022	0.148	7.71	7.9	8.1	8.19
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/80-10/05/92	20	0.01	0.011	0.02	0.006	0.	0.004	0.006	0.008	0.013	0.02
00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/73-10/27/78	5	3.8	4.02	5.9	1.3	3.547	1.883	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/05/92	23	168.	166.043	248.	130.	701.589	26.488	136.4	148.	178.	200.
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/05/92-10/24/96	3	170.	166.333	175.	154.	120.333	10.97	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/12/73-10/27/78	5	184.	196.2	240.	167.	843.2	29.038	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/12/73-10/27/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/09/71-11/24/72	2	268.5	268.5	299.	238.	1860.5	43.134	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/16/81	5	2.8	3.08	3.9	2.2	0.607	0.779	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/09/85	4	2.7	2.725	2.9	2.6	0.016	0.126	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	0.33	0.391	1.1	0.2	0.073	0.271	0.2	0.27	0.355	1.1
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/16/81-10/15/82	2	0.17	0.17	0.3	0.04	0.034	0.184	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	22	0.02	0.052	0.33	0.005	0.007	0.086	0.005	0.008	0.05	0.227
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	0.04	0.054	0.19	0.01	0.003	0.053	0.01	0.025	0.055	0.19
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	22 ##	0.005	0.013	0.06	0.005	0.	0.015	0.005	0.005	0.013	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	8	0.025	0.026	0.06	0.	0.	0.021	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/21/83	3	2.4	2.433	2.6	2.3	0.023	0.153	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	3.2	3.011	3.6	1.9	0.366	0.605	1.9	2.45	3.5	3.6
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/05/92	10 ##	0.1	0.172	0.32	0.1	0.01	0.098	0.1	0.1	0.3	0.318
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/16/81-10/09/85	2	0.35	0.35	0.7	0.	0.245	0.495	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/12/73-10/05/92	13	0.31	0.365	1.3	0.1	0.128	0.358	0.1	0.1	0.4	1.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/73-10/16/81	6	3.05	2.9	3.6	1.9	0.532	0.729	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/24/96	22	2.6	2.468	2.8	1.8	0.09	0.3	1.9	2.375	2.7	2.77
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/31/80-10/31/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/15/82-10/15/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/09/71-10/05/92	17	0.03	0.079	0.22	0.005	0.007	0.083	0.005	0.015	0.18	0.22
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/05/92	10 ##	0.008	0.011	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	22	0.01	0.013	0.05	0.005	0.	0.011	0.005	0.005	0.02	0.027
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/18/93-11/18/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	10/21/83-10/21/83	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	03/20/84-03/20/84	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/73-10/15/82	8	210.	211.25	240.	190.	241.071	15.526	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/12/73-10/27/78	5	54.	54.8	66.	47.	48.7	6.979	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	20	56.	55.25	64.	44.	32.092	5.665	45.3	51.25	58.75	63.
00916	CALCIUM, TOTAL (MG/L AS CA)	11/09/71-11/24/72	2	42.65	42.65	45.	40.3	11.045	3.323	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	20	18.5	19.2	32.	16.	10.695	3.27	16.1	18.	20.	20.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/09/71-11/24/72	2	15.3	15.3	16.4	14.2	2.42	1.556	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/09/71-11/24/72	2	22.75	22.75	26.	19.5	21.125	4.596	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	20	25.	25.1	32.	21.	7.042	2.654	21.	23.25	26.	28.
00931	SODIUM ADSORPTION RATIO	10/12/73-10/15/82	8	0.8	0.775	0.9	0.6	0.011	0.104	**	**	**	**
00932	SODIUM, PERCENT	10/12/73-10/15/82	8	22.	20.875	24.	16.	6.982	2.642	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	20	2.2	2.29	3.1	1.5	0.224	0.473	1.7	2.	2.4	3.1
00937	POTASSIUM, TOTAL MG/L AS K)	11/09/71-11/24/72	2	2.325	2.325	2.42	2.23	0.018	0.134	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	30	47.	46.5	63.	34.	35.638	5.97	40.	41.75	50.	54.8
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	22	35.	35.682	45.	29.	14.703	3.835	31.6	33.	38.25	42.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/73-10/05/92	11	0.2	0.195	0.5	0.05	0.019	0.139	0.06	0.1	0.2	0.48
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/73-10/05/92	16	7.5	7.406	8.5	5.6	0.49	0.7	6.23	7.15	7.675	8.36
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/16/81-10/05/92	10 ##	0.5	0.9	3.	0.5	0.6	0.775	0.5	0.5	1.	2.8
01002	ARSENIC, TOTAL (UG/L AS AS)	10/12/73-10/12/73	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-11/18/93	2	3.	3.	6.	0.	18.	4.243	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/26/88-10/05/92	5	24.	24.2	25.	24.	0.2	0.447	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/26/88-10/05/92	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/18/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/73-10/05/92	16 ##	0.5	0.625	2.	0.	0.25	0.5	0.	0.5	1.	1.3
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/18/93	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/18/93	2	25.	25.	40.	10.	450.	21.213	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/73-10/05/92	16 ##	2.25	2.656	10.	0.	9.157	3.026	0.35	0.5	2.5	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/09/71-11/24/72	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/12/73-10/05/92	13 ##	1.5	1.154	5.	0.	1.933	1.39	0.	0.	1.5	3.8
01037	COBALT, TOTAL (UG/L AS CO)	11/09/71-11/24/72	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/73-10/05/92	16 ##	4.	3.813	10.	0.	9.896	3.146	0.	1.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	11/09/71-11/24/72	2 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-11/18/93	2	14.5	14.5	19.	10.	40.5	6.364	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/09/71-11/24/72	2 ##	152.5	152.5	230.	75.	12012.5	109.602	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	20	9.	22.825	170.	1.5	1765.849	42.022	1.5	5.	17.75	102.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/73-10/05/92	16	3.5	3.938	13.	0.	12.029	3.468	0.35	1.25	5.	10.9
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-11/18/93	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/18/93-11/18/93	1	760.	760.	760.	760.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/71-11/24/72	2 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	20	6.5	14.325	60.	0.5	246.323	15.695	3.1	5.	27.5	39.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/26/88-10/05/92	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/73-10/05/92	16 ##	3.	3.031	8.	0.	5.549	2.356	0.	1.	5.	5.9
01067	NICKEL, TOTAL (UG/L AS NI)	11/09/71-11/24/72	2 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/05/92	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/26/88-10/05/92	5	130.	132.	140.	120.	70.	8.367	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/26/88-10/05/92	5 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/73-10/05/92	16 ##	5.	8.219	50.	0.	149.932	12.245	0.	1.5	9.75	29.
01092	ZINC, TOTAL (UG/L AS ZN)	11/09/71-11/24/72	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-11/18/93	2	90.	90.	100.	80.	200.	14.142	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/05/92	9	10.	31.667	200.	5.	4018.75	63.394	5.	5.	20.	200.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	13	7.	7.231	18.	2.	15.359	3.919	2.8	5.	9.	14.4
01132	LITHIUM, TOTAL (UG/L AS LI)	11/09/71-11/24/72	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/18/93-11/18/93	1	28000.	28000.	28000.	28000.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/09/71-10/12/73	3	4600.	18050.	49000.	550.	722527500.	26879.872	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/09/71-10/12/73	3	3.663	3.698	4.69	2.74	0.951	0.975	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4986.229								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/09/71-10/12/73	3	175.	323.667	760.	36.	147620.333	384.214	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/09/71-10/12/73	3	2.243	2.227	2.881	1.556	0.439	0.662	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			168.546								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/09/71-10/12/73	3	92.	118.667	184.	80.	3237.333	56.898	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/09/71-10/12/73	3	1.964	2.044	2.265	1.903	0.038	0.194	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			110.637								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/31/77-12/12/84	9	0.04	0.032	0.1	0.	0.001	0.032	0.	0.	0.045	0.1
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/16/87-11/18/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/16/87-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/16/87-11/18/93	2	9.	9.	13.	5.	32.	5.657	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	2 ##	2.6	2.6	5.	0.2	11.52	3.394	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/16/87-11/18/93	2	0.95	0.95	1.1	0.8	0.045	0.212	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/16/87-11/18/93	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/16/87-11/16/87	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/16/87-11/18/93	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/16/87-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/16/87-11/18/93	2 ##	6.525	6.525	13.	0.05	83.851	9.157	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/18/93-11/18/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	11/16/87-11/18/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/09/85	19	314.	316.579	358.	272.	531.702	23.059	290.	298.	339.	354.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/12/73-10/27/78	5	296.	295.2	321.	273.	376.7	19.409	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/15/82-10/15/82	1	4.16	4.16	4.16	4.16	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/12/73-10/15/82	8	0.42	0.421	0.47	0.37	0.001	0.03	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/09/71-03/20/84	10	0.1	0.094	0.19	0.005	0.007	0.084	0.005	0.009	0.173	0.189
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/31/80-10/31/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/16/81-10/15/82	2	0.055	0.055	0.08	0.03	0.001	0.035	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/16/81-10/15/82	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/16/81-10/15/82	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/31/80-10/09/85	4	0.09	0.138	0.31	0.06	0.013	0.116	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/29/76-10/16/81	5	13.	13.76	17.	9.8	10.088	3.176	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/05/92	10 ##	0.05	0.075	0.2	0.05	0.002	0.049	0.05	0.05	0.1	0.19
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-11/18/93	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	11/16/87-11/18/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	8	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	18	0	0.00	18	0	0.00									
00400	PH	Fresh Chronic	9.	31	0	0.00	25	0	0.00	1	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	31	0	0.00	25	0	0.00	1	0	0.00	5	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	20	0	0.00	14	0	0.00	1	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	14	0	0.00	1	0	0.00	5	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	22	0	0.00	16	0	0.00	1	0	0.00	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	8	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	9	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	6	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	22	0	0.00	16	0	0.00	1	0	0.00	5	0	0.00			
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	24	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	250.	30	0	0.00	24	0	0.00	1	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	20	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	11	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	10	0	0.00	10	0	0.00									
		Drinking Water	50.	10	0	0.00	10	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	5	0	0.00	5	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	5	0	0.00	5	0	0.00									
		Drinking Water	4.	5	0	0.00	5	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	16	0	0.00	16	0	0.00									
		Drinking Water	5.	16	0	0.00	16	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	16	0	0.00	16	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	16	0	0.00	16	0	0.00									
		Drinking Water	1300.	16	0	0.00	16	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	16	0	0.00	16	0	0.00									
		Drinking Water	15.	16	0	0.00	16	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	16	0	0.00	16	0	0.00									
		Drinking Water	100.	16	0	0.00	16	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	0 &	0	0.00												
01075	SILVER, DISSOLVED	Fresh Acute	4.1	8	0	0.00	8	0	0.00									
		Drinking Water	100.	8	0	0.00	8	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	16	0	0.00	16	0	0.00									
		Drinking Water	5000.	16	0	0.00	16	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	2	0.67	3	2	0.67									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	1	0.33	3	1	0.33									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	10	0	0.00	10	0	0.00									
		Drinking Water	2.	10	0	0.00	10	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	25	10.5	9.92	14.	3.	8.916	2.986	6.34	7.1	12.35	14.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/24/96	14	11.75	12.786	21.5	-2.	46.912	6.849	6.	0.625	18.875	20.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	14	5.	5.643	12.	3.	4.863	2.205	3.5	4.	6.	10.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	25	515.	510.56	750.	279.	9002.423	94.881	386.	463.	560.	627.8
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/24/96	18	11.3	11.461	13.4	10.3	0.874	0.935	10.39	10.775	12.	13.22
00400	PH (STANDARD UNITS)	11/09/71-10/24/96	25	7.8	7.884	8.8	6.88	0.195	0.441	7.29	7.7	8.2	8.54
00400	CONVERTED PH (STANDARD UNITS)	11/09/71-10/24/96	25	7.8	7.671	8.8	6.88	0.242	0.492	7.29	7.7	8.2	8.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-10/24/96	25	0.016	0.021	0.132	0.002	0.001	0.027	0.003	0.006	0.02	0.052
00403	PH, LAB, STANDARD UNITS SU	10/31/80-10/05/92	14	8.	8.007	8.2	7.7	0.019	0.138	7.8	7.9	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/31/80-10/05/92	14	8.	7.986	8.2	7.7	0.02	0.14	7.8	7.9	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/80-10/05/92	14	0.01	0.01	0.02	0.006	0.	0.004	0.006	0.008	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/05/92	17	172.	174.765	248.	137.	628.066	25.061	145.8	159.	180.5	209.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	0.33	0.391	1.1	0.2	0.073	0.271	0.2	0.27	0.355	1.1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	16	0.02	0.026	0.08	0.005	0.	0.021	0.005	0.008	0.03	0.066
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	0.04	0.054	0.19	0.01	0.003	0.053	0.01	0.025	0.055	0.19
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	16 ##	0.005	0.011	0.04	0.005	0.	0.012	0.005	0.005	0.01	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	3.2	3.011	3.6	1.9	0.366	0.605	1.9	2.45	3.5	3.6
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/05/92	10 ##	0.1	0.172	0.32	0.1	0.01	0.098	0.1	0.1	0.3	0.318
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/12/73-10/05/92	13	0.31	0.365	1.3	0.1	0.128	0.358	0.1	0.1	0.4	1.14
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/24/96	16	2.4	2.388	2.8	1.8	0.099	0.314	1.87	2.15	2.675	2.73
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/09/71-10/05/92	17	0.03	0.079	0.22	0.005	0.007	0.083	0.005	0.015	0.18	0.22
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/05/92	10 ##	0.008	0.011	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	16	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.023
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	18	56.5	56.278	64.	45.	24.212	4.921	48.6	53.5	59.25	63.1
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	18	19.	19.556	32.	17.	10.614	3.258	17.9	18.	20.	21.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	18	25.5	25.333	32.	21.	6.824	2.612	21.	23.75	26.25	28.4
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	18	2.25	2.356	3.1	1.5	0.205	0.453	1.86	2.075	2.55	3.1
00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	24	47.	47.708	63.	34.	35.607	5.967	40.5	44.25	50.	56.5
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	20	35.	35.8	45.	29.	15.853	3.982	31.2	33.	38.75	42.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/73-10/05/92	11	0.2	0.195	0.5	0.05	0.019	0.139	0.06	0.1	0.2	0.48
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/73-10/05/92	16	7.5	7.406	8.5	5.6	0.49	0.7	6.23	7.15	7.675	8.36
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/16/81-10/05/92	10 ##	0.5	0.9	3.	0.5	0.6	0.775	0.5	0.5	1.	2.8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/73-10/05/92	16 ##	0.5	0.625	2.	0.	0.25	0.5	0.	0.5	1.	1.3
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/73-10/05/92	16 ##	2.25	2.656	10.	0.	9.157	3.026	0.35	0.5	2.5	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/12/73-10/05/92	13 ##	1.5	1.154	5.	0.	1.933	1.39	0.	0.	1.5	3.8
01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/73-10/05/92	16 ##	4.	3.813	10.	0.	9.896	3.146	0.	1.	5.	10.
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	18	9.	24.944	170.	1.5	1925.438	43.88	1.5	5.	22.5	116.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/73-10/05/92	16	3.5	3.938	13.	0.	12.029	3.468	0.35	1.25	5.	10.9
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	18	6.5	15.139	60.	0.5	268.171	16.376	2.75	5.	30.	42.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/73-10/05/92	16 ##	3.	3.031	8.	0.	5.549	2.356	0.	1.	5.	5.9
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/73-10/05/92	16 ##	5.	8.219	50.	0.	149.932	12.245	0.	1.5	9.75	29.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	9	8.	8.222	18.	2.	19.444	4.41	2.	5.5	9.	18.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/09/85	13	303.	311.077	343.	290.	287.744	16.963	292.8	297.5	321.5	342.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/05/92	10 ##	0.05	0.075	0.2	0.05	0.002	0.049	0.05	0.05	0.1	0.19

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	1	490.	490.	490.	490.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/09/71-10/24/96	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/09/71-10/24/96	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-10/24/96	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/31/80-10/05/92	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	CONVERTED PH, LAB, STANDARD UNITS	10/31/80-10/05/92	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/80-10/05/92	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/05/92	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/24/96	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/09/85	1	272.	272.	272.	272.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	5	16.	15.8	20.	12.	8.2	2.864	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	5	14.	12.6	17.	7.	16.3	4.037	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	5	475.	477.	500.	455.	257.5	16.047	**	**	**	**
00400	PH (STANDARD UNITS)	11/09/71-10/24/96	5	8.1	8.14	8.5	7.9	0.053	0.23	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/09/71-10/24/96	5	8.1	8.097	8.5	7.9	0.055	0.235	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-10/24/96	5	0.008	0.008	0.013	0.003	0.	0.004	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/31/80-10/05/92	5	7.9	7.9	8.1	7.7	0.025	0.158	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/31/80-10/05/92	5	7.9	7.877	8.1	7.7	0.026	0.16	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/80-10/05/92	5	0.013	0.013	0.02	0.008	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/05/92	5	140.	143.6	156.	136.	68.8	8.295	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	5	0.05	0.144	0.33	0.02	0.023	0.153	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	5	0.01	0.02	0.06	0.005	0.001	0.023	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/24/96	5	2.7	2.68	2.8	2.6	0.007	0.084	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	5	0.01	0.018	0.05	0.005	0.	0.019	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	5	41.	40.6	42.	39.	1.3	1.14	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/09/85	5	339.	339.8	358.	322.	260.2	16.131	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0116

NPS Station ID: VAFO0116 LAT/LON: 40.065822/ -75.473122 Agency: 11NPSWRD Date Created: 10/05/99
Location: LITTLE VALLEY CK AT MILL RD TOWNSHIP PARK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_LVC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LITTLE VALLEY CREEK AT THE MILL ROAD TOWNSHIP PARK. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-11/22/93	10	16.85	16.14	26.8	5.9	37.765	6.145	6.01	12.1	19.175	26.18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-12/27/91	10	515.5	463.3	538.	193.	12551.344	112.033	208.5	421.5	535.	538.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-11/22/93	9	9.7	10.256	13.3	8.9	1.793	1.339	8.9	9.4	10.85	13.3
00403	PH, LAB, STANDARD UNITS SU	06/19/90-11/22/93	9	8.	8.067	8.9	7.5	0.138	0.371	7.5	7.9	8.15	8.9
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/90-11/22/93	9	8.	7.953	8.9	7.5	0.152	0.39	7.5	7.9	8.15	8.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/90-11/22/93	9	0.01	0.011	0.032	0.001	0.	0.008	0.001	0.007	0.013	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/90-11/22/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-11/22/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/22/93	10	60.	59.8	80.	40.	178.178	13.348	40.	53.5	65.	80.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/90-11/22/93	3 ##	0.	0.027	0.08	0.	0.002	0.046	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/23/91-05/19/93	3	300.	2200.	6200.	100.	12010000.	3465.545	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-11/22/93	10	0.8	0.82	1.2	0.4	0.08	0.282	0.4	0.625	1.1	1.19
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-11/22/93	16 ##	0.	31.25	100.	0.	2291.667	47.871	0.	0.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00				6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	9	0	0.00	3	0	0.00				6	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	3	0	0.00				6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	3	0	0.00				7	0	0.00			
		Drinking Water	250.	10	0	0.00	3	0	0.00				7	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	1	0.33	2	1	0.50				1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	2	0.67	1	1	1.00				2	1	0.50			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	10	0	0.00	3	0	0.00				7	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	16	5	0.31	5	2	0.40				11	3	0.27			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0117

NPS Station ID: VAFO0117
LAT/LON: 40.061115/ -75.473059
Agency: 11BIOACC
Date Created: 05/16/92
Location: LITTLE VALLEY CREEK @ PAOLI
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/FISH/STREAM
STORET Station ID(s): 3101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040205059501.83
RF3 Mile Point: 2.09
Distance from RF3: 0.37
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	11/18/86-11/18/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	11/18/86-11/18/86	1 ##	1.23	1.23	1.23	1.23	0.	0.	**	**	**	**
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	11/18/86-11/18/86	1 ##	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	11/18/86-11/18/86	1 ##	0.685	0.685	0.685	0.685	0.	0.	**	**	**	**
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	11/18/86-11/18/86	1 ##	0.635	0.635	0.635	0.635	0.	0.	**	**	**	**
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1	5.49	5.49	5.49	5.49	0.	0.	**	**	**	**
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1	1.85	1.85	1.85	1.85	0.	0.	**	**	**	**
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1	5.92	5.92	5.92	5.92	0.	0.	**	**	**	**
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1 ##	1.41	1.41	1.41	1.41	0.	0.	**	**	**	**
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1 ##	1.415	1.415	1.415	1.415	0.	0.	**	**	**	**
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1 ##	1.38	1.38	1.38	1.38	0.	0.	**	**	**	**
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	11/18/86-11/18/86	1 ##	0.975	0.975	0.975	0.975	0.	0.	**	**	**	**
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	11/18/86-11/18/86	1 ##	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	11/18/86-11/18/86	1 ##	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	11/18/86-11/18/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	11/18/86-11/18/86	1 ##	0.94	0.94	0.94	0.94	0.	0.	**	**	**	**
38824	ISOPROPALIN TISWETWGTMG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	11/18/86-11/18/86	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	11/18/86-11/18/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1	0.129	0.129	0.129	0.129	0.	0.	**	**	**	**
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1	1.076	1.076	1.076	1.076	0.	0.	**	**	**	**
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1	2.634	2.634	2.634	2.634	0.	0.	**	**	**	**
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1	0.061	0.061	0.061	0.061	0.	0.	**	**	**	**
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	11/18/86-11/18/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	11/18/86-11/18/86	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	11/18/86-11/18/86	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	11/18/86-11/18/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	11/18/86-11/18/86	1	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	11/18/86-11/18/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	11/18/86-11/18/86	1	5.148	5.148	5.148	5.148	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	11/18/86-11/18/86	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	11/18/86-11/18/86	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85682	NITROFEN TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85683	PERTHANE TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	11/18/86-11/18/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0118

NPS Station ID: VAFO0118 LAT/LON: 40.069920/ -75.473031 Agency: 11NPSWRD Date Created: 08/28/99
Location: VALLEY CREEK UPSTREAM FROM MILL ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_TMS_9
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK UPSTREAM FROM THE MILL ROAD BRIDGE AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	1	20.1	20.1	20.1	20.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0118

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0119

NPS Station ID: VAFO0119
LAT/LON: 40.069670/ -75.473282
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MILL ROAD BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	510.	510.	510.	510.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	282.	282.	282.	282.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	2.64	2.64	2.64	2.64	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	272.	272.	272.	272.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	38.	38.	38.	38.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	2410.	2410.	2410.	2410.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	720.	720.	720.	720.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0119

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0120

NPS Station ID: VAFO0120
LAT/LON: 40.069642/ -75.473254
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 25 YARDS UPSTREAM OF THE MILL ROAD BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	1	830.	830.	830.	830.	0.	0.	**	**	**	**
45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0121

NPS Station ID: VAFO0121
LAT/LON: 40.069753/ -75.473310
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MILL ROAD BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/76-03/01/76	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	328.	328.	328.	328.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	1.92	1.92	1.92	1.92	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	216.	216.	216.	216.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	42.4	42.4	42.4	42.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	260.	260.	260.	260.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	260.	260.	260.	260.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0122

NPS Station ID: VAFO0122
LAT/LON: 40.069698/ -75.473337
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 10 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 10 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 50 YARDS UPSTREAM OF THE BRIDGE WHERE MILL ROAD CROSSES VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	720.	720.	720.	720.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	480.	480.	480.	480.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	520.	520.	520.	520.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	156.	156.	156.	156.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0123

NPS Station ID: VAFO0123
LAT/LON: 40.069726/ -75.473615
Agency: 112WRD
Date Created: / /
Location: VALLEY CREEK NEAR VALLEY FORGE, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01473168
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203036402.33
RF3 Mile Point: 2.94
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-10/24/96	22	11.5	10.727	14.	6.5	5.232	2.287	6.65	9.	12.5	13.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/09/71-10/24/96	16	11.75	12.281	21.	-2.	31.466	5.609	8.1	1.125	15.875	19.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/82-10/24/96	12	13.5	14.417	27.	8.	25.902	5.089	8.3	10.5	17.	24.3
00065	STAGE, STREAM (FEET)	10/21/83-10/30/95	3	0.64	1.567	3.44	0.62	2.632	1.622	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/21/83-10/05/92	9	1.1	1.511	4.	0.2	1.591	1.261	0.2	0.45	2.35	4.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/71-10/24/96	22	520.	508.682	615.	308.	7258.894	85.199	359.5	483.5	581.25	595.
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/24/96	19	11.6	11.7	13.2	10.5	0.633	0.796	10.6	11.	12.4	12.8
00340	COD, .25N K2CR2O7 MG/L	11/09/71-10/12/73	4	2.5	2.875	6.	0.5	6.729	2.594	**	**	**	**
00400	PH (STANDARD UNITS)	11/09/71-10/24/96	22	8.015	7.886	9.2	6.4	0.358	0.598	6.962	7.545	8.225	8.37
00400	CONVERTED PH (STANDARD UNITS)	11/09/71-10/24/96	22	8.007	7.411	9.2	6.4	0.594	0.771	6.962	7.545	8.225	8.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/71-10/24/96	22	0.01	0.039	0.398	0.001	0.007	0.086	0.004	0.006	0.029	0.116
00403	PH, LAB, STANDARD UNITS SU	10/16/81-10/05/92	11	8.2	8.118	8.3	7.8	0.03	0.172	7.82	8.	8.3	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	10/16/81-10/05/92	11	8.2	8.085	8.3	7.8	0.031	0.176	7.82	8.	8.3	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/16/81-10/05/92	11	0.006	0.008	0.016	0.005	0.	0.004	0.005	0.005	0.01	0.015
00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/73-10/27/78	5	6.	24.88	102.	2.5	1870.147	43.245	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/73-10/28/91	15	200.	198.4	227.	130.	514.686	22.687	163.	188.	214.	219.2
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/05/92-10/24/96	4	188.	195.	221.	183.	316.667	17.795	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/12/73-10/27/78	5	229.	219.8	250.	160.	1207.7	34.752	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/12/73-10/27/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/09/71-10/24/72	2	256.	256.	267.	245.	242.	15.556	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/31/77-10/16/81	4	2.35	2.55	3.2	2.3	0.19	0.436	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/21/83	3	2.	2.033	2.3	1.8	0.063	0.252	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/09/71-10/16/81	9	0.27	0.401	1.1	0.2	0.081	0.285	0.2	0.225	0.49	1.1
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/16/81-10/15/82	2	0.19	0.19	0.35	0.03	0.051	0.226	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	14	0.035	0.044	0.11	0.005	0.001	0.037	0.005	0.009	0.073	0.105
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/09/71-10/16/81	8	0.09	0.093	0.21	0.01	0.004	0.066	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/24/96	14	0.02	0.02	0.05	0.005	0.	0.014	0.005	0.005	0.03	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	6	0.015	0.016	0.03	0.005	0.	0.009	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/21/83	3	1.8	1.8	1.9	1.7	0.01	0.1	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/09/71-10/16/81	8	2.05	2.155	2.8	1.7	0.157	0.396	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/05/92	11	0.2	0.274	0.6	0.1	0.032	0.178	0.1	0.1	0.4	0.58
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/16/81-10/16/81	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/74-10/05/92	13	0.5	0.448	1.2	0.1	0.08	0.284	0.1	0.23	0.55	0.96
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/73-10/16/81	5	2.	2.08	2.8	1.7	0.187	0.432	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/79-10/24/96	15	2.1	2.14	2.8	1.7	0.098	0.314	1.76	1.9	2.4	2.68
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/15/82-10/15/82	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/09/71-10/05/92	18	0.03	0.037	0.13	0.005	0.001	0.031	0.005	0.02	0.045	0.085
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/05/92	11	0.01	0.012	0.02	0.005	0.	0.006	0.005	0.005	0.02	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/24/96	14 ##	0.005	0.011	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.025
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/18/93-11/18/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-10/21/83	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/73-10/15/82	7	230.	231.429	280.	190.	1014.286	31.848	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/12/73-10/27/78	5	50.	54.2	74.	38.	196.2	14.007	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/73-10/05/92	16	47.	46.438	51.	30.	23.329	4.83	39.1	46.	49.	50.3
00916	CALCIUM, TOTAL (MG/L AS CA)	11/09/71-10/24/72	2	39.9	39.9	42.	37.8	8.82	2.97	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/73-10/05/92	16	31.	30.188	38.	16.	20.429	4.52	24.4	29.25	31.75	35.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/09/71-10/24/72	2	25.4	25.4	26.3	24.5	1.62	1.273	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/09/71-10/24/72	2	19.	19.	19.	19.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/73-10/05/92	16	25.5	24.75	29.	20.	8.467	2.91	20.	23.	26.75	29.
00931	SODIUM ADSORPTION RATIO	10/12/73-10/15/82	7	0.6	0.7	0.9	0.6	0.02	0.141	**	**	**	**
00932	SODIUM, PERCENT	10/12/73-10/15/82	7	18.	18.143	24.	15.	9.476	3.078	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/73-10/05/92	16	3.05	3.056	3.6	2.2	0.141	0.376	2.34	2.925	3.35	3.53
00937	POTASSIUM, TOTAL MG/L AS K)	11/09/71-10/24/72	2	2.54	2.54	2.6	2.48	0.007	0.085	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/09/71-10/24/96	22	41.	38.909	55.	27.	49.325	7.023	27.6	32.5	43.25	45.7
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/71-10/05/92	19	31.	34.263	69.	28.	82.316	9.073	28.	30.	35.	40.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/73-10/05/92	11	0.1	0.141	0.5	0.05	0.017	0.13	0.05	0.05	0.2	0.44
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/73-10/05/92	17	7.2	7.271	8.2	5.8	0.49	0.7	6.2	6.75	7.9	8.12
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/16/81-10/05/92	11 ##	0.5	0.818	3.	0.5	0.564	0.751	0.5	0.5	1.	2.6
01002	ARSENIC, TOTAL (UG/L AS AS)	10/12/73-11/05/79	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/18/93-11/18/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/26/88-10/05/92	5	27.	26.2	28.	24.	2.7	1.643	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/26/88-10/05/92	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/73-10/05/92	16 ##	0.5	0.563	2.	0.	0.229	0.479	0.	0.5	0.5	1.3
01027	CADMIUM, TOTAL (UG/L AS CD)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/18/93-11/18/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/18/93-11/18/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/73-10/05/92	16 ##	1.5	2.063	10.	0.	5.796	2.407	0.	0.5	2.5	5.8
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/09/71-11/05/79	3 ##	50.	36.667	50.	10.	533.333	23.094	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/12/73-10/05/92	12 ##	1.5	1.25	4.	0.	1.25	1.118	0.	0.125	1.5	3.4
01037	COBALT, TOTAL (UG/L AS CO)	11/09/71-10/24/72	2 ##	112.5	112.5	125.	100.	312.5	17.678	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/73-10/05/92	16 ##	4.	3.625	10.	0.	9.283	3.047	0.	0.625	5.	9.3
01042	COPPER, TOTAL (UG/L AS CU)	11/09/71-11/05/79	3 ##	125.	86.667	125.	10.	4408.333	66.395	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/18/93-11/18/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/09/71-10/24/72	2 ##	287.5	287.5	500.	75.	90312.5	300.52	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/73-10/05/92	16	11.	27.	120.	5.	1359.6	36.873	5.	7.	20.	113.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/73-10/05/92	16 ##	2.5	3.063	7.	0.5	4.263	2.065	0.5	1.	5.	5.6
01051	LEAD, TOTAL (UG/L AS PB)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/18/93-11/18/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/18/93-11/18/93	1	360.	360.	360.	360.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/71-10/24/72	2 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/73-10/05/92	16	14.	18.625	60.	5.	183.983	13.564	7.1	10.25	27.5	39.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/26/88-10/05/92	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/73-10/05/92	16	4.	3.375	6.	1.	3.183	1.784	1.	1.25	5.	5.3
01067	NICKEL, TOTAL (UG/L AS NI)	11/09/71-10/24/72	2 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/05/92	9 ##	0.5	1.056	3.	0.5	1.215	1.102	0.5	0.5	1.75	3.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/26/88-10/05/92	5	58.	62.	76.	56.	68.5	8.276	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/26/88-10/05/92	5 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/73-10/05/92	16 ##	5.	8.906	42.	0.	118.874	10.903	1.05	1.5	10.75	26.6
01092	ZINC, TOTAL (UG/L AS ZN)	11/09/71-11/05/79	3 ##	10.	15.	25.	10.	75.	8.66	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/18/93-11/18/93	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/05/92	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/82-10/05/92	10	55.5	64.7	100.	28.	755.344	27.484	28.9	42.25	98.5	100.
01132	LITHIUM, TOTAL (UG/L AS LI)	11/09/71-10/24/72	2 ##	37.5	37.5	50.	25.	312.5	17.678	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/05/79-11/05/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/18/93-11/18/93	1	9300.	9300.	9300.	9300.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/09/71-10/12/73	3	6800.	11766.667	28000.	500.	207563333.333	14407.058	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/09/71-10/12/73	3	3.833	3.66	4.447	2.699	0.786	0.887	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4566.102								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/09/71-10/12/73	3	152.	205.667	425.	40.	39216.333	198.031	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/09/71-10/12/73	3	2.182	2.137	2.628	1.602	0.265	0.515	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			137.224								

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Parameter Inventory for Station: VAFO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/09/71-10/12/73	3	196.	182.667	224.	128.	2437.333	49.369	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/09/71-10/12/73	3	2.292	2.25	2.35	2.107	0.016	0.127	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			177.789								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/31/77-10/15/82	4	0.015	0.033	0.1	0.	0.002	0.047	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/85-11/18/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/09/85-11/18/93	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/09/85-11/18/93	2	5.	5.	5.	5.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	2	1.55	1.55	1.7	1.4	0.045	0.212	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	2	5.85	5.85	10.	1.7	34.445	5.869	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	2	3.4	3.4	3.6	3.2	0.08	0.283	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-11/18/93	2	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-11/18/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/09/85-11/18/93	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/09/85-11/18/93	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/85-11/18/93	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-10/09/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/09/85-11/18/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-11/16/87	10	311.	309.6	336.	284.	219.378	14.811	284.7	301.5	316.	334.9
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/12/73-10/27/78	5	280.	285.6	352.	241.	1646.3	40.575	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/15/82-10/15/82	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/12/73-10/15/82	7	0.42	0.406	0.46	0.33	0.002	0.04	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/09/71-10/16/81	8	0.02	0.031	0.1	0.005	0.001	0.03	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/05/79-11/05/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/16/81-10/15/82	2	0.08	0.08	0.1	0.06	0.001	0.028	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/16/81-10/15/82	2	7.95	7.95	8.4	7.5	0.405	0.636	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/16/81-10/15/82	2	0.085	0.085	0.1	0.07	0.	0.021	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/79-10/21/83	3	0.06	0.07	0.09	0.06	0.	0.017	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/31/77-10/16/81	4	10.	11.	14.	10.	4.	2.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/05/92	11 ##	0.05	0.105	0.3	0.05	0.008	0.088	0.05	0.05	0.2	0.28
71900	MERCURY, TOTAL (UG/L AS HG)	11/05/79-11/05/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/18/93-11/18/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/09/85-11/18/93	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	9	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	19	0	0.00	19	0	0.00									
00400	PH	Fresh Chronic	9.	22	1	0.05	22	1	0.05									
		Other-Lo Lim.	6.5	22	1	0.05	22	1	0.05									
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	0	0.00	11	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	14	0	0.00	14	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	6	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	8	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	15	0	0.00	15	0	0.00									
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	22	0	0.00									
		Drinking Water	250.	22	0	0.00	22	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	0	0.00	19	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	11	0	0.00									

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EPA Water Quality Criteria Analysis for Station: VAFO0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	11	0	0.00	11	0	0.00									
		Drinking Water	50.	11	0	0.00	11	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	5	0	0.00	5	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	5	0	0.00	5	0	0.00									
		Drinking Water	4.	5	0	0.00	5	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	16	0	0.00	16	0	0.00									
		Drinking Water	5.	16	0	0.00	16	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	16	0	0.00	16	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	16	0	0.00	16	0	0.00									
		Drinking Water	1300.	16	0	0.00	16	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	3	0	0.00	3	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	16	0	0.00	16	0	0.00									
		Drinking Water	15.	16	0	0.00	16	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	16	0	0.00	16	0	0.00									
		Drinking Water	100.	16	0	0.00	16	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	0 &	0	0.00												
01075	SILVER, DISSOLVED	Fresh Acute	4.1	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	16	0	0.00	16	0	0.00									
		Drinking Water	5000.	16	0	0.00	16	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	3	0	0.00									
		Drinking Water	5000.	3	0	0.00	3	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	2	0.67	3	2	0.67									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	1	0.33	3	1	0.33									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	11	0	0.00	11	0	0.00									
		Drinking Water	2.	11	0	0.00	11	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0124

NPS Station ID: VAFO0124
LAT/LON: 40.069726/ -75.473615
Agency: 11NPSWRD
Date Created: 08/15/98
Location: VALLEY CREEK NEAR VALLEY FORGE; PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_VACR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE SITE IS LOCATED ON THE VALLEY FORGE; PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE; AND IS APPROXIMATELY 1 MILE SOUTHWEST OF VALLEY FORGE NATIONAL HISTORIC PARK AT VALLEY CREEK NEAR VALLEY FORGE; PENNSYLVANIA. THE CREEK FLOWS IN A NORTHERLY DIRECTION AND JOINS THE SCHUYLKILL RIVER IN THE PARK. THE DATA ARE FROM THE 1989 U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 85-686 "PHYSICAL; CHEMICAL; AND BIOLOGICAL DATA FOR SELECTED STREAMS IN CHESTER COUNTY; PENNSYLVANIA 1969-80"; BY CRAIG R. MOORE. THE REPORT WAS PREPARED TO PROVIDE A BASE-LINE OF THE EXISTING STREAM CONDITIONS. DATA WERE PROCESSED AND UPLOADED TO STORET BY ERIC LORD AT NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525; TEL(970) 225-3514; FAX(970) 225-9965.

Parameter Inventory for Station: VAFO0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/76-10/31/80	2	7.25	7.25	7.5	7.	0.125	0.354	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/29/76-10/31/80	2	592.	592.	604.	580.	288.	16.971	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/29/76-10/31/80	2	12.4	12.4	12.8	12.	0.32	0.566	**	**	**	**
00400	PH (STANDARD UNITS)	10/29/76-10/31/80	2	7.9	7.9	8.	7.8	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/29/76-10/31/80	2	7.889	7.889	8.	7.8	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/76-10/31/80	2	0.013	0.013	0.016	0.01	0.	0.004	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/29/76-10/29/76	1	196.	196.	196.	196.	0.	0.	**	**	**	**
00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	10/29/76-10/29/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	10/29/76-10/29/76	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/31/80	2	2.25	2.25	2.4	2.1	0.045	0.212	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/29/76-10/31/80	2	0.2	0.2	0.23	0.17	0.002	0.042	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/76-10/31/80	2	0.085	0.085	0.14	0.03	0.006	0.078	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/31/80	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/29/76-10/31/80	2	1.95	1.95	2.	1.9	0.005	0.071	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/29/76-10/31/80	2	1.95	1.95	2.	1.9	0.005	0.071	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/29/76-10/31/80	2	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/76-10/31/80	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10/29/76-10/31/80	2	250.	250.	260.	240.	200.	14.142	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/29/76-10/29/76	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/29/76-10/31/80	2	45.	45.	46.	44.	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/29/76-10/31/80	2	33.	33.	35.	31.	8.	2.828	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/29/76-10/31/80	2	25.5	25.5	29.	22.	24.5	4.95	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/29/76-10/31/80	2	3.15	3.15	3.2	3.1	0.005	0.071	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/29/76-10/31/80	2	40.	40.	46.	34.	72.	8.485	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/29/76-10/31/80	2	39.	39.	43.	35.	32.	5.657	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/29/76-10/31/80	2 ##	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/29/76-10/31/80	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/29/76-10/31/80	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/29/76-10/31/80	2 ##	7.	7.	10.	4.	18.	4.243	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/29/76-10/31/80	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/29/76-10/31/80	2 ##	5.	5.	10.	0.	50.	7.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/29/76-10/31/80	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/29/76-10/31/80	2 ##	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/29/76-10/31/80	2	30.	30.	30.	30.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/29/76-10/31/80	2 ##	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/29/76-10/31/80	2 ##	5.	5.	10.	0.	50.	7.071	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/31/80-10/31/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/29/76-10/31/80	2	320.5	320.5	333.	308.	312.5	17.678	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/29/76-10/29/76	1	300.	300.	300.	300.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/29/76-10/31/80	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00400	PH	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0125

NPS Station ID: VAFO0125 | LAT/LON: 40.063983/ -75.475584 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: LITTLE VALLEY CK US FROM CRABBY CK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_CRAB
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LITTLE VALLEY CREEK UPSTREAM FROM CRABBY CREEK. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/19/93-05/19/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/93-05/19/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/93-05/19/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/93-05/19/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/19/93-05/19/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/19/93-05/19/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/19/93-05/19/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	05/19/93-05/19/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/19/93-05/19/93	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/19/93-05/19/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0126

NPS Station ID: VAFO0126
LAT/LON: 40.068115/ -75.484865
Agency: 11NPSWRD
Date Created: 07/03/99
Location: SPRING AT LEBOUTILLIER ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI_LT
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING AT LEBOUTILLIER ROAD. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	10	13.05	12.5	13.4	10.	1.582	1.258	10.04	11.975	13.4	13.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	10	395.	383.2	410.	330.	782.4	27.971	331.2	363.	402.5	410.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-12/14/94	9	6.1	6.078	6.9	5.1	0.462	0.68	5.1	5.35	6.75	6.9
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	18	0.4	0.472	0.8	0.1	0.052	0.227	0.19	0.35	0.65	0.8
00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	17 ##	5.	5.353	11.	5.	2.118	1.455	5.	5.	5.	6.2
00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	9	7.62	7.639	7.75	7.61	0.002	0.045	7.61	7.615	7.65	7.75
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/28/94-12/14/94	9	7.62	7.637	7.75	7.61	0.002	0.045	7.61	7.615	7.65	7.75
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/94-12/14/94	9	0.024	0.023	0.025	0.018	0.	0.002	0.018	0.022	0.024	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	212.	212.	224.	200.	39.059	6.25	200.	208.	214.5	220.4
00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	17	310.	307.176	338.	232.	761.029	27.587	265.6	292.	329.	333.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	16	304.5	300.938	332.	214.	858.063	29.293	256.	294.	322.	327.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	16	5.	6.75	37.	1.	77.933	8.828	1.	1.	9.5	18.1
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	16 ##	0.2	0.181	0.4	0.	0.007	0.083	0.07	0.125	0.2	0.26
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.01	0.011	0.02	0.01	0.	0.002	0.01	0.01	0.01	0.011
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.002	0.003	0.01	0.002	0.	0.002	0.002	0.002	0.002	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18	1.13	1.142	1.25	1.01	0.006	0.075	1.01	1.085	1.21	1.25
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	18 ##	0.1	0.107	0.23	0.1	0.001	0.031	0.1	0.1	0.1	0.113
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	18 ##	0.01	0.014	0.03	0.01	0.	0.006	0.01	0.01	0.02	0.021
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	18 ##	0.5	0.528	1.	0.5	0.014	0.118	0.5	0.5	0.5	0.55
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	210.	227.889	534.	174.	6033.987	77.679	192.9	201.5	222.	267.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	4	43.85	45.125	52.3	40.5	32.416	5.693	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	18	47.55	47.489	53.1	43.	6.438	2.537	43.27	46.15	48.675	51.03
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	4	25.7	25.65	28.1	23.1	4.497	2.121	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	18	27.15	27.089	29.3	24.3	1.799	1.341	24.57	26.375	28.1	28.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	18	20.5	20.833	25.	19.	3.794	1.948	19.	19.	21.5	24.1
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	17	19.	19.235	20.	18.	0.566	0.752	18.	19.	20.	20.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	9 ##	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	18 ##	0.1	0.367	4.	0.1	0.851	0.922	0.1	0.1	0.1	1.12
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	18 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	10 ##	5.	7.5	15.	5.	17.167	4.143	5.	5.	11.75	14.9
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	18	11.5	13.556	63.	5.	186.732	13.665	5.	5.	17.25	26.1
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	18	31.5	37.667	147.	5.	984.	31.369	5.	22.75	44.	73.2
01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	10	13.	17.3	62.	5.	308.678	17.569	5.	5.	22.75	58.6
01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	9 ##	0.5	1.167	2.	0.5	0.625	0.791	0.5	0.5	2.	2.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	18 ##	2.	1.917	6.	0.5	1.831	1.353	0.5	0.5	2.	4.2
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	18 ##	5.	5.556	15.	5.	5.556	2.357	5.	5.	5.	6.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	10 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	18 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	10 ##	5.	9.5	38.	5.	106.5	10.32	5.	5.	11.	35.3
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	18	11.	12.056	38.	5.	66.644	8.164	5.	5.	14.	22.7
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	18	135.	157.278	631.	67.5	15544.389	124.677	67.5	118.125	158.25	248.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	10	135.	138.4	167.	135.	101.378	10.069	135.	135.	135.5	164.
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	8	250.	748.75	3300.	100.	1218726.786	1103.96	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	8	40.	121.25	400.	10.	21726.786	147.4	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	8 ##	10.	23.75	120.	5.	1533.929	39.165	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	4 ##	0.3	0.3	0.5	0.1	0.053	0.231	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	18 ##	0.1	0.139	0.4	0.1	0.008	0.092	0.1	0.1	0.1	0.31
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	18 ##	0.5	0.961	4.7	0.5	0.986	0.993	0.5	0.5	1.125	1.82

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	4	0	0.00				5	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00	4	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	4	0	0.00				5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	250.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	5.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18	1	0.06	7	0	0.00	1	0	0.00	10	1	0.10			
		Drinking Water	5.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	18	4	0.22	7	1	0.14	1	0	0.00	10	3	0.30			
		Drinking Water	1300.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	15.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	5000.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	5000.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	8	0	0.00	3	0	0.00				5	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00							4	0	0.00			
		Drinking Water	2.	4	0	0.00							4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	2.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0127

NPS Station ID: VAFO0127 LAT/LON: 40.123365/ -75.485503 Agency: 21PA Date Created: 05/31/86
Location: PHILA SUBURB WATER/PICKER CR STATION/SPRING S FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING/MONITR/BACK/IMPDMT STORET Station ID(s): GW00005940 /231SCKN-1194
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: DELAWARE Elevation: 0 Water Body Id:
Minor Basin: LOWER DELAWARE ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 3.50 On/Off RF1:
RF3 Index: 02040205066600.00 RF3 Mile Point: 0.59 Distance from RF3: 0.25 On/Off RF3:
Description:
PRIMARY STATION CODE - GW00005940; ELEVATION (72000) - 0110'; 7.5' QUADRANGLE NAME - VALLEY FORGE, 08223; LOCATION (LAT./LONG.) - 400724.1, 0752907.8; AQUIFER NAME - STOCKTON FORMATION;

Parameter Inventory for Station: VAFO0127

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0128

NPS Station ID: VAFO0128 LAT/LON: 40.059365/ -75.488088 Agency: 11NPSWRD Date Created: 07/03/99
Location: LITTLE VALLEY CREEK STATION 6 (N. VALLEY RD) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_LVC_6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT NORTH VALLEY ROAD AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0128

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0129

NPS Station ID: VAFO0129 LAT/LON: 40.061226/ -75.488392 Agency: 11NPSWRD Date Created: 10/05/99
Location: LITTLE VALLEY CK AT WESSEL'S PROPERTY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_LVC1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LITTLE VALLEY CREEK AT WESSEL'S PROPERTY. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/91-12/12/91	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/91-12/12/91	1	583.	583.	583.	583.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/12/91	1	12.4	12.4	12.4	12.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/12/91-12/12/91	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/12/91-12/12/91	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/91-12/12/91	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/91-12/12/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/91-12/12/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/12/91-12/12/91	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0130

NPS Station ID: VAFO0130 | LAT/LON: 40.059170/ -75.488559 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: LITTLE VALLEY CK US OF N. VALLEY RD. | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_NPS_LVC3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LITTLE VALLEY CREEK UPSTREAM OF NORTH VALLEY ROAD. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/91-02/22/92	5	4.8	4.78	5.8	4.1	0.412	0.642	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/91-02/04/92	4	603.5	593.25	618.	548.	1030.25	32.098	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/91-02/22/92	5	14.2	14.22	15.2	13.	0.632	0.795	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/21/91-02/22/92	5	8.1	8.08	8.2	8.	0.007	0.084	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/91-02/22/92	5	8.1	8.074	8.2	8.	0.007	0.084	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/91-02/22/92	5	0.008	0.008	0.01	0.006	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/20/91-02/22/92	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/20/91-02/22/92	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/09/92-02/04/92	3	80.	86.667	100.	80.	133.333	11.547	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/22/92-01/22/92	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	02/04/92-02/22/92	2	50.	50.	100.	0.	5000.	70.711	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/09/92-02/04/92	3	0.9	1.	1.2	0.9	0.03	0.173	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/20/91-02/22/92	6 ##	0.	33.333	100.	0.	2666.667	51.64	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00				2	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00	2	0	0.00						
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	6	2	0.33	3	2	0.67	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0131

NPS Station ID: VAFO0131
LAT/LON: 40.065726/ -75.490393
Agency: 11NPSWRD
Date Created: 07/03/99
Location: VALLEY CREEK AT NORTH VALLEY ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI85_6
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT NORTH VALLEY ROAD AT GREAT VALLEY MILLS. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED AND TO DETERMINE THE IMPACT OF THE WARNER COMPANY'S CEDAR HOLLOW QUARRY DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/84-11/08/84	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/08/84-11/08/84	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/84-11/08/84	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/08/84-11/08/84	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/08/84-11/08/84	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/84-11/08/84	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	204.	204.	204.	204.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	1	336.	336.	336.	336.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/08/84-11/08/84	1	318.	318.	318.	318.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/08/84-11/08/84	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/08/84-11/08/84	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/08/84-11/08/84	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/84-11/08/84	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	1	37.	37.	37.	37.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/08/84-11/08/84	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/08/84-11/08/84	1	120.	120.	120.	120.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/08/84-11/08/84	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0132

NPS Station ID: VAFO0132 LAT/LON: 40.122670/ -75.492505 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 396 AT PICKERING CK BELOW PUMPING PLANT FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_396
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 396 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT PICKERING CREEK JUST BELOW THE PUMPING PLANT. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	41	13.	12.48	20.2	0.6	31.696	5.63	4.2	7.5	16.3	19.66
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	36	17.4	16.253	48.	-7.7	105.777	10.285	1.7	12.	22.75	26.65
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	41	161.	161.61	216.	82.	915.844	30.263	115.2	147.5	186.	200.
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	39	10.2	10.769	19.9	4.8	7.844	2.801	7.6	9.	12.2	13.6
00335	COD, .025N K2CR2O7 MG/L	01/18/70-03/18/97	49 ##	2.5	8.398	55.3	1.	153.056	12.372	2.5	2.5	8.95	27.
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	42	7.3	7.35	8.3	6.1	0.198	0.445	6.8	7.	7.6	8.04
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	42	7.3	7.114	8.3	6.1	0.255	0.505	6.8	7.	7.6	8.04
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	42	0.05	0.077	0.794	0.005	0.015	0.123	0.009	0.025	0.1	0.158
00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	15	7.5	7.512	8.55	6.49	0.23	0.48	6.766	7.27	7.84	8.22
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/08/90-10/09/97	15	7.5	7.259	8.55	6.49	0.298	0.546	6.766	7.27	7.84	8.22
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/90-10/09/97	15	0.032	0.055	0.324	0.003	0.006	0.079	0.007	0.014	0.054	0.197
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	35	44.	46.814	178.	8.5	642.81	25.354	30.2	37.5	50.5	55.2
00612	AMMONIA, UNIONZED (MG/L AS N)	05/06/70-03/18/97	42 ##	0.005	0.031	0.21	0.005	0.002	0.049	0.005	0.005	0.04	0.11
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/05/70-03/18/97	42 ##	0.005	0.039	1.15	0.005	0.031	0.176	0.005	0.005	0.013	0.037
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	35	0.12	0.217	0.87	0.005	0.058	0.241	0.005	0.06	0.27	0.72
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/18/70-03/18/97	48	1.6	2.266	7.53	0.93	2.85	1.688	1.	1.3	2.265	5.076
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/18/70-03/18/97	48 ##	0.005	0.014	0.11	0.004	0.	0.021	0.005	0.005	0.01	0.032
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	36	78.	78.417	130.	37.	346.193	18.606	58.1	66.25	88.75	106.
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/70-03/18/97	47	10.	14.811	135.	0.79	514.634	22.686	5.878	7.1	14.	19.04
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/70-03/18/97	47	2.1	3.039	19.	0.07	8.965	2.994	1.2	1.5	3.3	6.04
00940	CHLORIDE,TOTAL IN WATER MG/L	01/18/70-03/18/97	48	16.	17.146	50.	7.	57.574	7.588	10.9	12.	19.	27.1
00945	SULFATE, TOTAL (MG/L AS SO4)	01/18/70-03/18/97	49	19.	20.163	50.	4.	49.056	7.004	14.	17.	22.	31.
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	36	0.07	0.098	0.91	0.03	0.02	0.143	0.04	0.05	0.09	0.123
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	38 ##	5.	7.5	100.	5.	237.5	15.411	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	01/18/70-03/18/97	46	200.	363.913	4300.	60.	449939.903	670.776	60.	60.	300.	990.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/18/70-03/18/97	46 ##	25.	60.978	400.	25.	7606.244	87.214	25.	25.	25.	215.
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/70-03/18/97	46 ##	10.	13.913	100.	10.	344.348	18.557	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/18/70-06/09/88	25	3900.	26138.22	300000.	0.548	12789888.418	69374.274	7.2	750.	16000.	99200.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/18/70-06/09/88	25	3.591	3.259	5.477	-0.301	2.027	1.424	0.853	2.849	4.203	4.824
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			1817.446								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	44	360.	4250.25	64000.	10.	172349921.355	13128.211	28.	92.5	915.	7350.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	44	2.554	2.574	4.806	1.	0.77	0.878	1.429	1.966	2.961	3.847
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			375.162								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	51	420.	6273.294	200000.	0.5	839009228.872	28965.656	2.	30.	1110.	6380.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	51	2.623	2.302	5.301	-0.301	1.65	1.284	0.301	1.477	3.045	3.804
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			200.533								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/18/70-03/18/97	48	0.02	0.043	0.35	0.005	0.005	0.069	0.005	0.005	0.03	0.153
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	34	3.	9.015	110.	0.25	440.61	20.991	0.5	1.	5.	24.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/18/70-03/18/97	49	123.	133.939	485.	81.	3166.975	56.276	101.	108.5	137.	166.
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	20	0.825	1.163	3.2	0.1	0.702	0.838	0.2	0.625	1.75	2.71

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0132

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	39	0	0.00	11	0	0.00	10	0	0.00	18	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	42	0	0.00	13	0	0.00	10	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	42	1	0.02	13	1	0.08	10	0	0.00	19	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	15	1	0.07	6	0	0.00	4	1	0.25	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	42	1	0.02	13	0	0.00	10	0	0.00	19	1	0.05			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	48	0	0.00	14	0	0.00	13	0	0.00	21	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	48	0	0.00	14	0	0.00	13	0	0.00	21	0	0.00			
		Drinking Water	250.	48	0	0.00	14	0	0.00	13	0	0.00	21	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	49	0	0.00	15	0	0.00	13	0	0.00	21	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	36	0	0.00	9	0	0.00	10	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00	1	1	1.00									
		Drinking Water	5.	1 &	1	1.00	1	1	1.00									
01092	ZINC, TOTAL	Fresh Acute	120.	46	0	0.00	15	0	0.00	13	0	0.00	18	0	0.00			
		Drinking Water	5000.	46	0	0.00	15	0	0.00	13	0	0.00	18	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	25	19	0.76	9	9	1.00	5	2	0.40	11	8	0.73			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	44	27	0.61	15	9	0.60	10	4	0.40	19	14	0.74			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	13	15.	14.277	20.	6.	11.557	3.4	8.36	12.05	16.3	18.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	12	17.75	16.792	24.	1.	38.255	6.185	4.3	14.225	21.525	23.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	14	152.5	162.571	200.	120.	653.341	25.561	128.5	148.	195.25	200.
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	11	9.	8.9	13.5	4.8	5.696	2.387	5.	7.6	10.2	13.
00335	COD, .025N K2CR2O7 MG/L	01/18/70-03/18/97	16	4.5	10.063	30.	1.	98.629	9.931	2.05	2.5	17.875	27.9
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	13	7.3	7.169	7.9	6.1	0.256	0.506	6.34	6.8	7.6	7.86
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	13	7.3	6.873	7.9	6.1	0.351	0.592	6.34	6.8	7.6	7.86
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	13	0.05	0.134	0.794	0.013	0.043	0.208	0.014	0.026	0.158	0.556
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	8	50.25	50.438	57.	44.	15.103	3.886	**	**	**	**
00612	AMMONIA, UNIONZED (MG/L AS N)	05/06/70-03/18/97	13 ##	0.005	0.018	0.13	0.005	0.001	0.036	0.005	0.005	0.008	0.098
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/05/70-03/18/97	13 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.016
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	8	0.09	0.109	0.24	0.005	0.006	0.077	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/18/70-03/18/97	14	1.59	2.473	7.	0.96	3.878	1.969	0.975	1.143	3.71	6.56
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/18/70-03/18/97	15	0.01	0.011	0.03	0.004	0.	0.009	0.005	0.005	0.01	0.03
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	9	80.	84.556	108.	63.	332.028	18.222	63.	67.	106.	108.
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/70-03/18/97	15	6.	7.451	18.	1.77	17.235	4.151	3.408	6.	7.18	16.8
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/70-03/18/97	15	2.1	2.438	8.	1.1	2.632	1.622	1.268	1.51	2.5	5.03
00940	CHLORIDE,TOTAL IN WATER MG/L	01/18/70-03/18/97	14	14.	14.643	23.	11.	11.17	3.342	11.	12.	17.	20.5
00945	SULFATE, TOTAL (MG/L AS SO4)	01/18/70-03/18/97	15	18.	18.933	31.	4.	54.781	7.401	8.2	15.	22.	31.
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	9	0.06	0.06	0.1	0.03	0.001	0.023	0.03	0.04	0.075	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	12 ##	5.	12.917	100.	5.	752.083	27.424	5.	5.	5.	71.5
01045	IRON, TOTAL (UG/L AS FE)	01/18/70-03/18/97	15 ##	60.	180.667	900.	60.	49406.667	222.276	60.	60.	300.	540.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/18/70-03/18/97	15 ##	25.	55.	300.	25.	6625.	81.394	25.	25.	25.	240.
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/70-03/18/97	15 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/18/70-06/09/88	9	17000.	46055.556	300000.	1900.	9161615277.778	95716.327	1900.	4450.	26500.	300000.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/18/70-06/09/88	9	4.23	4.157	5.477	3.279	0.435	0.66	3.279	3.577	4.414	5.477
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			14367.218								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	15	320.	3768.067	43000.	36.	123460466.067	11111.277	56.4	90.	580.	22900.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	15	2.505	2.58	4.633	1.556	0.664	0.815	1.73	1.954	2.763	4.24
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			379.81								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	17	870.	1697.765	11300.	70.	7394304.941	2719.247	110.	315.	1830.	5620.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	17	2.94	2.88	4.053	1.845	0.325	0.57	2.032	2.478	3.231	3.709
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			758.391								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/18/70-03/18/97	15	0.03	0.054	0.35	0.005	0.009	0.092	0.005	0.01	0.03	0.248
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	8	1.5	2.875	10.	0.5	10.625	3.26	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/18/70-03/18/97	15	128.	129.533	204.	103.	700.267	26.463	104.2	106.	134.	181.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	10	5.	5.25	15.9	0.6	19.058	4.366	0.64	1.6	6.625	15.01
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	8	4.75	4.2	17.8	-7.7	61.18	7.822	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	8	134.	143.25	216.	82.	2009.929	44.832	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	10	12.45	12.66	19.9	7.6	9.616	3.101	7.88	11.45	13.45	19.27
00335	COD, .025N K2CR2O7 MG/L	01/18/70-03/18/97	12 ##	2.5	14.458	55.3	2.5	424.292	20.598	2.5	2.5	26.5	54.97
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	10	7.3	7.21	7.5	6.8	0.061	0.247	6.81	6.975	7.425	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	10	7.3	7.144	7.5	6.8	0.066	0.256	6.81	6.975	7.425	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	10	0.05	0.072	0.158	0.032	0.002	0.043	0.032	0.038	0.106	0.155
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	10	37.5	50.	178.	18.	2076.	45.563	19.5	33.75	42.75	164.7
00612	AMMONIA, UNIONZED (MG/L AS N)	05/06/70-03/18/97	10	0.015	0.033	0.18	0.005	0.003	0.053	0.005	0.005	0.033	0.166
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/05/70-03/18/97	10 ##	0.005	0.008	0.04	0.005	0.	0.011	0.005	0.005	0.005	0.037
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	10	0.07	0.159	0.75	0.005	0.049	0.222	0.006	0.048	0.22	0.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/18/70-03/18/97	13	2.	2.787	7.53	1.33	4.228	2.056	1.358	1.75	2.7	7.354
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/18/70-03/18/97	13 ##	0.005	0.017	0.07	0.005	0.001	0.024	0.005	0.005	0.02	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	10	71.5	68.9	94.	37.	358.989	18.947	37.5	54.75	82.	93.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/70-03/18/97	13	13.68	19.104	100.	0.79	616.964	24.839	3.474	9.	17.4	68.
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/70-03/18/97	13	2.	2.593	6.	0.7	2.869	1.694	0.94	1.5	3.38	6.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/18/70-03/18/97	13	20.	23.846	50.	10.	116.974	10.815	12.	16.	30.	44.4
00945	SULFATE, TOTAL (MG/L AS SO4)	01/18/70-03/18/97	13	19.	19.462	32.	12.	22.103	4.701	13.2	17.5	22.	28.
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	10	0.05	0.06	0.09	0.04	0.	0.021	0.04	0.04	0.083	0.09
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/18/70-03/18/97	13	200.	242.308	1200.	60.	92419.231	304.005	60.	60.	275.	848.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/18/70-03/18/97	13 ##	25.	68.462	400.	25.	11243.269	106.034	25.	25.	62.5	296.
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/70-03/18/97	13 ##	10.	16.923	100.	10.	623.077	24.962	10.	10.	10.	64.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/18/70-06/09/88	5	500.	1945.4	7300.	6.	9556892.8	3091.422	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/18/70-06/09/88	5	2.699	2.388	3.863	0.778	1.699	1.303	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			244.503								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	10	75.	351.	2100.	10.	412654.444	642.382	11.	20.	390.	1950.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	10	1.849	1.999	3.322	1.	0.546	0.739	1.03	1.301	2.573	3.268
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			99.672								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	13	30.	4668.808	60000.	0.5	276402563.314	16625.359	1.1	11.	40.	36176.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	13	1.477	1.509	4.778	-0.301	1.52	1.233	-0.06	0.801	1.602	3.924
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			32.264								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/18/70-03/18/97	13	0.02	0.035	0.15	0.005	0.002	0.045	0.005	0.005	0.04	0.134
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	10	2.5	5.375	34.	0.25	103.156	10.157	0.275	0.875	3.5	31.1
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/18/70-03/18/97	13	120.	122.	154.	98.	391.5	19.786	98.	101.5	137.	153.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	18	15.75	15.2	20.2	8.	15.28	3.909	8.18	11.9	19.125	20.02
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	16	21.	21.875	48.	10.	78.782	8.876	11.54	16.25	26.375	33.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	19	165.	168.632	212.	110.	579.135	24.065	146.	155.	187.	201.
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	18	10.1	10.861	16.9	8.2	4.72	2.173	8.47	9.35	11.75	14.02
00335	COD, .025N K2CR2O7 MG/L	01/18/70-03/18/97	21 ##	2.5	3.667	16.	2.	12.244	3.499	2.5	2.5	2.5	10.32
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	19	7.4	7.547	8.3	7.	0.175	0.418	7.	7.3	7.7	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	19	7.4	7.393	8.3	7.	0.2	0.447	7.	7.3	7.7	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	19	0.04	0.04	0.1	0.005	0.001	0.031	0.005	0.02	0.05	0.1
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	43.	43.235	69.	8.5	165.097	12.849	22.5	37.75	51.	55.4
00612	AMMONIA, UNIONZED (MG/L AS N)	05/06/70-03/18/97	19	0.01	0.039	0.21	0.005	0.003	0.054	0.005	0.005	0.06	0.11
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/05/70-03/18/97	19 ##	0.005	0.077	1.15	0.005	0.068	0.261	0.005	0.005	0.03	0.08
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	0.17	0.302	0.87	0.005	0.077	0.278	0.005	0.1	0.515	0.774
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/18/70-03/18/97	21	1.4	1.806	4.96	0.93	1.211	1.101	1.008	1.225	1.71	4.15
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/18/70-03/18/97	20 ##	0.005	0.015	0.11	0.005	0.001	0.025	0.005	0.005	0.01	0.047
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	78.	80.765	130.	56.	305.691	17.484	58.4	69.5	88.5	105.2
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/70-03/18/97	19	10.	17.683	135.	6.	823.307	28.693	7.13	8.1	14.	23.
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/70-03/18/97	19	2.5	3.819	19.	0.07	17.864	4.227	1.2	1.34	5.	8.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/18/70-03/18/97	21	14.	14.667	25.	7.	17.833	4.223	8.4	12.	17.	19.8
00945	SULFATE, TOTAL (MG/L AS SO4)	01/18/70-03/18/97	21	20.	21.476	50.	13.	62.862	7.929	14.4	17.	22.	30.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	0.09	0.141	0.91	0.04	0.041	0.202	0.048	0.07	0.115	0.342
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/18/70-03/18/97	18	250.	604.444	4300.	60.	982896.732	991.411	60.	195.	625.	1618.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/18/70-03/18/97	18 ##	25.	60.556	300.	25.	6667.32	81.654	25.	25.	41.25	255.
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/70-03/18/97	18 ##	10.	15.	100.	10.	450.	21.213	10.	10.	10.	19.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/18/70-06/09/88	11	3800.	20838.955	200000.	0.5	3537013817.223	59472.799	2.	20.	4800.	161580.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/18/70-06/09/88	11	3.58	2.921	5.301	-0.301	2.606	1.614	-0.06	1.301	3.681	5.02
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			833.292								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	19	800.	6683.158	64000.	20.	300605300.585	17337.973	60.	150.	1200.	46000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	19	2.903	2.873	4.806	1.301	0.772	0.879	1.778	2.176	3.079	4.663
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			746.393								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	21	470.	10970.548	200000.	0.518831	30196.423	43395.048	0.5	45.	1800.	9560.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/18/70-03/18/97	21	2.672	2.326	5.301	-0.301	2.26	1.503	-0.301	1.651	3.23	3.974
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			211.693								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/18/70-03/18/97	20	0.01	0.04	0.22	0.005	0.004	0.064	0.005	0.005	0.038	0.177
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	16	4.5	14.359	110.	0.25	843.083	29.036	0.425	1.25	10.	73.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/18/70-03/18/97	21	123.	144.476	485.	81.	6651.862	81.559	101.	113.	139.	183.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0133

NPS Station ID: VAFO0133 LAT/LON: 40.122810/ -75.492560 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 402 AT PICKERING CK ABOVE PUMPING PLANT FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_402
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 402 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT PICKERING CREEK JUST ABOVE THE PUMPING PLANT. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	36	13.5	12.458	23.	0.6	41.811	6.466	3.16	6.2	17.	20.86
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	30	17.7	14.94	26.5	-6.6	76.076	8.722	2.3	-2.95	22.25	25.54
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	36	171.	167.806	230.	82.	1424.39	37.741	111.7	146.75	197.5	218.1
00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	35	10.3	10.863	17.4	6.1	4.942	2.223	8.22	9.4	12.	13.74
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	37 ##	2.5	3.603	36.5	2.	31.429	5.606	2.5	2.5	2.5	4.04
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	37	7.4	7.414	8.5	6.7	0.167	0.408	6.88	7.1	7.7	8.02
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	37	7.4	7.255	8.5	6.7	0.193	0.439	6.88	7.1	7.7	8.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	37	0.04	0.056	0.2	0.003	0.002	0.047	0.01	0.02	0.079	0.132
00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	16	7.69	7.632	8.5	6.45	0.28	0.529	6.842	7.38	8.028	8.444
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/08/90-10/09/97	16	7.69	7.301	8.5	6.45	0.397	0.63	6.842	7.38	8.027	8.444
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/90-10/09/97	16	0.02	0.05	0.355	0.003	0.007	0.086	0.004	0.009	0.042	0.175
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	37	46.	47.743	178.	8.5	613.592	24.771	31.8	38.25	51.	60.8
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	35 ##	0.005	0.063	1.2	0.005	0.041	0.203	0.005	0.005	0.04	0.128
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	34 ##	0.005	0.046	1.3	0.005	0.049	0.222	0.005	0.005	0.005	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	37	0.13	0.268	2.5	0.005	0.204	0.452	0.005	0.025	0.29	0.716
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	37	1.38	1.723	11.3	0.73	2.933	1.713	0.872	1.095	1.725	2.116
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	36 ##	0.005	0.015	0.08	0.005	0.	0.019	0.005	0.005	0.018	0.042
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	37	80.	83.351	173.	42.	518.734	22.776	60.6	71.	91.5	106.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	36	12.	16.133	100.	6.	270.148	16.436	7.28	8.	17.6	20.6
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	36	2.4	2.967	8.2	0.06	3.746	1.935	1.27	1.675	4.	6.42
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	36	18.	18.861	36.	9.	34.466	5.871	12.	15.	22.75	26.6
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	37	22.	23.297	65.	3.	83.715	9.15	16.6	19.	26.	32.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	37	0.07	0.095	0.89	0.01	0.019	0.138	0.04	0.05	0.095	0.116
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/81-03/18/97	36 ##	5.	10.278	100.	5.	487.063	22.07	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	36	300.	541.25	6100.	60.	1016210.536	1008.073	60.	140.	437.5	1018.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	36 ##	25.	58.056	300.	25.	5390.397	73.419	25.	25.	25.	200.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	36 ##	10.	15.	100.	10.	437.143	20.908	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	04/16/79-06/09/88	10	2450.	22314.	200000.	70.	3900637982.222	62455.088	140.	1692.5	4550.	180620.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	04/16/79-06/09/88	10	3.389	3.433	5.301	1.845	0.722	0.85	1.949	3.197	3.65	5.15
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			2707.569								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	37	280.	2938.595	61000.	10.	101997893.081	10099.401	20.	55.	1200.	7800.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	37	2.447	2.482	4.785	1.	0.858	0.926	1.301	1.739	3.078	3.892
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			303.085								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	37	270.	6156.73	200000.	0.	51075601145.8	32796.359	10.	25.	900.	2480.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	37	2.431	2.244	5.301	-0.301	1.207	1.098	1.	1.389	2.952	3.378
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			175.499								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	36	0.01	0.022	0.18	0.005	0.001	0.034	0.005	0.005	0.02	0.043
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	36	2.	4.806	38.	0.25	58.115	7.623	0.5	1.	5.	16.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	37	130.	128.514	200.	82.	441.312	21.007	102.6	116.5	138.	150.4
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	21	0.9	1.124	2.9	0.1	0.648	0.805	0.1	0.5	1.55	2.62

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0133

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	35	0	0.00	10	0	0.00	10	0	0.00	15	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	37	0	0.00	10	0	0.00	10	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	37	0	0.00	10	0	0.00	10	0	0.00	17	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	16	0	0.00	7	0	0.00	4	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	16	1	0.06	7	0	0.00	4	1	0.25	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	34	1	0.03	9	0	0.00	10	0	0.00	15	1	0.07			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	37	1	0.03	10	1	0.10	10	0	0.00	17	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
		Drinking Water	250.	36	0	0.00	10	0	0.00	9	0	0.00	17	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	37	0	0.00	10	0	0.00	10	0	0.00	17	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	37	0	0.00	10	0	0.00	10	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00	1	1	1.00				1	1	1.00			
		Drinking Water	5.	2 &	2	1.00	1	1	1.00				1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	36	0	0.00	10	0	0.00	10	0	0.00	16	0	0.00			
		Drinking Water	5000.	36	0	0.00	10	0	0.00	10	0	0.00	16	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	10	8	0.80	1	0	0.00	2	1	0.50	7	7	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	37	20	0.54	10	5	0.50	10	2	0.20	17	13	0.76			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	10	13.	12.93	19.	4.	24.738	4.974	4.2	9.75	17.1	18.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	9	17.	14.589	23.	2.	48.246	6.946	2.	9.4	20.5	23.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	11	172.	170.455	226.	119.	1249.673	35.351	120.4	146.	200.	223.8
00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	10	10.	9.81	12.4	6.1	3.363	1.834	6.27	8.925	11.2	12.34
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	10 ##	2.5	2.7	5.	2.	0.678	0.823	2.05	2.5	2.5	4.75
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	10	7.25	7.33	7.9	6.8	0.142	0.377	6.81	6.975	7.7	7.88
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	10	7.247	7.195	7.9	6.8	0.163	0.403	6.81	6.975	7.7	7.88
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	10	0.057	0.064	0.158	0.013	0.002	0.05	0.013	0.02	0.106	0.155
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	10	51.	51.25	64.	38.	53.181	7.292	38.8	46.75	55.875	63.6
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	9 ##	0.005	0.02	0.09	0.005	0.001	0.029	0.005	0.005	0.03	0.09
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	9 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	10	0.08	0.116	0.39	0.005	0.016	0.126	0.005	0.009	0.22	0.373
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	10	1.095	2.354	11.3	0.78	10.714	3.273	0.786	0.93	1.95	10.56
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	10 ##	0.008	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.013	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	10	86.	89.1	126.	70.	324.767	18.021	70.	73.75	103.75	124.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	10	9.	11.14	18.	6.	21.085	4.592	6.14	7.85	16.5	18.
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	10	2.45	2.97	8.	1.4	3.7	1.924	1.41	1.875	3.25	7.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	10	15.5	16.9	26.	9.	30.544	5.527	9.3	12.75	21.5	25.7
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	10	21.	22.1	34.	14.	32.1	5.666	14.3	18.5	26.25	33.3
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	10	0.065	0.064	0.1	0.02	0.001	0.025	0.022	0.048	0.085	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/81-03/18/97	10 ##	5.	14.5	100.	5.	902.5	30.042	5.	5.	5.	90.5
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	10	300.	318.	800.	60.	54084.444	232.561	64.	115.	450.	780.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	10 ##	25.	60.	200.	25.	5444.444	73.786	25.	25.	68.75	200.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	10	325.	2593.	8600.	10.	14873801.111	3856.657	11.	65.	7825.	8560.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	10	2.456	2.557	3.934	1.	1.163	1.078	1.03	1.753	3.893	3.932
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			360.436								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	10	335.	581.	2100.	50.	461876.667	679.615	52.	77.5	957.5	2030.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	10	2.517	2.469	3.322	1.699	0.317	0.563	1.714	1.889	2.968	3.305
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			294.696								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	10	0.02	0.018	0.05	0.005	0.	0.014	0.005	0.005	0.023	0.048
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	10	1.5	2.	5.	0.5	2.389	1.546	0.5	0.875	3.25	4.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	10	129.	137.7	200.	110.	757.122	27.516	110.5	116.5	149.25	196.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	10	5.	5.37	17.	0.6	22.729	4.767	0.64	1.15	6.525	16.05
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	8	7.	5.663	17.9	-6.6	57.923	7.611	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	8	131.5	145.125	223.	82.	2310.982	48.073	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	10	12.35	12.14	14.4	7.8	3.92	1.98	8.02	11.425	13.725	14.34
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	10 ##	2.5	2.85	6.	2.5	1.225	1.107	2.5	2.5	2.5	5.65
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	10	7.15	7.23	8.	6.7	0.156	0.395	6.71	6.95	7.475	7.97
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	10	7.147	7.097	8.	6.7	0.175	0.419	6.71	6.95	7.475	7.97
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	10	0.071	0.08	0.2	0.01	0.004	0.06	0.011	0.035	0.115	0.195
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	10	38.	51.2	178.	18.	2049.956	45.276	19.6	34.75	46.25	164.9
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	10	0.015	0.035	0.17	0.005	0.003	0.051	0.005	0.005	0.053	0.159
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	10 ##	0.005	0.008	0.04	0.005	0.	0.011	0.005	0.005	0.005	0.037
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	10	0.105	0.174	0.82	0.005	0.059	0.242	0.007	0.02	0.233	0.762
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	10	1.665	1.744	2.3	1.25	0.111	0.333	1.265	1.505	2.055	2.277
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	10 ##	0.005	0.015	0.07	0.005	0.	0.021	0.005	0.005	0.015	0.066
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	10	76.5	75.3	101.	42.	264.456	16.262	43.7	68.75	84.25	100.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	10	14.	22.	100.	7.	771.316	27.773	7.06	9.4	19.4	92.
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	10	2.35	3.014	8.2	0.7	4.821	2.196	0.75	1.35	4.01	7.784
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	9	22.	22.333	30.	15.	24.5	4.95	15.	18.	26.	30.

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Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	10	21.5	22.1	32.	17.	19.433	4.408	17.1	18.75	24.5	31.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	10	0.055	0.065	0.11	0.04	0.001	0.025	0.04	0.04	0.09	0.108
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/81-03/18/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	10	345.	462.	1500.	60.	212328.889	460.792	60.	165.	565.	1456.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	10 ##	25.	42.5	200.	25.	3062.5	55.34	25.	25.	25.	182.5
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	10 ##	10.	19.	100.	10.	810.	28.46	10.	10.	10.	91.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	10	70.	239.	1300.	10.	176521.111	420.144	11.	20.	255.	1236.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	10	1.841	1.873	3.114	1.	0.452	0.672	1.03	1.301	2.264	3.085
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			74.599								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	10	15.	448.1	4000.	0.5	1566584.933	1251.633	0.5	7.625	152.5	3631.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	10	1.151	1.309	3.602	-0.301	1.401	1.183	-0.301	0.675	2.123	3.491
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			20.386								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	10	0.015	0.025	0.12	0.005	0.001	0.035	0.005	0.005	0.03	0.111
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	10	1.	5.425	38.	0.25	134.14	11.582	0.275	0.5	3.75	34.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	10	126.	121.7	144.	85.	303.122	17.41	86.9	112.25	134.75	143.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	16	17.	16.594	23.	9.	17.193	4.146	9.14	14.	20.6	21.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	13	22.	20.892	26.5	11.	22.042	4.695	12.4	18.5	25.3	26.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	17	172.	176.765	230.	95.	976.441	31.248	138.2	160.	203.5	218.8
00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	15	10.2	10.713	17.4	8.5	5.34	2.311	8.56	9.2	11.4	15.18
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	17 ##	2.5	4.576	36.5	2.5	67.774	8.233	2.5	2.5	2.5	10.34
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	17	7.5	7.571	8.5	7.	0.156	0.395	7.08	7.3	7.7	8.26
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	17	7.5	7.438	8.5	7.	0.175	0.418	7.08	7.3	7.7	8.26
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	17	0.032	0.036	0.1	0.003	0.001	0.026	0.006	0.02	0.05	0.084
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	46.	43.647	68.	8.5	164.586	12.829	20.1	40.25	51.	55.2
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	16 ##	0.013	0.106	1.2	0.005	0.088	0.296	0.005	0.005	0.04	0.493
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	15 ##	0.005	0.096	1.3	0.005	0.111	0.333	0.005	0.005	0.02	0.544
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	0.22	0.413	2.5	0.005	0.375	0.612	0.005	0.065	0.48	1.404
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	17	1.3	1.339	1.9	0.73	0.105	0.324	0.85	1.1	1.54	1.852
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	16 ##	0.005	0.018	0.08	0.005	0.001	0.024	0.005	0.005	0.02	0.073
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	80.	84.706	173.	44.	772.596	27.796	57.6	67.5	94.5	119.4
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	16	12.	15.588	52.	6.6	115.019	10.725	7.51	10.125	19.1	31.
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	16	2.35	2.935	7.4	0.06	3.626	1.904	0.928	1.7	4.	6.42
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	17	17.	18.176	36.	10.	36.279	6.023	11.6	14.5	20.	27.2
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	17	24.	24.706	65.	3.	155.471	12.469	12.6	19.	27.5	40.2
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	0.09	0.131	0.89	0.01	0.04	0.199	0.034	0.055	0.11	0.306
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/81-03/18/97	16 ##	5.	10.938	100.	5.	564.063	23.75	5.	5.	5.	33.5
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	16	300.	730.313	6100.	60.	2135768.229	1461.427	60.	128.75	637.5	2530.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	16 ##	25.	66.563	300.	25.	7232.396	85.043	25.	25.	75.	265.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	16 ##	10.	15.625	100.	10.	506.25	22.5	10.	10.	10.	37.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	17	570.	4729.882	61000.	50.	212990667.735	14594.2	50.	159.	2450.	17160.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	17	2.756	2.795	4.785	1.699	0.683	0.826	1.699	2.178	3.368	3.991
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			624.351								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	17	500.	12794.588	200000.	20.	2332348320.382	48294.392	20.	114.	1145.	47680.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	17	2.699	2.662	5.301	1.301	0.986	0.993	1.301	2.002	3.058	4.246
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			459.012								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	16 ##	0.008	0.023	0.18	0.005	0.002	0.043	0.005	0.005	0.02	0.082
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	16	3.5	6.172	22.	0.25	46.189	6.796	0.425	1.25	9.25	19.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	17	131.	127.118	152.	82.	312.735	17.684	94.	118.5	137.	150.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0134

NPS Station ID: VAFO0134
LAT/LON: 40.124059/ -75.492643
Agency: 21PENN
Date Created: 10/25/78
Location: DWNSTM FM PICKERING CREEK RESERV
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PIC000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203007
RF1 Mile Point: 1.980
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203007101.35
RF3 Mile Point: 1.76
Distance from RF3: 0.14
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM PICKERING CREEK - DOWNSTREAM FROM PICKERING CREEK RESE RVOIR AT CONFLUENCE WITH SCHUYLKILL RIVER

Parameter Inventory for Station: VAFO0134

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0135

NPS Station ID: VAFO0135 LAT/LON: 40.126948/ -75.493059 Agency: 112WRD Date Created: 12/02/81
Location: SCHUYLKILL R AT PT PROVIDENCE NR PHOENIXVILLE PA FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400737075293500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203000700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/14/79-11/14/79	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/14/79-11/14/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/14/79-11/14/79	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/14/79-11/14/79	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/14/79-11/14/79	1	570.	570.	570.	570.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/14/79-11/14/79	1	220.	220.	220.	220.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0136

NPS Station ID: VAFO0136
LAT/LON: 40.119448/ -75.493892
Agency: 11131DWQ
Date Created: / /
Location: PICKERING CR RTE 23 BR PHNXVILLE
FIPS State/County: 42000 PENNSYLVANIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DEL 104 /104 /PICK 01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE
ECO Region:
RF1 Index: 02040203007
RF1 Mile Point: 1.980
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203000401.66
RF3 Mile Point: 1.65
Distance from RF3: 0.26
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0136

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0137

NPS Station ID: VAFO0137
LAT/LON: 40.054837/ -75.497976
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4C AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_4C
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VALLEY FORGE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4C IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE RAILROAD BRIDGE AT THE FORMER PAOLI INDUSTRIAL PARK INDUSTRIAL WASTEWATER TREATMENT PLANT ON LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	146.	146.	146.	146.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	450.	450.	450.	450.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	3.74	3.74	3.74	3.74	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	66.	66.	66.	66.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	6500.	6500.	6500.	6500.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	350.	350.	350.	350.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0138

NPS Station ID: VAFO0138 LAT/LON: 40.125005/ -75.500005 Agency: 21PAFISH Date Created: 07/14/79
Location: SCHUYLKILL RIVER BELOW PHOENIXVILLE FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALFI24 /PFBC6-058
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203007 RF1 Mile Point: 2.440 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040203000811.06 RF3 Mile Point: 11.58 Distance from RF3: 0.00 On/Off RF3:
Description:
PCBS IN PENNSYLVANIA WATERS - DEPT. OF ENVIRONMENTAL RESOURCES - COMMONWEALTH OF PENN. - 1974-1977 -

Parameter Inventory for Station: VAFO0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34669	PCB - 1248 WET WGTTISMG/KG	05/31/77-05/31/77	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	05/31/77-05/31/77	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	1	190.	190.	190.	190.	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	1	140.	140.	140.	140.	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/31/77-05/31/77	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/05/76-11/05/76	1	330.	330.	330.	330.	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/31/77-05/31/77	2	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0139

NPS Station ID: VAFO0139 LAT/LON: 40.053920/ -75.500503 Agency: 11NPSWRD Date Created: 07/03/99
Location: LITTLE VALLEY CREEK STATION 5 (CEDAR HOLLOW RD) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_LVC_5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT CEDAR HOLLOW ROAD AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0139

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0140

NPS Station ID: VAFO0140
Location: PHOENIXVILLE STP 12
Station Type: /AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02040203
Major Basin: NORTH ATLANTIC
Minor Basin: DELAWARE
RF1 Index: 02040203008
RF3 Index: 02040203000308.23
Description:

LAT/LON: 40.131115/ -75.501948

Depth of Water: 1
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 8.23

Agency: 11131DWQ
FIPS State/County: 42000 PENNSYLVANIA/
STORET Station ID(s): DEL 171 /171 /STP 12
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.04

Date Created: / /

On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: VAFO0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/72-06/07/72	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	87.75	87.75	87.75	87.75	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	24.9	24.9	24.9	24.9	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	48.2	48.2	48.2	48.2	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	1	75.	75.	75.	75.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	29.37	29.37	29.37	29.37	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0141

NPS Station ID: VAFO0141
LAT/LON: 40.096948/ -75.501948
Agency: 112WRD
Date Created: 02/28/78
Location: 16
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 400549075300701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.80
On/Off RF1:
RF3 Index: 02040205061609.35
RF3 Mile Point: 12.51
Distance from RF3: 0.18
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/74-10/30/74	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/74-10/30/74	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/30/74-10/30/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/30/74-10/30/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/74-10/30/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/30/74-10/30/74	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/30/74-10/30/74	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/30/74-10/30/74	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/30/74-10/30/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/30/74-10/30/74	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/30/74-10/30/74	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/30/74-10/30/74	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/30/74-10/30/74	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/30/74-10/30/74	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/30/74-10/30/74	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/30/74-10/30/74	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/30/74-10/30/74	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/30/74-10/30/74	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/30/74-10/30/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/30/74-10/30/74	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/30/74-10/30/74	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/30/74-10/30/74	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/30/74-10/30/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/30/74-10/30/74	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/30/74-10/30/74	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/30/74-10/30/74	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/30/74-10/30/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/30/74-10/30/74	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/30/74-10/30/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/74-10/30/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/74-10/30/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/30/74-10/30/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/30/74-10/30/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/30/74-10/30/74	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	10/30/74-10/30/74	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/30/74-10/30/74	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/30/74-10/30/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/30/74-10/30/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/30/74-10/30/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/30/74-10/30/74	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/30/74-10/30/74	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/30/74-10/30/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/30/74-10/30/74	1	119.	119.	119.	119.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/74-10/30/74	1	126.	126.	126.	126.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/30/74-10/30/74	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/30/74-10/30/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/30/74-10/30/74	1	16.	16.	16.	16.	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/30/74-10/30/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/30/74-10/30/74	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	10/30/74-10/30/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0141

Parameter				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0142

NPS Station ID: VAFO0142
LAT/LON: 40.102226/ -75.503616
Agency: 21PA
Date Created: 04/20/91
Location: JAMES H SIMON JR
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/DOMEST/SPRING/NET
STORET Station ID(s): GWND03D029 /BASIN055-029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: 000GBBR
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 28.40
On/Off RF1:
RF3 Index: 02040203037100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.41
On/Off RF3:
Description:
7.5' QUADRANGLE NAME: MALVERN PA

Parameter Inventory for Station: VAFO0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	03/07/91-09/18/91	2	6.8	6.8	7.	6.6	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/07/91-09/18/91	2	6.755	6.755	7.	6.6	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/91-09/18/91	2	0.176	0.176	0.251	0.1	0.011	0.107	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/91-09/18/91	2	65.	65.	68.	62.	18.	4.243	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/91-09/18/91	2	253.	253.	258.	248.	50.	7.071	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/91-09/18/91	2 ##	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/91-09/18/91	2 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/91-09/18/91	2	8.23	8.23	8.47	7.99	0.115	0.339	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/07/91-09/18/91	2	0.07	0.07	0.08	0.06	0.	0.014	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/07/91-09/18/91	2	1.3	1.3	1.5	1.1	0.08	0.283	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/91-09/18/91	2	116.5	116.5	122.	111.	60.5	7.778	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/07/91-09/18/91	2	29.85	29.85	30.4	29.3	0.605	0.778	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/07/91-09/18/91	2	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/07/91-09/18/91	2	10.535	10.535	11.3	9.77	1.17	1.082	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/07/91-09/18/91	2	1.565	1.565	2.4	0.73	1.394	1.181	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/91-09/18/91	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/91-09/18/91	2	43.5	43.5	45.	42.	4.5	2.121	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	03/07/91-09/18/91	2	21.65	21.65	24.2	19.1	13.005	3.606	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/07/91-09/18/91	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	03/07/91-09/18/91	2	80.5	80.5	81.	80.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/91-09/18/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/91-09/18/91	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/07/91-09/18/91	2 ##	10.5	10.5	16.	5.	60.5	7.778	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/07/91-09/18/91	2	283.	283.	345.	221.	7688.	87.681	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/07/91-09/18/91	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/07/91-09/18/91	2 ##	12.	12.	19.	5.	98.	9.899	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/07/91-09/18/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/07/91-09/18/91	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	04/01/91-04/01/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/91-09/18/91	2	7.	7.	11.	3.	32.	5.657	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0143

NPS Station ID: VAFO0143 | LAT/LON: 40.149170/ -75.505559 | Agency: 21PAFISH | Date Created: 07/14/79
Location: SCHUYLKILL RIVER AT BLACK ROCK POOL | FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ALFI34
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203008 | RF1 Mile Point: 0.920 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 02040203022400.00 | RF3 Mile Point: 1.22 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PCBS IN PENNSYLVANIA WATERS - DEPT. OF ENVIRONMENTAL RESOURCES - COMMONWEALTH OF PENN. - 1974-1977 -

Parameter Inventory for Station: VAFO0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	11/05/76-11/05/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/05/76-11/05/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0144

NPS Station ID: VAFO0144
LAT/LON: 40.054087/ -75.506309
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI75_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 10 YARDS DOWNSTREAM FROM THE CHURCH ROAD BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE IMPACT OF VARIOUS INDUSTRIAL WASTE DISCHARGES ON VALLEY AND LITTLE VALLEY CREEKS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	1	450.	450.	450.	450.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/19/75-06/19/75	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	118.	118.	118.	118.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	1	392.	392.	392.	392.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	5.06	5.06	5.06	5.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	1	860.	860.	860.	860.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	1	230.	230.	230.	230.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0145

NPS Station ID: VAFO0145
LAT/LON: 40.054115/ -75.506281
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 7 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_7
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE CHURCH ROAD BRIDGE OVER LITTLE VALLEY CREEK; 0.5 MILES DOWNSTREAM FROM THE BURROUGHS INDUSTRIAL SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	450.	450.	450.	450.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	358.	358.	358.	358.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.072	0.072	0.072	0.072	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	46.4	46.4	46.4	46.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	1310.	1310.	1310.	1310.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	980.	980.	980.	980.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00				1	1	1.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0146

NPS Station ID: VAFO0146
LAT/LON: 40.053754/ -75.506892
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 12 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 12 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT CHURCH ROAD AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-09/25/90	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-09/25/90	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-09/25/90	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0147

NPS Station ID: VAFO0147
LAT/LON: 40.135281/ -75.508337
Agency: 11131DWQ
Date Created: / /
Location: SCHUYLKILL R RTE 29 BR PHOENIXVL
FIPS State/County: 42000 PENNSYLVANIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DEL 084 /084 /SCH 13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE
ECO Region:
RF1 Index: 02040203008
RF1 Mile Point: 0.090
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000314.56
RF3 Mile Point: 16.01
Distance from RF3: 0.18
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	0.163	0.163	0.163	0.163	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	2.05	2.05	2.05	2.05	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0148

NPS Station ID: VAFO0148
LAT/LON: 40.133337/ -75.508615
Agency: 21PENN
Date Created: 10/27/78
Location: RT 29 BR AT PHOENIXVILLE, SCHUYL
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SCH036
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203008
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203005100.00
RF3 Mile Point: 0.04
Distance from RF3: 0.05
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM SCHUYLKILL RIVER - ROUTE 29 BRIDGE AT PHOENIXVILLE, SC HUYLKILL TOWNSHIP, BERKS COUNTY

Parameter Inventory for Station: VAFO0148

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0149

NPS Station ID: VAFO0149 LAT/LON: 40.146115/ -75.509170 Agency: 112WRD Date Created: 03/16/79
Location: SCHUYLKILL R AT BL ROCK POOL NR PHOENIXVILLE PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472120
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203008 RF1 Mile Point: 0.600 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040203002902.87 RF3 Mile Point: 3.80 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/78-12/19/78	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/78-12/19/78	1	325.	325.	325.	325.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/19/78-12/19/78	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/19/78-12/19/78	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/78-12/19/78	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/19/78-12/19/78	1	30000.	30000.	30000.	30000.	0.	0.	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/19/78-12/19/78	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/19/78-11/14/79	2	1.2	1.2	1.3	1.1	0.02	0.141	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/19/78-11/14/79	2	62.	62.	87.	37.	1250.	35.355	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/19/78-12/19/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/19/78-11/14/79	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/14/79-11/14/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/19/78-12/19/78	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/14/79	2 ##	17.5	17.5	30.	5.	312.5	17.678	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/19/78-11/14/79	2	100.	100.	130.	70.	1800.	42.426	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/19/78-12/19/78	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/19/78-12/19/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/19/78-11/14/79	2	165.	165.	190.	140.	1250.	35.355	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/19/78-12/19/78	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/19/78-11/14/79	2	230.	230.	250.	210.	800.	28.284	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/19/78-12/19/78	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/19/78-11/14/79	2	715.	715.	1000.	430.	162450.	403.051	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/14/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/19/78-11/14/79	2	38.	38.	41.	35.	18.	4.243	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	2	9.25	9.25	12.	6.5	15.125	3.889	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	2	4.1	4.1	8.2	0.	33.62	5.798	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	2	3.9	3.9	4.	3.8	0.02	0.141	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/14/79	2	1.2	1.2	2.4	0.	2.88	1.697	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/19/78-11/14/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/19/78-11/14/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/19/78-11/14/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/19/78-11/14/79	2	175.	175.	230.	120.	6050.	77.782	**	**	**	**
39755	MIREX, TOTAL (UG/L)	12/19/78-12/19/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/19/78-12/19/78	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/19/78-11/14/79	2	0.45	0.45	0.9	0.	0.405	0.636	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00	1	1	1.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00	1	1	1.00									
		Drinking Water	15.	1	1	1.00	1	1	1.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0149

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0150

NPS Station ID: VAFO0150
LAT/LON: 40.052698/ -75.509365
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 7 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_7
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 200 YARDS DOWNSTREAM FROM BURROUGHS INDUSTRIAL SEWAGE TREATMENT PLANT OUTFALL AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	154.	154.	154.	154.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/74-08/19/74	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	1	950.	950.	950.	950.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0150

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0151

NPS Station ID: VAFO0151
LAT/LON: 40.052309/ -75.509726
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 11 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 11 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK NEAR THE MOUTH OF THE UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-09/25/90	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-09/25/90	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-09/25/90	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0152

NPS Station ID: VAFO0152
LAT/LON: 40.052337/ -75.510281
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 10 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 10 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 20 METERS UPSTREAM OF THE UNNAMED TRIBUTARY AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/30/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/30/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	1	151.	151.	151.	151.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/30/92	1	127.	127.	127.	127.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/30/92	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/30/92	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/30/92	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/30/92	1	1480.	1480.	1480.	1480.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	1	863.	863.	863.	863.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0153

NPS Station ID: VAFO0153
LAT/LON: 40.135837/ -75.511116
Agency: 11131DWQ
Date Created: / /
Location: FRENCH CR BR NEAR CONFL W/ SCHUY
FIPS State/County: 42000 PENNSYLVANIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DEL 105 /105 /FRN 01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 1
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE
ECO Region:
RF1 Index: 02040203007
RF1 Mile Point: 3.370
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203035000.39
RF3 Mile Point: 0.39
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	0.065	0.065	0.065	0.065	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	1.39	1.39	1.39	1.39	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	1	35.	35.	35.	35.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	2.03	2.03	2.03	2.03	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0153

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0154

NPS Station ID: VAFO0154 | LAT/LON: 40.051948/ -75.511503 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 14 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_14
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 14 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/31/94	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/31/94	2 ##	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	01/12/94-01/31/94	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/12/94-01/31/94	2 ##	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/31/94	2	2.3	2.3	3.3	1.3	2.	1.414	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/31/94	2	6.7	6.7	8.4	5.	5.78	2.404	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/31/94	2 ##	0.825	0.825	1.4	0.25	0.661	0.813	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/12/94-01/31/94	2 ##	2.625	2.625	5.	0.25	11.281	3.359	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/12/94-01/31/94	2 ##	0.9	0.9	1.	0.8	0.02	0.141	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/31/94	2	3.4	3.4	4.5	2.3	2.42	1.556	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00	1	0	0.00	1	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	2	1.00	1	1	1.00	1	1	1.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0155

NPS Station ID: VAFO0155 LAT/LON: 40.136116/ -75.511392 Agency: 112WRD Date Created: 05/14/83
Location: FRENCH CREEK AT RAILROAD BRIDGE AT PHOENIXVILLE, FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 014721612
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 10.60 On/Off RF1:
RF3 Index: 02040205064825.33 RF3 Mile Point: 26.73 Distance from RF3: 0.67 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/71-11/07/95	24	13.25	12.675	21.	5.5	13.481	3.672	7.5	10.25	14.375	18.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/11/71-11/07/95	16	15.	15.094	28.	5.5	40.874	6.393	5.85	11.	19.125	26.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/70-11/07/95	16	42.	49.688	123.	24.	662.763	25.744	26.1	35.	54.25	100.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/13/92	9	1.1	1.578	4.5	0.6	1.457	1.207	0.6	0.85	1.9	4.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/71-11/07/95	24	213.5	239.833	490.	126.	8264.58	90.91	175.	189.	243.75	436.5
00300	OXYGEN, DISSOLVED MG/L	10/25/74-11/07/95	20	11.4	11.19	13.1	9.1	0.917	0.957	10.13	10.4	11.975	12.19
00340	COD, .25N K2CR2O7 MG/L	05/21/70-10/04/73	6	24.	26.5	49.	6.	423.1	20.569	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/71-11/07/95	24	7.4	7.337	8.	4.3	0.52	0.721	6.95	7.2	7.775	8.
00400	CONVERTED PH (STANDARD UNITS)	05/11/71-11/07/95	24	7.4	5.672	8.	4.3	3.413	1.848	6.95	7.2	7.775	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/71-11/07/95	24	0.04	2.13	50.119	0.01	104.48	10.222	0.01	0.017	0.063	0.119
00403	PH, LAB, STANDARD UNITS SU	11/10/80-10/13/92	12	7.5	7.317	7.8	5.4	0.442	0.664	5.85	7.175	7.775	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	11/10/80-10/13/92	12	7.5	6.433	7.8	5.4	1.293	1.137	5.85	7.175	7.775	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/80-10/13/92	12	0.032	0.369	3.981	0.016	1.295	1.138	0.016	0.017	0.07	2.825
00405	CARBON DIOXIDE (MG/L AS CO2)	10/04/73-10/31/78	6	4.05	3.8	5.6	1.3	2.792	1.671	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/73-10/21/91	16	53.	51.063	68.	30.	114.329	10.692	31.4	45.5	57.75	63.8
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/13/92-11/07/95	2	48.5	48.5	50.	47.	4.5	2.121	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/73-10/31/78	6	62.5	59.833	83.	37.	286.167	16.916	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/21/70-10/24/72	5	136.	131.	152.	105.	326.	18.055	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	10/20/83-10/10/84	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/76-10/23/81	6	2.15	3.918	14.	0.81	24.757	4.976	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-10/20/83	3	1.7	6.033	15.	1.4	60.323	7.767	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-10/23/81	13	0.28	0.335	0.73	0.	0.048	0.219	0.016	0.165	0.5	0.678
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/23/81-10/23/81	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/81-11/07/95	13	0.03	0.034	0.14	0.005	0.001	0.036	0.005	0.009	0.04	0.108
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/23/81	12	0.095	0.185	0.62	0.	0.04	0.201	0.	0.048	0.323	0.581
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-11/07/95	13 ##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.026
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	11	0.02	0.023	0.06	0.	0.001	0.025	0.	0.	0.05	0.06
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-10/20/83	3	1.2	5.37	14.	0.91	55.879	7.475	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	13	1.64	2.488	14.	0.45	12.203	3.493	0.658	1.24	2.05	9.28
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/23/81-10/13/92	11	0.5	0.391	0.5	0.2	0.017	0.13	0.2	0.3	0.5	0.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/13/92	16	0.42	0.448	0.81	0.2	0.033	0.182	0.242	0.3	0.588	0.754
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-10/23/81	7	1.7	3.294	14.	0.46	22.531	4.747	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/14/79-11/07/95	14	1.5	2.314	14.	0.8	11.455	3.385	0.85	1.15	1.725	8.1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/10/80-11/10/80	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/23/81-11/02/82	2	0.43	0.43	0.83	0.03	0.32	0.566	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/13/92	22	0.065	0.136	1.5	0.01	0.097	0.312	0.013	0.03	0.08	0.274
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/81-10/13/92	11	0.02	0.041	0.28	0.005	0.006	0.08	0.005	0.01	0.02	0.232
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/23/81-11/07/95	13	0.01	0.032	0.27	0.005	0.005	0.072	0.005	0.005	0.02	0.174

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/28/94-10/28/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/73-11/02/82	9	97.	101.222	130.	57.	681.194	26.1	57.	81.5	130.	130.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/73-10/31/78	6	51.	50.	69.	26.	281.2	16.769	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/73-10/13/92	18	22.	23.5	38.	14.	44.029	6.635	16.7	18.75	26.25	35.3
00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/70-10/24/72	4	20.15	19.2	22.2	14.3	13.887	3.726	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/73-10/13/92	18	6.55	7.189	11.	5.3	2.882	1.698	5.39	5.8	8.775	10.1
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/70-10/24/72	4	6.05	6.525	8.9	5.1	2.843	1.686	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/05/70-10/24/72	4	14.25	16.35	27.	9.9	57.99	7.615	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/73-10/13/92	18	9.55	12.272	28.	6.7	38.852	6.233	7.96	8.75	14.5	27.1
00931	SODIUM ADSORPTION RATIO	10/04/73-11/02/82	9	0.6	0.667	1.1	0.4	0.073	0.269	0.4	0.45	0.9	1.1
00932	SODIUM, PERCENT	10/04/73-11/02/82	9	23.	23.	31.	18.	21.75	4.664	18.	19.	26.5	31.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/73-10/13/92	18	2.75	2.7	4.1	1.9	0.432	0.657	1.99	2.1	3.075	3.83
00937	POTASSIUM, TOTAL MG/L AS K)	10/05/70-10/24/72	4	2.45	2.475	3.2	1.8	0.329	0.574	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/70-11/07/95	25	13.	16.32	37.	7.	60.643	7.787	9.2	12.	17.	32.4
00945	SULFATE, TOTAL (MG/L AS SO4)	05/21/70-10/13/92	24	24.	32.375	76.	16.	278.679	16.694	18.5	20.25	42.	62.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/73-10/13/92	13	0.2	0.35	1.5	0.05	0.163	0.404	0.07	0.1	0.45	1.22
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/73-10/13/92	19	15.	14.032	17.	9.6	4.908	2.215	11.	12.	16.	16.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/23/81-10/13/92	11 ##	0.5	0.818	2.	0.5	0.364	0.603	0.5	0.5	1.	2.
01002	ARSENIC, TOTAL (UG/L AS AS)	10/04/73-11/14/79	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/28/94-10/28/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/19/88-10/13/92	5	44.	42.2	45.	36.	13.2	3.633	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/19/88-10/13/92	5 ##	0.25	0.36	0.8	0.25	0.061	0.246	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/25/74-10/13/92	16 ##	0.5	1.594	8.	0.5	4.441	2.107	0.5	0.5	1.75	5.9
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/28/94-10/28/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/28/94-10/28/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/25/74-10/13/92	16 ##	2.5	3.063	10.	0.5	9.896	3.146	0.5	0.5	2.875	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/70-11/14/79	5 ##	50.	49.	75.	20.	380.	19.494	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	11/10/80-10/13/92	8 ##	1.5	1.438	2.	1.	0.103	0.32	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/05/70-10/24/72	4 ##	100.	187.5	450.	100.	30625.	175.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/25/74-10/13/92	16	5.	5.875	22.	1.	24.383	4.938	1.7	3.	5.75	13.6
01042	COPPER, TOTAL (UG/L AS CU)	10/05/70-10/24/72	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/28/94-10/28/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/05/70-10/24/72	4 ##	162.5	171.25	310.	50.	16472.917	128.347	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/04/73-10/13/92	18	105.	143.	490.	53.	12838.	113.305	62.9	82.25	125.	364.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-10/13/92	18	5.	32.25	200.	0.5	3922.86	62.633	1.85	2.875	14.25	182.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/28/94-10/28/94	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/28/94-10/28/94	1	460.	460.	460.	460.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/70-10/24/72	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/04/73-10/13/92	18	39.5	735.111	12000.	21.	7907715.987	2812.066	22.8	29.	125.	1407.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/19/88-10/13/92	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-10/13/92	18	5.	4.722	14.	0.5	10.418	3.228	0.5	2.75	6.	8.6
01067	NICKEL, TOTAL (UG/L AS NI)	10/05/70-10/24/72	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/20/83-10/13/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/19/88-10/13/92	5	94.	96.6	120.	83.	215.8	14.69	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/19/88-10/13/92	5 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-10/13/92	18	9.	60.944	450.	1.5	15538.82	124.655	1.5	1.875	47.5	333.
01092	ZINC, TOTAL (UG/L AS ZN)	10/05/70-11/14/79	5 ##	100.	96.	250.	10.	9230.	96.073	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/28/94-10/28/94	1	97.	97.	97.	97.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/13/92	9	10.	11.667	20.	5.	43.75	6.614	5.	5.	20.	20.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/19/88-10/13/92	5 ##	2.	2.4	4.	2.	0.8	0.894	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/70-10/24/72	4 ##	250.	193.75	250.	25.	12656.25	112.5	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/28/94-10/28/94	1	17000.	17000.	17000.	17000.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/21/70-10/04/73	6	18250.	20295.083	54000.	0.5	433104091.042	20811.153	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/21/70-10/04/73	6	4.205	3.404	4.732	-0.301	3.624	1.904	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2532.577								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-10/24/72	3	900.	1270.667	2900.	12.	2188181.333	1479.25	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-10/24/72	3	2.954	2.499	3.462	1.079	1.576	1.255	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			315.215								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/21/70-10/04/73	6	83.5	129.583	480.	0.5	31053.642	176.22	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/21/70-10/04/73	6	1.921	1.607	2.681	-0.301	1.042	1.021	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			40.457								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-11/02/82	4	0.15	0.155	0.3	0.02	0.015	0.122	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/09/85-10/28/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/09/85-10/09/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.325	0.325	0.6	0.05	0.151	0.389	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.325	0.325	0.6	0.05	0.151	0.389	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.325	0.325	0.6	0.05	0.151	0.389	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-10/28/94	2	2.8	2.8	5.4	0.2	13.52	3.677	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/85-10/28/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.175	0.175	0.3	0.05	0.031	0.177	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/09/85-10/28/94	2	0.35	0.35	0.6	0.1	0.125	0.354	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/85-10/28/94	2 ##	0.225	0.225	0.4	0.05	0.061	0.247	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/85-10/28/94	2	11.5	11.5	18.	5.	84.5	9.192	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/09/85-10/28/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/25/74-10/13/87	12	148.	170.167	323.	118.	3996.697	63.219	118.9	124.75	195.25	303.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/73-10/31/78	6	143.5	158.167	238.	101.	2443.767	49.434	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/02/82-11/02/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/73-11/02/82	9	0.21	0.251	0.44	0.16	0.008	0.091	0.16	0.185	0.31	0.44
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/21/70-10/23/81	13	0.04	0.078	0.28	0.02	0.005	0.073	0.024	0.03	0.11	0.228
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/10/80-11/10/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/23/81-11/02/82	2	0.095	0.095	0.18	0.01	0.014	0.12	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/23/81-11/02/82	2	33.	33.	62.	4.	1682.	41.012	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/23/81-11/02/82	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/14/79-10/20/83	4	0.17	0.345	0.95	0.09	0.168	0.41	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/76-10/23/81	6	9.65	17.783	64.	3.6	520.538	22.815	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/23/81-10/13/92	10 ##	0.05	0.13	0.7	0.05	0.042	0.206	0.05	0.05	0.088	0.65
71900	MERCURY, TOTAL (UG/L AS HG)	11/14/79-11/14/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/28/94-10/28/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/70-10/04/71	3	8.	6.667	9.	3.	10.333	3.215	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/70-10/04/71	3	0.83	1.197	2.21	0.55	0.79	0.889	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/09/85-10/28/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	9	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	20	0	0.00									
00400	PH	Fresh Chronic	9.	24	0	0.00	23	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	24	1	0.04	23	1	0.04				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	12	0	0.00	12	0	0.00									
		Other-Lo Lim.	6.5	12	1	0.08	12	1	0.08									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	13	0	0.00	13	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	9	0	0.00				2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	1	0.33	3	1	0.33									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	1	0.08	11	1	0.09				2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	1	0.14	7	1	0.14									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	14	1	0.07	14	1	0.07									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	25	0	0.00	23	0	0.00				2	0	0.00			
		Drinking Water	250.	25	0	0.00	23	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	22	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	13	0	0.00	13	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	11	0	0.00	11	0	0.00									
		Drinking Water	50.	11	0	0.00	11	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	5	0	0.00	5	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	5	0	0.00	5	0	0.00									
		Drinking Water	4.	5	0	0.00	5	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	16	2	0.13	16	2	0.13									
		Drinking Water	5.	16	2	0.13	16	2	0.13									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	16	0	0.00	16	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	4	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	16	1	0.06	16	1	0.06									
		Drinking Water	1300.	16	0	0.00	16	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	4	0	0.00	3	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	18	3	0.17	18	3	0.17									
		Drinking Water	15.	18	4	0.22	18	4	0.22									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	18	0	0.00	18	0	0.00									
		Drinking Water	100.	18	0	0.00	18	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01075	SILVER, DISSOLVED	Fresh Acute	4.1	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	18	3	0.17	18	3	0.17									
		Drinking Water	5000.	18	0	0.00	18	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4 &	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5000.	5	0	0.00	4	0	0.00				1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	5	0.83	4	4	1.00				2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	2	1	0.50				1	1	1.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	1	0.50	2	1	0.50									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	10	0	0.00	10	0	0.00									
		Drinking Water	2.	10	0	0.00	10	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/71-11/07/95	23	13.	12.574	21.	5.5	13.837	3.72	7.5	10.	14.	18.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/11/71-11/07/95	15	15.	14.367	28.	5.5	34.731	5.893	5.8	10.5	18.	23.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/70-11/07/95	15	39.	46.933	123.	24.	580.067	24.085	25.8	35.	52.	90.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/13/92	9	1.1	1.578	4.5	0.6	1.457	1.207	0.6	0.85	1.9	4.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/71-11/07/95	23	215.	242.87	490.	126.	8408.937	91.7	182.	189.	245.	442.8
00300	OXYGEN, DISSOLVED MG/L	10/25/74-11/07/95	20	11.4	11.19	13.1	9.1	0.917	0.957	10.13	10.4	11.975	12.19
00400	PH (STANDARD UNITS)	05/11/71-11/07/95	23	7.4	7.338	8.	4.3	0.544	0.737	6.92	7.2	7.8	8.
00400	CONVERTED PH (STANDARD UNITS)	05/11/71-11/07/95	23	7.4	5.653	8.	4.3	3.511	1.874	6.92	7.2	7.8	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/71-11/07/95	23	0.04	2.221	50.119	0.01	109.024	10.441	0.01	0.016	0.063	0.127
00403	PH, LAB, STANDARD UNITS SU	11/10/80-10/13/92	12	7.5	7.317	7.8	5.4	0.442	0.664	5.85	7.175	7.775	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	11/10/80-10/13/92	12	7.5	6.433	7.8	5.4	1.293	1.137	5.85	7.175	7.775	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/80-10/13/92	12	0.032	0.369	3.981	0.016	1.295	1.138	0.016	0.017	0.07	2.825
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/73-10/21/91	16	53.	51.063	68.	30.	114.329	10.692	31.4	45.5	57.75	63.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-10/23/81	12	0.35	0.363	0.73	0.04	0.042	0.204	0.073	0.195	0.515	0.691
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/81-11/07/95	13	0.03	0.034	0.14	0.005	0.001	0.036	0.005	0.009	0.04	0.108
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/23/81	11	0.09	0.157	0.62	0.	0.034	0.185	0.	0.04	0.21	0.568
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/23/81-11/07/95	13 ##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.026
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	9	0.02	0.022	0.06	0.	0.001	0.025	0.	0.	0.045	0.06
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	11	1.7	2.703	14.	0.45	14.29	3.78	0.556	1.5	2.1	11.64
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/23/81-10/13/92	11	0.5	0.391	0.5	0.2	0.017	0.13	0.2	0.3	0.5	0.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/13/92	16	0.42	0.448	0.81	0.2	0.033	0.182	0.242	0.3	0.588	0.754
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/14/79-11/07/95	14	1.5	2.314	14.	0.8	11.455	3.385	0.85	1.15	1.725	8.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/13/92	21	0.06	0.139	1.5	0.01	0.102	0.319	0.012	0.03	0.08	0.286
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/81-10/13/92	11	0.02	0.041	0.28	0.005	0.006	0.08	0.005	0.01	0.02	0.232
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/23/81-11/07/95	13	0.01	0.032	0.27	0.005	0.005	0.072	0.005	0.005	0.02	0.174
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/73-11/02/82	9	97.	101.222	130.	57.	681.194	26.1	57.	81.5	130.	130.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/73-10/13/92	18	22.	23.5	38.	14.	44.029	6.635	16.7	18.75	26.25	35.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/73-10/13/92	18	6.55	7.189	11.	5.3	2.882	1.698	5.39	5.8	8.775	10.1
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/73-10/13/92	18	9.55	12.272	28.	6.7	38.852	6.233	7.96	8.75	14.5	27.1
00931	SODIUM ADSORPTION RATIO	10/04/73-11/02/82	9	0.6	0.667	1.1	0.4	0.073	0.269	0.4	0.45	0.9	1.1
00932	SODIUM, PERCENT	10/04/73-11/02/82	9	23.	23.	31.	18.	21.75	4.664	18.	19.	26.5	31.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/73-10/13/92	18	2.75	2.7	4.1	1.9	0.432	0.657	1.99	2.1	3.075	3.83
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/70-11/07/95	23	14.	17.087	37.	10.	58.447	7.645	11.4	13.	18.	33.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/21/70-10/13/92	22	24.	33.409	76.	18.	289.396	17.012	19.	20.75	43.	65.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/73-10/13/92	13	0.2	0.35	1.5	0.05	0.163	0.404	0.07	0.1	0.45	1.22
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/73-10/13/92	19	15.	14.032	17.	9.6	4.908	2.215	11.	12.	16.	16.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/23/81-10/13/92	11 ##	0.5	0.818	2.	0.5	0.364	0.603	0.5	0.5	1.	2.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/25/74-10/13/92	16 ##	0.5	1.594	8.	0.5	4.441	2.107	0.5	0.5	1.75	5.9
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/25/74-10/13/92	16 ##	2.5	3.063	10.	0.5	9.896	3.146	0.5	0.5	2.875	10.
01040	COPPER, DISSOLVED (UG/L AS CU)	10/25/74-10/13/92	16	5.	5.875	22.	1.	24.383	4.938	1.7	3.	5.75	13.6
01046	IRON, DISSOLVED (UG/L AS FE)	10/04/73-10/13/92	18	105.	143.	490.	53.	12838.	113.305	62.9	82.25	125.	364.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-10/13/92	18	5.	32.25	200.	0.5	3922.86	62.633	1.85	2.875	14.25	182.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/04/73-10/13/92	18	39.5	735.111	12000.	21.	7907715.987	2812.066	22.8	29.	125.	1407.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-10/13/92	18	5.	4.722	14.	0.5	10.418	3.228	0.5	2.75	6.	8.6
01075	SILVER, DISSOLVED (UG/L AS AG)	10/20/83-10/13/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-10/13/92	18	9.	60.944	450.	1.5	15538.82	124.655	1.5	1.875	47.5	333.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/13/92	9	10.	11.667	20.	5.	43.75	6.614	5.	5.	20.	20.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/25/74-10/13/87	12	148.	170.167	323.	118.	3996.697	63.219	118.9	124.75	195.25	303.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/73-11/02/82	9	0.21	0.251	0.44	0.16	0.008	0.091	0.16	0.185	0.31	0.44
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/21/70-10/23/81	11	0.07	0.088	0.28	0.03	0.006	0.075	0.03	0.04	0.13	0.254
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/23/81-10/13/92	10 ##	0.05	0.13	0.7	0.05	0.042	0.206	0.05	0.05	0.088	0.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/71-11/07/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/11/71-11/07/95	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/70-11/07/95	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/71-11/07/95	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/71-11/07/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/71-11/07/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/71-11/07/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-10/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/23/81	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/21/70-10/23/81	2	1.305	1.305	1.64	0.97	0.224	0.474	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/13/92	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/70-11/07/95	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/21/70-10/13/92	2	21.	21.	26.	16.	50.	7.071	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/21/70-10/23/81	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0156

NPS Station ID: VAFO0156 LAT/LON: 40.136003/ -75.511420 Agency: 11NPSWRD Date Created: 05/02/98
Location: FRENCH CREEK AT RR TRESTLE IN PHOENIXVILLE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BOYER_10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK AT RAILROAD TRESTLE 40 METERS UPSTREAM FROM MOUTH; RIVER MILE 0.02. THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE NPS AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION TO ASSESS NON-POINT SOURCE POLLUTION IN FRENCH CREEK AND TO DOCUMENT OVERALL WATER QUALITY IN THE BASIN. DATA WERE PUBLISHED IN THE REPORT "AQUATIC BIOLOGY INVESTIGATION; FRENCH CREEK/ CHESTER COUNTY; NPS SURVEY" BY MICHAEL R. BOYER (1993). THE REPORT STATED; "CHEMICAL PARAMETERS REFLECTED THE URBAN ENVIRONMENT AT THIS STATION. THE TEMPERATURE; 5-DAY BOD; SUSPENDED SOLIDS; ZINC AND BACTERIA LEVELS WERE ELEVATED..ELEVATED TEMPERATURE AND PERIODIC SLUGS OF POLLUTANTS COULD PREVENT THE TROUT STOCKED FISHERY DESIGNATION FROM BEING ATTAINED." DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	1	23.8	23.8	23.8	23.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	1	6.65	6.65	6.65	6.65	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/09/91-07/09/91	1	6.65	6.65	6.65	6.65	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/91-07/09/91	1	0.224	0.224	0.224	0.224	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	1	152.	152.	152.	152.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	1.02	1.02	1.02	1.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	1	18.7	18.7	18.7	18.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	1	409.	409.	409.	409.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	1	529.	529.	529.	529.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/09/91-07/09/91	1	3.491	3.491	3.491	3.491	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3100.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	980.	980.	980.	980.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	2.991	2.991	2.991	2.991	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			980.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	1	280.	280.	280.	280.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/09/91-07/09/91	1	2.447	2.447	2.447	2.447	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			280.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0157

NPS Station ID: VAFO0157
LAT/LON: 40.136116/ -75.511392
Agency: 21PA
Date Created: 06/27/92
Location: FRENCH CREEK AT MOUTH (TRIB. TO SCHUYLKILL R)
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO
STORET Station ID(s): WQF01548-000.1 /PFBC6-005
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 23.00
On/Off RF1:
RF3 Index: 02040203034500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/11/90-09/11/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/11/90-09/11/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	09/11/90-09/11/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/11/90-09/11/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/11/90-09/11/90	1	4.	4.	4.	4.	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/11/90-09/11/90	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/11/90-09/11/90	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/11/90-09/11/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/11/90-09/11/90	1	78.	78.	78.	78.	0.	0.	**	**	**	**
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	09/11/90-09/11/90	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	09/11/90-09/11/90	1	0.279	0.279	0.279	0.279	0.	0.	**	**	**	**
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/11/90-09/11/90	1	0.094	0.094	0.094	0.094	0.	0.	**	**	**	**
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	09/11/90-09/11/90	1	2.11	2.11	2.11	2.11	0.	0.	**	**	**	**
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	09/11/90-09/11/90	1	0.947	0.947	0.947	0.947	0.	0.	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/11/90-09/11/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/11/90-09/11/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/11/90-09/11/90	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0158

NPS Station ID: VAFO0158
LAT/LON: 40.136392/ -75.511392
Agency: 112WRD
Date Created: 05/19/79
Location: SCHUYLKILL RIVER AT PHOENIXVILLE, PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472162
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203008
RF1 Mile Point: 0.090
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000800.00
RF3 Mile Point: 2.21
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/78-12/28/78	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/78-12/28/78	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/28/78-12/28/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/28/78-12/28/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/78-12/28/78	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/14/79-11/14/79	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/14/79-11/14/79	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/14/79-11/14/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/14/79-11/14/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/14/79	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-11/14/79	2 ##	32.5	32.5	60.	5.	1512.5	38.891	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-11/14/79	2	105.	105.	130.	80.	1250.	35.355	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-11/14/79	2	215.	215.	330.	100.	26450.	162.635	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/14/79-11/14/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-11/14/79	2	435.	435.	530.	340.	18050.	134.35	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/14/79-11/14/79	1	53.	53.	53.	53.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/14/79-11/14/79	1	190.	190.	190.	190.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/14/79-11/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0158

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0159

NPS Station ID: VAFO0159 LAT/LON: 40.158337/ -75.511670 Agency: 11131DWQ Date Created: 09/26/81
Location: SCHUYLKILL R. AT RT 113 ABOVE PHOENIXVILLE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): DEL 84A /84A /SCH 13B
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE R.-SCHUYLKILL R ECO Region:
RF1 Index: 02040203008 RF1 Mile Point: 2.190 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040203000800.00 RF3 Mile Point: 0.02 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00024	SAMPLE LENGTH IN INCHES	04/23/81-04/23/81	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/23/81-04/23/81	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/23/81-04/23/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/23/81-04/23/81	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	04/23/81-04/23/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/23/81-04/23/81	1	2.97	2.97	2.97	2.97	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/23/81-04/23/81	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/23/81-04/23/81	1	172.	172.	172.	172.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/23/81-04/23/81	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/23/81-04/23/81	1	347.	347.	347.	347.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/23/81-04/23/81	1	322.	322.	322.	322.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	04/23/81-04/23/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/23/81-04/23/81	1	124.	124.	124.	124.	0.	0.	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	04/23/81-04/23/81	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01073	THALLIUM,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/23/81-04/23/81	1	2.57	2.57	2.57	2.57	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/81-04/23/81	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/23/81-04/23/81	1	828.	828.	828.	828.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/23/81-04/23/81	1 ##	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01099	ANTIMONY,TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/23/81-04/23/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/23/81-04/23/81	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	04/23/81-04/23/81	1	1.04	1.04	1.04	1.04	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34204	ACENAPHTHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34205	ACENAPHTHENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34209	ACENAPHTHENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34210	ACROLEIN TOTWUG/L	04/23/81-04/23/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34213	ACROLEIN DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34214	ACROLEIN WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34215	ACRYLONITRILE TOTWUG/L	04/23/81-04/23/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34218	ACRYLONITRILE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34219	ACRYLONITRILE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34224	ANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34237	BENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34238	BENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
34241	BENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34251	BENZO-A-PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	04/23/81-04/23/81	1	0.137	0.137	0.137	0.137	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	04/23/81-04/23/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34290	BROMOFORM DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34291	BROMOFORM WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34300	CARBON TETRACHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34304	CHLOROBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34305	CHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34314	CHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34315	CHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34318	CHLOROFORM DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34319	CHLOROFORM WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34324	CHRYSENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34326	CYANIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34331	DICHLOROBROMOMETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34351	ENDOSULFAN SULFATE TOTWUG/L	04/23/81-04/23/81	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	04/23/81-04/23/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	04/23/81-04/23/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	04/23/81-04/23/81	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34374	ETHYLBENZENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34375	ETHYLBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34380	FLUORANTHENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34385	FLUORENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34400	HEXACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34412	ISOPHORONE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34416	METHYL BROMIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34417	METHYL BROMIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34422	METHYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/23/81-04/23/81	1	34.	34.	34.	34.	0.	0.	**	**	**	**
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34427	METHYLENE CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34446	NAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34451	NITROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34465	PHENANTHRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34468	PHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34473	PYRENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34474	SILVER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34479	TETRACHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	04/23/81-04/23/81	1 ##	12.4	12.4	12.4	12.4	0.	0.	**	**	**	**
34483	TOLUENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34484	TOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	1	0.028	0.028	0.028	0.028	0.	0.	**	**	**	**
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34500	1,1-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34505	1,1-DICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34510	1,1,1-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34515	1,1,2-TRICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34520	1,1,2,2-TETRACHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34535	1,2-DICHLOROETHANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34545	1,2-DICHLOROPROPANE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34550	TRANS-1,2-DICHLOROETHENE, IN TISSUE, WET WT. MG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34580	2-CHLOROETHYL VINYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34590	2-CHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34595	2-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34620	2,4-DINITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34650	4-NITROPHENOL WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	04/23/81-04/23/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	04/23/81-04/23/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	04/23/81-04/23/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34692	TRICHLOROETHYLENE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34693	VINYL CHLORIDE WET WGTTISMG/KG	04/23/81-04/23/81	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34698	TRANS-1,3-DICHLOROPROPENEFISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34703	CIS-1,3-DICHLOROPROPENE FISH TISSUE WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	04/23/81-04/23/81	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	04/23/81-04/23/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/23/81-04/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/23/81-04/23/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/23/81-04/23/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/23/81-04/23/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	04/23/81-04/23/81	1 ##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	04/23/81-04/23/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	04/23/81-04/23/81	1 ##	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/23/81-04/23/81	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/23/81-04/23/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1	1.38	1.38	1.38	1.38	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1	30.2	30.2	30.2	30.2	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/81-04/23/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/23/81-04/23/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	0 &	0	0.00												
		Drinking Water	0.2	0 &	0	0.00												
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	0 &	0	0.00												
		Drinking Water	50.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00							1	0	0.00			
34210	ACROLEIN, TOTAL	Fresh Acute	68.	1	0	0.00							1	0	0.00			
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34346	1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00							1	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00							1	0	0.00			
34403	INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	1	1.00							1	1	1.00			
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00							1	0	0.00			
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00							1	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00							1	0	0.00			
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00							1	0	0.00			
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00							1	0	0.00			
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00							1	0	0.00			
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00							1	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00							1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0160

NPS Station ID: VAFO0160
LAT/LON: 40.052005/ -75.511531
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 9 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_09
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 20 METERS DOWNSTREAM OF THE UNNAMED TRIBUTARY AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/12/94	1	1594.	1594.	1594.	1594.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/12/94	1	1236.	1236.	1236.	1236.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	1	358.	358.	358.	358.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.052	0.052	0.052	0.052	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	1.38	1.38	1.38	1.38	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	1	1.33	1.33	1.33	1.33	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-01/12/94	2 ##	0.003	0.003	0.006	0.001	0.	0.004	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/12/94	1	40.8	40.8	40.8	40.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/12/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/12/94-01/12/94	1	405.	405.	405.	405.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	1	738.	738.	738.	738.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/12/94-01/12/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-01/12/94	2 ##	0.4	0.4	0.7	0.1	0.18	0.424	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-01/12/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-01/12/94	2 ##	7.5	7.5	13.	2.	60.5	7.778	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-01/12/94	2 ##	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/12/94	1	8470.	8470.	8470.	8470.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-01/12/94	2 ##	18.5	18.5	35.	2.	544.5	23.335	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/12/94	1	218.	218.	218.	218.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/12/94	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-01/12/94	2 ##	79.	79.	153.	5.	10952.	104.652	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/12/94	1	6230.	6230.	6230.	6230.	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/12/94-01/12/94	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/12/94-01/12/94	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	1	173.	173.	173.	173.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0160

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	2	0	0.00	2	0	0.00									
		Drinking Water	200.	2	0	0.00	2	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00	1	1	1.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	1	0.50	2	1	0.50									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	1	0.50	2	1	0.50									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0160

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0161

NPS Station ID: VAFO0161
LAT/LON: 40.051615/ -75.512004
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 6 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_06
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE TOWNSHIP BORDER AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/30/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/30/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/30/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/30/92	1	146.	146.	146.	146.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/30/92	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/30/92	1 ##	75.	75.	75.	75.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	1	275.	275.	275.	275.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0162

NPS Station ID: VAFO0162 LAT/LON: 40.051642/ -75.512059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 13 AT SPRING TO LITTLE VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VOS_13
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 13 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/31/94-01/31/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/31/94-01/31/94	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	01/31/94-01/31/94	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/31/94-01/31/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/31/94-01/31/94	1	30.	30.	30.	30.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/31/94-01/31/94	1	80.	80.	80.	80.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/31/94-01/31/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/31/94-01/31/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/31/94-01/31/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/31/94-01/31/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00				1	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0163

NPS Station ID: VAFO0163 LAT/LON: 40.052142/ -75.512226 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 7 AT SPRING TO LITTLE VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_ABI95_07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE EMERGENCE OF A SPRING TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/31/94-01/31/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/31/94-01/31/94	1	488.	488.	488.	488.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/31/94-01/31/94	1	480.	480.	480.	480.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/31/94-01/31/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/31/94-01/31/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/31/94-01/31/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	1	3.04	3.04	3.04	3.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/94-01/31/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/31/94-01/31/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/94-01/31/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/31/94-01/31/94	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/31/94-01/31/94	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	1	294.	294.	294.	294.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/31/94-01/31/94	1	72.6	72.6	72.6	72.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/31/94-01/31/94	1	25.3	25.3	25.3	25.3	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/31/94-01/31/94	1	54.9	54.9	54.9	54.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/94-01/31/94	1	112.	112.	112.	112.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/94-01/31/94	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/94-01/31/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/31/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/31/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/31/94	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/31/94	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/31/94	2 ##	43.	43.	50.	36.	98.	9.899	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/31/94	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/31/94	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/31/94	2 ##	18.75	18.75	25.	12.5	78.125	8.839	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/31/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/31/94	2 ##	71.25	71.25	75.	67.5	28.125	5.303	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	1	278.	278.	278.	278.	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/31/94-01/31/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/31/94-01/31/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/31/94-01/31/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/31/94-01/31/94	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00				1	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00				1	0	0.00						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						
		Drinking Water	5000.	2	0	0.00				2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0164

NPS Station ID: VAFO0164
LAT/LON: 40.150281/ -75.512505
Agency: PHILWDPT
Date Created: / /
Location: RT-113 BRIDGE-PHOENIXVILLE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SCH-5
RMI-Indexes: 0205001 002650
Within Park Boundary: No
RMI-Miles: 0092.47 0037.70
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: N ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DEL R
ECO Region:
RF1 Index: 02040203008
RF1 Mile Point: 2.510
Distance from RF1: 2.20
On/Off RF1: ON
RF3 Index: 02040205061604.65
RF3 Mile Point: 6.25
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0164

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0165

NPS Station ID: VAFO0165 LAT/LON: 40.052698/ -75.512448 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 8 AT LITTLE VALLEY CREEK TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI95_08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 20 METERS UPSTREAM FROM LITTLE VALLEY CREEK IN AN UNNAMED TRIBUTARY. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/30/92-01/30/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/92-01/30/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/30/92-01/30/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/30/92-01/30/92	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/92-01/30/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/30/92-01/30/92	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/92-01/30/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/30/92-01/30/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/30/92-01/30/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/92-01/30/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/30/92-01/30/92	1	155.	155.	155.	155.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/30/92-01/30/92	1	630.	630.	630.	630.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0166

NPS Station ID: VAFO0166 | LAT/LON: 40.051170/ -75.512699 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: LITTLE VALLEY CREEK STATION 4 | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_LVC_4
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A WOODEN BRIDGE TO AN OLD ANIMAL HOSPITAL AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0167

NPS Station ID: VAFO0167
LAT/LON: 40.050642/ -75.513532
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_05
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 10 METERS DOWNSTREAM OF WORTHINGTON STEEL AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/31/94	2 ##	3.35	3.35	6.6	0.1	21.125	4.596	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/31/94	2 ##	31.	31.	57.	5.	1352.	36.77	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/31/94	2	104.	104.	132.	76.	1568.	39.598	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/31/94	2	881.	881.	1434.	328.	611618.	782.06	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/31/94	2	761.	761.	1200.	322.	385442.	620.84	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/31/94	2	120.	120.	234.	6.	25992.	161.22	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/31/94	2 ##	0.5	0.5	0.8	0.2	0.18	0.424	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/31/94	2	0.135	0.135	0.2	0.07	0.008	0.092	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/31/94	2	0.03	0.03	0.052	0.008	0.001	0.031	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/31/94	2	2.295	2.295	3.03	1.56	1.08	1.039	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/31/94	2 ##	0.62	0.62	1.14	0.1	0.541	0.735	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/31/94	2	0.11	0.11	0.19	0.03	0.013	0.113	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/31/94	2	3.2	3.2	5.1	1.3	7.22	2.687	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-01/31/94	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-01/31/94	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/31/94	2	157.	157.	178.	136.	882.	29.698	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/31/94	2	44.	44.	44.	44.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/31/94	2	15.35	15.35	15.8	14.9	0.405	0.636	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/12/94-01/31/94	2	229.95	229.95	416.	43.9	69229.205	263.114	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/31/94	2	386.5	386.5	688.	85.	181804.5	426.385	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/31/94	2	25.5	25.5	30.	21.	40.5	6.364	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/12/94-01/31/94	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-01/31/94	3 ##	0.1	0.333	0.8	0.1	0.163	0.404	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-01/31/94	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-01/31/94	3 ##	2.	6.333	15.	2.	56.333	7.506	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-01/31/94	3	32.	45.667	100.	5.	2396.333	48.952	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/31/94	2	2650.5	2650.5	5210.	91.	13102080.5	3619.68	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-01/31/94	3	7.	18.667	47.	2.	608.333	24.664	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/31/94	2	98.	98.	177.	19.	12482.	111.723	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/31/94	2 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-01/31/94	3 ##	5.	67.	191.	5.	11532.	107.387	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/31/94	2 ##	1873.75	1873.75	3680.	67.5	6525078.125	2554.423	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/12/94-01/31/94	2 ##	6.	6.	11.	1.	50.	7.071	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/12/94-01/31/94	2 ##	0.002	0.002	0.003	0.	0.	0.002	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/31/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/31/94	2	68.75	68.75	136.	1.5	9045.125	95.106	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0167

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	200.	3	0	0.00	2	0	0.00	1	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	1	0.50	1	1	1.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	2	0.67	2	2	1.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	1	0.33	2	1	0.50	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	3	1	0.33	2	1	0.50	1	0	0.00						
		Drinking Water	5000.	3	0	0.00	2	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0167

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	2	1	0.50	1	1	1.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0168

NPS Station ID: VAFO0168 LAT/LON: 40.138059/ -75.513892 Agency: 11NPSWRD Date Created: 04/25/98
Location: FRENCH CREEK AT MAIN STREET ROAD CROSSING FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BWQM_6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK AT THE MAIN STREET ROAD CROSSING; RIVER MILE 0.4. THE CREEK WAS SAMPLED AS PART OF A NUTRIENT-RELATED USE IMPAIRMENT SURVEY OF FRENCH CREEK BY THE BUREAU OF WATER QUALITY MANAGEMENT. THE STUDY WAS CONDUCTED TO DETERMINE WHETHER FRENCH CREEK WAS NITROGEN- OR PHOSPHORUS-LIMITED. THE FINAL CONCLUSION OF THE REPORT WAS THAT FRENCH CREEK WAS CO-LIMITED BY NITROGEN AND PHOSPHORUS. DATA WERE PUBLISHED IN THE REPORT "FRENCH CREEK; NUTRIENT RELATED/ USE IMPAIRMENT SURVEY" BY CYNTHIA L. STEELE (1988). FOR MORE INFORMATION CONTACT HOPEWELL FURNACE NATIONAL HISTORIC SITE'S CHIEF OF RESOURCES AT 2 MARK BIRD LANE; ELVERSON PA 19520 (TEL. 610-582-8773). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; FORT COLLINS CO 80526 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/87-08/06/87	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00040	WIND DIRECTION, AZIMUTH	08/06/87-08/06/87	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/87-08/06/87	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/87-08/06/87	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/06/87-08/06/87	1	88.6	88.6	88.6	88.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/06/87-08/06/87	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/06/87-08/06/87	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/87-08/06/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/06/87-08/06/87	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/06/87-08/06/87	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/87-08/06/87	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/06/87-08/06/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/06/87-08/06/87	1	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/06/87-08/06/87	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/06/87-08/06/87	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/06/87-08/06/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/06/87-08/06/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/06/87-08/06/87	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/06/87-08/06/87	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/06/87-08/06/87	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0168

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0169

NPS Station ID: VAFO0169 LAT/LON: 40.050448/ -75.514116 Agency: 11NPSWRD Date Created: 10/05/99
Location: LITTLE VALLEY CK AT NATIONAL ROLLING MILLS FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_LVC2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT LITTLE VALLEY CREEK NEXT TO NATIONAL ROLLING MILLS. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/91-02/22/92	6	4.45	5.133	8.8	3.6	3.535	1.88	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/13/91-02/04/92	5	551.	537.6	559.	497.	666.8	25.822	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/13/91-02/22/92	6	13.25	13.35	15.6	11.	2.623	1.62	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/13/91-02/22/92	6	8.	7.967	8.1	7.7	0.023	0.151	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/13/91-02/22/92	6	8.	7.943	8.1	7.7	0.023	0.153	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/91-02/22/92	6	0.01	0.011	0.02	0.008	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/13/91-02/22/92	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/91-02/22/92	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/09/92-02/04/92	3	80.	80.	80.	80.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/22/92-01/22/92	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	02/04/92-02/22/92	2	50.	50.	100.	0.	5000.	70.711	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	01/09/92-02/04/92	3	1.	0.933	1.1	0.7	0.043	0.208	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	12/13/91-02/22/92	6 ##	0.	33.333	100.	0.	2666.667	51.64	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	3	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	3	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00				2	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00	2	0	0.00						
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	6	2	0.33	3	2	0.67	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0170

NPS Station ID: VAFO0170 | LAT/LON: 40.050531/ -75.514282 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 12 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_12
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 12 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-04/04/94	4 ##	0.25	0.438	1.	0.25	0.141	0.375	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-04/04/94	4 ##	0.5	0.563	1.	0.25	0.099	0.315	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	01/12/94-04/04/94	4 ##	0.25	0.438	1.	0.25	0.141	0.375	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/12/94-04/04/94	4	0.6	0.7	1.	0.6	0.04	0.2	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-04/04/94	4	2.15	2.125	3.1	1.1	1.149	1.072	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-04/04/94	4	7.25	6.9	8.4	4.7	2.727	1.651	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-04/04/94	4 ##	0.25	0.438	1.	0.25	0.141	0.375	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/12/94-04/04/94	4 ##	0.25	0.438	1.	0.25	0.141	0.375	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/12/94-04/04/94	4	0.7	0.725	1.	0.5	0.043	0.206	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-04/04/94	4	2.35	1.975	2.4	0.8	0.616	0.785	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	100.	4	0	0.00	1	0	0.00	3	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	5.	4	0	0.00	1	0	0.00	3	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	4	0	0.00	1	0	0.00	3	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	5.	4	3	0.75	1	0	0.00	3	3	1.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0171

NPS Station ID: VAFO0171
LAT/LON: 40.050448/ -75.514337
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4B AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_4B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4B IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 400 YARDS DOWNSTREAM FROM NATIONAL ROLLING MILLS AND UPSTREAM OF THE FORMER BURROUGHS INDUSTRIAL WASTEWATER TREATMENT PLANT AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	595.	595.	595.	595.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	416.	416.	416.	416.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	3.96	3.96	3.96	3.96	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	66.	66.	66.	66.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	710.	710.	710.	710.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	7000.	7000.	7000.	7000.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	470.	470.	470.	470.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0172

NPS Station ID: VAFO0172
LAT/LON: 40.067976/ -75.515253
Agency: 11NPSWRD
Date Created: 09/25/99
Location: BIG VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_TU_BVC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSLYVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT BIG VALLEY CREEK DOWNSTREAM FROM THE CONFLUENCE WITH CEDAR HOLLOW CREEK AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A CORRESPONDENCE FROM A. JOSEPH ARMSTRONG OF TROUT UNLIMITED TO THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES. DATA WERE COLLECTED IN ORDER TO EVALUATE VALLEY CREEK FOR A CHANGE IN DESIGNATION TO COLD WATER FISHERY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0172

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/14/85-09/25/85	155	59.	58.972	70.7	51.5	12.456	3.529	55.04	57.	61.	62.96

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0173

NPS Station ID: VAFO0173 LAT/LON: 40.135670/ -75.516421 Agency: 11NPSWRD Date Created: 05/09/98
Location: FRENCH CK 100 FT DOWNSTREAM OF RTE 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_PSU_5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK IN PHOENIXVILLE AT THE ROUTE 29 BRIDGE; 100 FEET DOWNSTREAM OF THE PHOENIX STEEL COMPANY. THE SITE WAS LOCATED BETWEEN HOPEWELL FURNACE NATIONAL HISTORIC SITE (HOFU) AND VALLEY FORGE NATIONAL HISTORIC PARK (VAFO). DATA WERE PUBLISHED IN THE DOCTORAL DISSERTATION "A STUDY OF THE RELATIONSHIP BETWEEN CHEMICAL WATER QUALITY AND FISH AND BENTHIC MACROINVERTEBRATE DIVERSITY IN FRENCH CREEK; CHESTER COUNTY; PENNSYLVANIA" BY RALPH D. HEISTER JR. AT THE PENNSYLVANIA STATE UNIVERSITY DEPARTMENT OF BIOLOGY (1971). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/15/69-04/15/70	3	8.	10.167	21.	1.5	98.583	9.929	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/69-04/15/70	3	-7.	7.833	21.	-7.	198.083	14.074	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/15/69-04/15/70	3	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/69-04/15/70	3	167.	165.667	194.	136.	842.333	29.023	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/15/69-04/15/70	3	11.5	10.533	11.5	8.6	2.803	1.674	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	10/15/69-04/15/70	3	1.8	1.6	2.2	0.8	0.52	0.721	**	**	**	**
00400	PH (STANDARD UNITS)	10/15/69-04/15/70	3	7.31	7.437	7.9	7.1	0.172	0.415	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/15/69-04/15/70	3	7.31	7.328	7.9	7.1	0.19	0.436	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/69-04/15/70	3	0.049	0.047	0.079	0.013	0.001	0.033	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/69-04/15/70	3	48.	48.667	61.	37.	144.333	12.014	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/15/69-04/15/70	3	186.	179.333	204.	148.	817.333	28.589	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/15/69-04/15/70	3	90.	89.667	119.	60.	870.333	29.501	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	10/15/69-04/15/70	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/69-04/15/70	3	1.6	2.133	3.4	1.4	1.213	1.102	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/69-04/15/70	3	0.28	0.303	0.44	0.19	0.016	0.127	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/69-04/15/70	3	82.	87.333	112.	68.	505.333	22.48	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/15/69-04/15/70	3	29.7	29.933	36.7	23.4	44.263	6.653	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/15/69-04/15/70	3	2.4	3.1	4.9	2.	2.47	1.572	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/15/69-04/15/70	3	22.	24.	30.	20.	28.	5.292	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/15/69-04/15/70	3	37.	45.333	67.	32.	358.333	18.93	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/15/69-04/15/70	3	8.6	9.067	10.8	7.8	2.413	1.553	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/15/69-04/15/70	3	380.	380.	450.	310.	4900.	70.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/15/69-04/15/70	3	167.	164.	182.	143.	387.	19.672	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0173

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0174

NPS Station ID: VAFO0174 LAT/LON: 40.067476/ -75.516892 Agency: 11NPSWRD Date Created: 07/03/99
Location: 1000 FT DS OF WARNER COMPANY DISCHARGE STREAM FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI85_5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 1000 FEET DOWNSTREAM OF THE WARNER COMPANY'S DISCHARGE STREAM. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED AND TO DETERMINE THE IMPACT OF THE WARNER COMPANY'S CEDAR HOLLOW QUARRY DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	2	12.	12.	16.	8.	32.	5.657	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	2	445.	445.	520.	370.	11250.	106.066	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	2	8.7	8.7	8.8	8.6	0.02	0.141	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	2	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/84-11/08/84	2	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-11/08/84	2	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	2	200.	200.	204.	196.	32.	5.657	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/08/84	2	342.	342.	342.	342.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/08/84	2	16.	16.	18.	14.	8.	2.828	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.27	0.27	0.37	0.17	0.02	0.141	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.052	0.052	0.06	0.044	0.	0.011	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	2.44	2.44	2.64	2.24	0.08	0.283	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	226.	226.	226.	226.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	1	29.2	29.2	29.2	29.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	2	48.	48.	51.	45.	18.	4.243	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	1	37.	37.	37.	37.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	2	165.	165.	180.	150.	450.	21.213	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	2	2.9	2.9	3.4	2.4	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0174

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	2	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0175

NPS Station ID: VAFO0175 LAT/LON: 40.135281/ -75.516948 Agency: 112WRD Date Created: / /
Location: FRENCH CR AT MAIN ST. BRDG. AT PHOENIXVILLE, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472161
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203019 RF1 Mile Point: 0.300 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02040203001918.59 RF3 Mile Point: 19.22 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/28/78-06/25/80	12	7.75	10.	26.	1.	44.545	6.674	2.65	7.125	11.25	24.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/06/79-09/06/79	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	09/06/79-06/25/80	12	5.62	5.29	7.92	2.55	2.997	1.731	2.676	3.7	6.49	7.848
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/28/78-06/25/80	13	123.	127.	185.	96.	653.667	25.567	96.4	106.	143.	173.8
00400	PH (STANDARD UNITS)	12/28/78-06/25/80	13	7.3	7.212	8.	6.6	0.112	0.334	6.68	7.025	7.3	7.76
00400	CONVERTED PH (STANDARD UNITS)	12/28/78-06/25/80	13	7.3	7.1	8.	6.6	0.125	0.354	6.68	7.025	7.3	7.76
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/28/78-06/25/80	13	0.05	0.079	0.251	0.01	0.004	0.064	0.022	0.05	0.098	0.214
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/06/79-12/06/79	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-12/06/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	12/06/79-12/06/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/21/80-06/25/80	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	03/21/80-06/25/80	11	0.	0.182	1.	0.	0.164	0.405	0.	0.	0.	1.
01027	CADMIUM, TOTAL (UG/L AS CD)	09/06/79-06/25/80	12	0.	0.25	1.	0.	0.205	0.452	0.	0.	0.75	1.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-12/06/79	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-12/06/79	2	35.	35.	50.	20.	450.	21.213	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/21/80-06/25/80	11	1.	5.273	17.	0.	53.818	7.336	0.2	1.	16.	17.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/21/80-06/25/80	11	8.	10.727	34.	3.	78.018	8.833	3.4	6.	11.	31.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/06/79-06/25/80	12	8.5	14.833	50.	2.	224.515	14.984	2.6	6.	24.	45.8
01040	COPPER, DISSOLVED (UG/L AS CU)	03/21/80-06/25/80	11	5.	6.091	11.	4.	4.891	2.212	4.	4.	8.	10.4
01041	COPPER, SUSPENDED (UG/L AS CU)	03/21/80-06/25/80	11	10.	15.909	43.	0.	234.891	15.326	0.4	4.	36.	41.8
01042	COPPER, TOTAL (UG/L AS CU)	09/06/79-06/25/80	12	17.	22.167	54.	4.	277.061	16.645	4.6	9.5	39.25	51.3
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-12/06/79	2	75.	75.	100.	50.	1250.	35.355	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/21/80-06/25/80	11	1.	0.818	3.	0.	0.964	0.982	0.	0.	1.	2.8
01050	LEAD, SUSPENDED (UG/L AS PB)	03/21/80-06/25/80	11	27.	42.182	130.	2.	1939.564	44.04	2.6	6.	76.	126.
01051	LEAD, TOTAL (UG/L AS PB)	09/06/79-06/25/80	12	31.5	42.083	130.	2.	1761.902	41.975	2.9	7.75	68.25	124.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-12/06/79	2	335.	335.	470.	200.	36450.	190.919	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/21/80-06/25/80	11	1.	0.909	2.	0.	0.691	0.831	0.	0.	2.	2.
01066	NICKEL, SUSPENDED (UG/L AS NI)	03/21/80-06/25/80	11	3.	8.273	25.	0.	88.218	9.392	0.4	3.	20.	24.6
01067	NICKEL, TOTAL (UG/L AS NI)	09/06/79-06/25/80	12	5.5	9.25	25.	0.	77.659	8.812	0.6	3.25	18.75	24.4
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	12/06/79-12/06/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/21/80-06/25/80	11	10.	10.909	20.	0.	29.091	5.394	2.	10.	10.	20.
01091	ZINC, SUSPENDED (UG/L ZN)	03/21/80-06/25/80	11	40.	59.091	180.	0.	5209.091	72.174	0.	0.	150.	178.
01092	ZINC, TOTAL (UG/L AS ZN)	09/06/79-06/25/80	12	55.	75.833	190.	0.	5081.061	71.282	3.	12.5	155.	187.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-12/06/79	2	480.	480.	780.	180.	180000.	424.264	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	1	61.	61.	61.	61.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/06/79-12/06/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	09/06/79-09/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-12/06/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-09/06/79	1	207.	207.	207.	207.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-09/06/79	1	615.	615.	615.	615.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	13	0	0.00	2	0	0.00	9	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	2	0	0.00	9	0	0.00	2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	5.	11	0	0.00				9	0	0.00	2	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	5.	11	0	0.00				9	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
		Drinking Water	5.	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	11	0	0.00				9	0	0.00	2	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	11	0	0.00				9	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	1300.	11	0	0.00				9	0	0.00	2	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	11	3	0.27				9	3	0.33	2	0	0.00			
		Drinking Water	1300.	11	0	0.00				9	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	12	5	0.42	1	1	1.00	9	4	0.44	2	0	0.00			
		Drinking Water	1300.	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	15.	11	0	0.00				9	0	0.00	2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01050	LEAD, SUSPENDED	Fresh Acute	82.	11	2	0.18				9	2	0.22	2	0	0.00			
		Drinking Water	15.	11	7	0.64				9	7	0.78	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	12	2	0.17	1	0	0.00	9	2	0.22	2	0	0.00			
		Drinking Water	15.	12	8	0.67	1	1	1.00	9	7	0.78	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	100.	11	0	0.00				9	0	0.00	2	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	100.	11	0	0.00				9	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
		Drinking Water	100.	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	11	0	0.00				9	0	0.00	2	0	0.00			
		Drinking Water	5000.	11	0	0.00				9	0	0.00	2	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	11	3	0.27				9	3	0.33	2	0	0.00			
		Drinking Water	5000.	11	0	0.00				9	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	4	0.33	1	1	1.00	9	3	0.33	2	0	0.00			
		Drinking Water	5000.	12	0	0.00	1	0	0.00	9	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0176

NPS Station ID: VAFO0176
LAT/LON: 40.067503/ -75.516977
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 3 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI75_3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 500 YARDS DOWNSTREAM FROM THE CONFLUENCE OF DEVAULT CREEK WITH VALLEY CREEK; DOWNSTREAM FROM WARNER QUARRY OPERATIONS. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE IMPACT OF VARIOUS INDUSTRIAL WASTE DISCHARGES ON VALLEY AND LITTLE VALLEY CREEKS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/19/75-06/19/75	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	176.	176.	176.	176.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	1	354.	354.	354.	354.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	2.42	2.42	2.42	2.42	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	1	290.	290.	290.	290.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	1	170.	170.	170.	170.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0177

NPS Station ID: VAFO0177 LAT/LON: 40.067170/ -75.517226 Agency: 11NPSWRD Date Created: 08/28/99
Location: VALLEY CREEK UPSTREAM OF WARNER CO. DISCHARGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_FE_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS STATION IS LOCATED AT VALLEY CREEK UPSTREAM FROM THE CONFLUENCE WITH THE WARNER COMPANY DISCHARGE AND IS OUTSIDE THE VALLEY FORGE NATIONAL HISTORIC PARK BOUNDARY. DATA ARE FROM A LABORATORY REPORT SHEET. SAMPLES WERE COLLECTED BY FISHERIES-ENVIRONMENTAL. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/11/87-02/11/87	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/87-02/11/87	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	222.	222.	222.	222.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	1	396.	396.	396.	396.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	2.83	2.83	2.83	2.83	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	228.	228.	228.	228.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	1	31.1	31.1	31.1	31.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	1	140.	140.	140.	140.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0178

NPS Station ID: VAFO0178 LAT/LON: 40.067448/ -75.517088 Agency: 11NPSWRD Date Created: 08/28/99
Location: VALLEY CREEK UPSTREAM OF CEDAR HOLLOW CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_TMS_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK ABOUT 50 FEET UPSTREAM FROM THE CONFLUENCE WITH CEDAR HOLLOW CREEK AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/90-08/31/90	57	16.	16.304	20.	12.	3.563	1.888	13.	15.	18.	19.
00300	OXYGEN, DISSOLVED MG/L	06/07/90-06/07/90	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/90-08/31/90	62	2.55	7.582	120.2	0.8	332.293	18.229	1.4	1.875	4.025	14.61

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0178

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	62	3	0.05							62	3	0.05			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0179

NPS Station ID: VAFO0179 LAT/LON: 40.066698/ -75.517254 Agency: 11NPSWRD Date Created: 10/05/99
Location: VALLEY CREEK US OF CEDAR HOLLOW CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_VALA
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK UPSTREAM OF CEDAR HOLLOW CREEK. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-05/31/90	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/90-05/31/90	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/31/90-05/31/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0179

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0180

NPS Station ID: VAFO0180 LAT/LON: 40.067476/ -75.517116 Agency: 11NPSWRD Date Created: 08/28/99
Location: VALLEY CREEK DOWNSTREAM OF WARNER CO. DISCHARGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_FE_1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS STATION IS LOCATED AT VALLEY CREEK DOWNSTREAM FROM THE CONFLUENCE WITH THE WARNER COMPANY DISCHARGE AND IS OUTSIDE THE VALLEY FORGE NATIONAL HISTORIC PARK BOUNDARY. DATA ARE FROM A LABORATORY REPORT SHEET. SAMPLES WERE COLLECTED BY FISHERIES-ENVIRONMENTAL. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/11/87-02/11/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/87-02/11/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	194.	194.	194.	194.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	2.62	2.62	2.62	2.62	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	212.	212.	212.	212.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	1	31.3	31.3	31.3	31.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	1	150.	150.	150.	150.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0181

NPS Station ID: VAFO0181 LAT/LON: 40.067170/ -75.517254 Agency: 11NPSWRD Date Created: 08/28/99
Location: VALLEY CREEK DOWNSTREAM FROM CEDAR HOLLOW CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_TMS_1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK ABOUT 200 FEET DOWNSTREAM FROM THE CONFLUENCE WITH CEDAR HOLLOW CREEK AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/90-08/31/90	57	17.	16.73	20.	12.	3.891	1.973	14.	15.4	18.	19.
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/90-08/31/90	62	2.05	6.224	109.3	0.6	262.95	16.216	1.2	1.575	3.5	9.49

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0181

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	62	3	0.05							62	3	0.05			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0182

NPS Station ID: VAFO0182 | LAT/LON: 40.067503/ -75.517976 | Agency: 11NPSWRD | Date Created: 08/28/99
Location: CEDAR HOLLOW CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_TMS_3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CEDAR HOLLOW CREEK ABOUT 100 FEET UPSTREAM FROM THE CONFLUENCE WITH VALLEY CREEK AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/90-08/31/90	57	17.	17.161	20.5	12.	4.535	2.13	13.84	16.	19.	20.
00300	OXYGEN, DISSOLVED MG/L	06/07/90-06/07/90	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/90-08/31/90	62	1.5	3.295	68.5	0.4	77.639	8.811	0.73	1.2	2.6	4.51

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0182

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	62	1	0.02							62	1	0.02			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0183

NPS Station ID: VAFO0183 LAT/LON: 40.067503/ -75.517949 Agency: 11NPSWRD Date Created: 08/28/99
Location: MOUTH OF WARNER COMPANY DISCHARGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /CANAL/TYPA/OUTFL/AMBNT STORET Station ID(s): VAFO_FE_4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS STATION IS LOCATED AT THE MOUTH OF THE WARNER COMPANY DISCHARGE AND IS OUTSIDE THE VALLEY FORGE NATIONAL HISTORIC PARK BOUNDARY. DATA ARE FROM A LABORATORY REPORT SHEET. SAMPLES WERE COLLECTED BY FISHERIES-ENVIRONMENTAL. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	1	460.	460.	460.	460.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/11/87-02/11/87	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/87-02/11/87	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	1	244.	244.	244.	244.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	2.63	2.63	2.63	2.63	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	201.	201.	201.	201.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	1	30.8	30.8	30.8	30.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	1	140.	140.	140.	140.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0184

NPS Station ID: VAFO0184 | LAT/LON: 40.050226/ -75.518392 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 11 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_11
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 11 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/12/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/12/94	1	55.	55.	55.	55.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0184

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0184

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0185

NPS Station ID: VAFO0185 LAT/LON: 40.065003/ -75.518337 Agency: 112WRD Date Created: 03/23/85
Location: VALLEY CREEK AT CHURCH ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400354075310601
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203034000.00 RF3 Mile Point: 2.63 Distance from RF3: 0.24 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/84-10/10/84	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/10/84-10/10/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/84-10/10/84	1	730.	730.	730.	730.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/10/84-10/10/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/10/84-10/10/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/84-10/10/84	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/10/84-10/10/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/10/84-10/10/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/84-10/10/84	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/10/84-10/10/84	1	230.	230.	230.	230.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/10/84-10/10/84	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/10/84-10/10/84	1	260.	260.	260.	260.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/10/84-10/10/84	1	416.	416.	416.	416.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0185

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0186

NPS Station ID: VAFO0186 | LAT/LON: 40.065142/ -75.518281 | Agency: 11NPSWRD | Date Created: 04/17/99
Location: VALLEY CREEK AT CHURCH ROAD | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_PSU_07
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF VALLEY CREEK AND CHURCH ROAD. DATA ARE FROM THE DRAFT REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	1	18.6	18.6	18.6	18.6	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	1	7.92	7.92	7.92	7.92	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/14/87-07/14/87	1	7.92	7.92	7.92	7.92	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-07/14/87	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	25000.	25000.	25000.	25000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.398	4.398	4.398	4.398	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			25000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	890.	890.	890.	890.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	2.949	2.949	2.949	2.949	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			890.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0186

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0186

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0187

NPS Station ID: VAFO0187 LAT/LON: 40.065003/ -75.518588 Agency: 11NPSWRD Date Created: 09/25/99
Location: WARNER COMPANY DISCHARGE AT CHURCH ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_TU_WF
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT THE WARNER COMPANY DISCHARGE AT CHURCH ROAD AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A CORRESPONDENCE FROM A. JOSEPH ARMSTRONG OF TROUT UNLIMITED TO THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES. DATA WERE COLLECTED IN ORDER TO EVALUATE VALLEY CREEK FOR A CHANGE IN DESIGNATION TO COLD WATER FISHERY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0187

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/14/85-09/25/85	148	65.	65.478	77.	57.2	14.732	3.838	60.8	62.7	68.75	70.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0188

NPS Station ID: VAFO0188 LAT/LON: 40.065286/ -75.518486 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473161) VALLEY CR AT CHURCH RD; CEDAR HOLLOW FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK AT CHURCH ROAD AT CEDAR HOLLOW; USGS STATION NUMBER 01473161. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	799.	799.	799.	799.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	275.	275.	275.	275.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.309	0.309	0.309	0.309	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.085	0.085	0.085	0.085	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0189

NPS Station ID: VAFO0189
LAT/LON: 40.049753/ -75.518588
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 3 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MOUTH OF AN UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/31/94-01/31/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/31/94-01/31/94	1	324.	324.	324.	324.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/31/94-01/31/94	1	316.	316.	316.	316.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/31/94-01/31/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/31/94-01/31/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/31/94-01/31/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	1	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/94-01/31/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/31/94-01/31/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/94-01/31/94	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/31/94-01/31/94	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/31/94-01/31/94	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	1	188.	188.	188.	188.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/31/94-01/31/94	1	58.1	58.1	58.1	58.1	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/31/94-01/31/94	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/31/94-01/31/94	1	27.4	27.4	27.4	27.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/94-01/31/94	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/94-01/31/94	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/94-01/31/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/94-01/31/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/94-01/31/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/31/94-01/31/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/31/94-01/31/94	1	183.	183.	183.	183.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/31/94-01/31/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/31/94-01/31/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/31/94-01/31/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/31/94-01/31/94	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/31/94-01/31/94	1	153.	153.	153.	153.	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/31/94-01/31/94	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/31/94-01/31/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/31/94-01/31/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/31/94-01/31/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00				1	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0190

NPS Station ID: VAFO0190
LAT/LON: 40.062226/ -75.518616
Agency: 112WRD
Date Created: 03/31/84
Location: VALLEY CREEK AT CHURCH ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400344075310701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 23.30
On/Off RF1:
RF3 Index: 02040203007105.97
RF3 Mile Point: 6.12
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/83-10/21/83	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/83-10/21/83	1	720.	720.	720.	720.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/21/83-10/21/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/21/83-10/21/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/83-10/21/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/21/83-10/21/83	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/21/83-10/21/83	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/83-10/21/83	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/83-10/21/83	1	242.	242.	242.	242.	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/21/83-10/21/83	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/83-10/21/83	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/83-10/21/83	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-10/21/83	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/21/83-10/21/83	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/21/83-10/21/83	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/21/83-10/21/83	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/21/83-10/21/83	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/83-10/21/83	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/21/83-10/21/83	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/21/83-10/21/83	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/21/83-10/21/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/21/83-10/21/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/21/83-10/21/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/21/83-10/21/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/21/83-10/21/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/21/83-10/21/83	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/21/83-10/21/83	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/21/83-10/21/83	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/21/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/21/83-10/21/83	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/21/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/83-10/21/83	1	250.	250.	250.	250.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/83-10/21/83	1	453.	453.	453.	453.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/21/83-10/21/83	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/83-10/21/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0190

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0191

NPS Station ID: VAFO0191 LAT/LON: 40.065087/ -75.518560 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CREEK AT CHURCH ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_26
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT CHURCH ROAD. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/98-09/10/98	1	13.8	13.8	13.8	13.8	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/10/98-09/10/98	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/10/98-09/10/98	1	7.96	7.96	7.96	7.96	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/10/98-09/10/98	1	7.96	7.96	7.96	7.96	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/10/98-09/10/98	1	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0191

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0192

NPS Station ID: VAFO0192
LAT/LON: 40.065059/ -75.518671
Agency: 11NPSWRD
Date Created: 08/28/99
Location: VALLEY CREEK AT CHURCH ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_TMS_8
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK UPSTREAM FROM THE CHURCH ROAD BRIDGE AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/15/90-06/15/90	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0192

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0193

NPS Station ID: VAFO0193
LAT/LON: 40.065115/ -75.518531
Agency: 11NPSWRD
Date Created: 10/05/99
Location: VALLEY CREEK NEAR CHURCH ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_CHS_VC3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM VALLEY CREEK NEAR CHURCH ROAD. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/03/72-10/09/92	5	22.	21.8	23.	20.	1.7	1.304	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/09/92	5	13.8	13.64	16.3	11.1	4.523	2.127	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-09/28/89	4	19.5	18.65	23.6	12.	24.89	4.989	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/03/72-10/09/92	5	1.2	1.04	1.6	0.4	0.208	0.456	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/09/92	5	10.	9.8	15.	5.	13.7	3.701	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/09/92	5	0.4	0.6	1.3	0.4	0.155	0.394	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/86-10/09/92	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-10/07/92	6	777.	717.333	865.	355.	33508.667	183.054	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/03/72-09/28/89	5	10.	10.	12.	7.	3.5	1.871	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/03/72-10/07/92	6	7.65	7.583	7.9	7.	0.102	0.319	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/03/72-10/07/92	6	7.647	7.466	7.9	7.	0.118	0.344	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/03/72-10/07/92	6	0.023	0.034	0.1	0.013	0.001	0.033	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-10/07/92	6	190.	195.833	230.	170.	724.167	26.91	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/28/89	5	0.08	0.124	0.35	0.001	0.018	0.134	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/07/92	6	3.1	2.8	5.	0.7	2.164	1.471	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-10/07/92	6	0.315	0.467	1.2	0.18	0.155	0.394	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/83	2	51.	51.	98.	4.	4418.	66.468	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/03/72-09/29/86	4 ##	8.5	279.25	1100.	0.	299435.583	547.207	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/29/86	4	625.	813.	2000.	2.	838609.333	915.756	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/03/72-09/29/86	4 ##	21.5	135.75	500.	0.	59078.917	243.062	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/72-09/29/86	4	162.	401.	1250.	30.	326470.667	571.376	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/03/72-09/29/86	4 ##	25.5	37.75	100.	0.	1866.917	43.208	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/09/92	6	0.7	0.917	2.	0.5	0.314	0.56	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-10/07/92	5	1100.	1033.	2500.	200.	883320.	939.851	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-10/07/92	6	412.5	996.333	4350.	110.	2733662.667	1653.379	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-10/07/92	6	237.5	923.	4600.	10.	3267232.	1807.549	**	**	**	**
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/03/72-10/09/92	6	10.5	12.333	19.	7.	21.467	4.633	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-10/09/92	6	2.155	1.872	2.56	0.86	0.551	0.742	**	**	**	**
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	09/28/89-09/28/89	1	385.	385.	385.	385.	0.	0.	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-09/28/89	3	110.	104.	200.	2.	9828.	99.136	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0193

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	5	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	0	0.00	6	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	1	0.25	4	1	0.25									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	1	0.25	4	1	0.25									
		Drinking Water	15.	3 &	2	0.67	3	2	0.67									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	1	0.25	4	1	0.25									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	6	3	0.50	6	3	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0194

NPS Station ID: VAFO0194
LAT/LON: 40.065003/ -75.518616
Agency: 21PA
Date Created: 06/27/92
Location: VALLEY CREEK AT CHURCH ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO
STORET Station ID(s): WQF00991-006.2 /PFBC6-077
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 18.50
On/Off RF1:
RF3 Index: 02040203034700.00
RF3 Mile Point: 0.20
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39515	PCBS (MG/KG) FISH TISSUE MG/KG	03/11/80-03/11/80	2	0.415	0.415	0.7	0.13	0.162	0.403	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/11/80-03/11/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0195

NPS Station ID: VAFO0195
LAT/LON: 40.049866/ -75.518643
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 10 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VOS_10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 10 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/31/94-04/04/94	2 ##	0.375	0.375	0.5	0.25	0.031	0.177	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0195

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00				2	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0195

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0196

NPS Station ID: VAFO0196
LAT/LON: 40.064810/ -75.518809
Agency: 11NPSWRD
Date Created: 07/03/99
Location: VALLEY CREEK AT CHURCH ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI85_3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT CHURCH ROAD. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED AND TO DETERMINE THE IMPACT OF THE WARNER COMPANY'S CEDAR HOLLOW QUARRY DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/84-11/08/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/08/84-11/08/84	1	465.	465.	465.	465.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/84-11/08/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/08/84-11/08/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/08/84-11/08/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/84-11/08/84	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	242.	242.	242.	242.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	1	452.	452.	452.	452.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/08/84-11/08/84	1	436.	436.	436.	436.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/08/84-11/08/84	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/08/84-11/08/84	1	0.87	0.87	0.87	0.87	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	1	0.068	0.068	0.068	0.068	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/08/84-11/08/84	1	2.45	2.45	2.45	2.45	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/08/84-11/08/84	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	236.	236.	236.	236.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/84-11/08/84	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	1	46.	46.	46.	46.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/08/84-11/08/84	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/08/84-11/08/84	1	160.	160.	160.	160.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/08/84-11/08/84	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0196

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0197

NPS Station ID: VAFO0197
LAT/LON: 40.064670/ -75.519059
Agency: 11NPSWRD
Date Created: 10/05/99
Location: VALLEY CREEK AT CHURCH ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_VAL4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK AT CHURCH ROAD. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/90-11/22/93	11	15.5	13.245	18.4	6.2	23.769	4.875	6.34	7.	17.3	18.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/90-12/27/91	9	772.	643.444	830.	217.	61163.028	247.312	217.	410.5	804.	830.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/90-11/22/93	11	10.1	10.609	13.6	8.7	2.469	1.571	8.8	9.3	11.9	13.44
00403	PH, LAB, STANDARD UNITS SU	06/19/90-11/22/93	10	7.85	7.83	8.	7.5	0.033	0.183	7.51	7.675	8.	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/90-11/22/93	10	7.847	7.793	8.	7.5	0.035	0.187	7.51	7.675	8.	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/90-11/22/93	10	0.014	0.016	0.032	0.01	0.	0.007	0.01	0.01	0.021	0.031
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/90-11/22/93	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/90-11/22/93	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/90-11/22/93	10	100.	97.6	120.	60.	395.378	19.884	62.	80.	120.	120.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/90-11/22/93	5 ##	0.	0.016	0.08	0.	0.001	0.036	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/11/93-03/11/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-05/19/93	3	200.	700.	1800.	100.	910000.	953.939	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/19/90-11/22/93	11	1.2	1.2	1.7	0.3	0.16	0.4	0.42	0.9	1.6	1.68
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/19/90-11/22/93	17	0.2	35.359	100.	0.	2421.624	49.21	0.	0.1	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0197

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	10	0	0.00	3	0	0.00	1	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	3	0	0.00	1	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	3	0	0.00	1	0	0.00	6	0	0.00			
		Drinking Water	250.	10	0	0.00	3	0	0.00	1	0	0.00	6	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	5	1	0.20	2	1	0.50	1	0	0.00	2	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	2	0.67	1	1	1.00	1	1	1.00	1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	17	6	0.35	5	2	0.40	2	1	0.50	10	3	0.30			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0198

NPS Station ID: VAFO0198 LAT/LON: 40.069753/ -75.519338 Agency: 11NPSWRD Date Created: 08/28/99
Location: DISCHARGE BELOW WARNER COMPANY SETTLING POND FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /CANAL/TYPA/OUTFL/AMBNT STORET Station ID(s): VAFO_FE_3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS STATION IS LOCATED AT THE DISCHARGE DOWNSTREAM FROM THE WARNER COMPANY SETTLING POND AND IS OUTSIDE THE VALLEY FORGE NATIONAL HISTORIC PARK BOUNDARY. DATA ARE FROM A LABORATORY REPORT SHEET. SAMPLES WERE COLLECTED BY FISHERIES- ENVIRONMENTAL. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/11/87-02/11/87	1	460.	460.	460.	460.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/11/87-02/11/87	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/11/87-02/11/87	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/87-02/11/87	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/11/87-02/11/87	1	258.	258.	258.	258.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/11/87-02/11/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/87-02/11/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/11/87-02/11/87	1	205.	205.	205.	205.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	02/11/87-02/11/87	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/11/87-02/11/87	1	30.8	30.8	30.8	30.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/11/87-02/11/87	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/11/87-02/11/87	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/11/87-02/11/87	1	230.	230.	230.	230.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	02/11/87-02/11/87	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/11/87-02/11/87	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0199

NPS Station ID: VAFO0199 | LAT/LON: 40.050198/ -75.519559 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 9 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_09
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	2 ##	0.425	0.425	0.6	0.25	0.061	0.247	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	01/31/94-04/04/94	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/31/94-04/04/94	2	2.35	2.35	3.3	1.4	1.805	1.344	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/31/94-04/04/94	2	7.15	7.15	8.	6.3	1.445	1.202	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/31/94-04/04/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	01/31/94-04/04/94	2 ##	0.425	0.425	0.6	0.25	0.061	0.247	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/31/94-04/04/94	2	1.65	1.65	2.4	0.9	1.125	1.061	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0199

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00				2	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0199

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	2	1.00				2	2	1.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0200

NPS Station ID: VAFO0200 | LAT/LON: 40.050115/ -75.519559 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 2 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_ABI95_02
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 10 METERS UPSTREAM OF WORTHINGTON STEEL AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/31/94-01/31/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/31/94-01/31/94	1	338.	338.	338.	338.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/31/94-01/31/94	1	332.	332.	332.	332.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/31/94-01/31/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/31/94-01/31/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/31/94-01/31/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/31/94-01/31/94	1	3.03	3.03	3.03	3.03	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/94-01/31/94	1	0.23	0.23	0.23	0.23	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/31/94-01/31/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/94-01/31/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/31/94-01/31/94	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/31/94-01/31/94	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/94-01/31/94	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/31/94-01/31/94	1	43.3	43.3	43.3	43.3	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/31/94-01/31/94	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/31/94-01/31/94	1	44.1	44.1	44.1	44.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/94-01/31/94	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/94-01/31/94	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/94-01/31/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/94-01/31/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/94-01/31/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/31/94-01/31/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/31/94-01/31/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/31/94-01/31/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/31/94-01/31/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/31/94-01/31/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/31/94-01/31/94	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/31/94-01/31/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/31/94-01/31/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/31/94-01/31/94	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0200

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00				1	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0201

NPS Station ID: VAFO0201
LAT/LON: 40.050616/ -75.519338
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK DOWNSTREAM OF THE CONFLUENCE WITH THE UNNAMED TRIBUTARY AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/12/94	1	1482.	1482.	1482.	1482.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/12/94	1	1256.	1256.	1256.	1256.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	1	226.	226.	226.	226.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.054	0.054	0.054	0.054	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	1.42	1.42	1.42	1.42	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	01/12/94-01/12/94	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	1	704.	704.	704.	704.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/12/94-01/12/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/12/94-01/12/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/12/94-01/12/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/12/94-01/12/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/12/94-01/12/94	1	52.	52.	52.	52.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/12/94-01/12/94	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/12/94-01/12/94	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0201

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	1	1.00	1	1	1.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0202

NPS Station ID: VAFO0202
LAT/LON: 40.070083/ -75.519542
Agency: 11NPSWRD
Date Created: 09/25/99
Location: TRIBUTARY TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_TVC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT A TRIBUTARY TO VALLEY CREEK AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34668	DICHLORODIFUOROMETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/24/84-04/29/85	2	16.	16.	19.	13.	18.	4.243	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	08/24/84-04/29/85	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0202

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00							2	0	0.00			
		Drinking Water	700.	2	0	0.00							2	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00							2	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00							2	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	2	0	0.00							2	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	2	1.00							2	2	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0203

NPS Station ID: VAFO0203
LAT/LON: 40.070003/ -75.519448
Agency: 112WRD
Date Created: 12/01/84
Location: WARNER QUARRY BELOW SETTLING POND
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400412075311001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 21.70
On/Off RF1:
RF3 Index: 02040203034500.56
RF3 Mile Point: 4.24
Distance from RF3: 0.11
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/85-04/29/85	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	1	423.	423.	423.	423.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/29/85-04/29/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/29/85-04/29/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/29/85-04/29/85	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	1	164.	164.	164.	164.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	08/24/84-04/29/85	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/24/84-04/29/85	2	16.	16.	19.	13.	18.	4.243	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	1	275.	275.	275.	275.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0203

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	2	0	0.00							2	0	0.00			
		Drinking Water	1000.	2	0	0.00							2	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00							2	0	0.00			
		Drinking Water	700.	2	0	0.00							2	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00							2	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00							2	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	2	0	0.00							2	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	2	1.00							2	2	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0204

NPS Station ID: VAFO0204
LAT/LON: 40.070727/ -75.519753
Agency: 11NPSWRD
Date Created: 07/03/99
Location: CEDAR HOLLOW CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI85_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A DISCHARGE STREAM (FORMERLY CEDAR HOLLOW CREEK). DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED AND TO DETERMINE THE IMPACT OF THE WARNER COMPANY'S CEDAR HOLLOW QUARRY DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	2	13.	13.	17.	9.	32.	5.657	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	2	370.	370.	450.	290.	12800.	113.137	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	2	9.4	9.4	10.2	8.6	1.28	1.131	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/84-11/08/84	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-11/08/84	2	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	2	171.	171.	174.	168.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/05/94	2	284.	284.	298.	270.	392.	19.799	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/05/94	3	278.	250.	294.	178.	3952.	62.865	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/05/94	3	20.	39.333	92.	6.	2129.333	46.145	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	11/05/94-11/05/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	1.81	1.81	1.98	1.64	0.058	0.24	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	2	0.12	0.12	0.22	0.02	0.02	0.141	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	1	28.1	28.1	28.1	28.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	2	25.	25.	26.	24.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	2	130.	130.	160.	100.	1800.	42.426	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	2	4.45	4.45	6.	2.9	4.805	2.192	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0204

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	2	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0205

NPS Station ID: VAFO0205
LAT/LON: 40.049838/ -75.520838
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI95_01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 10 METERS UPSTREAM OF 84 LUMBER DRIVEWAY AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "EVALUATE THE WATER QUALITY UPSTREAM AND DOWNSTREAM OF WORTHINGTON STEEL AND THE UNISYS CORPORATION." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	09/25/90-09/25/90	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/25/90	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/25/90-09/25/90	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/90-09/25/90	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/25/90-09/25/90	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/25/90-09/25/90	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/25/90-09/25/90	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/25/90-09/25/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0205

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0206

NPS Station ID: VAFO0206 LAT/LON: 40.049559/ -75.522253 Agency: 11NPSWRD Date Created: 07/03/99
Location: LITTLE VALLEY CREEK STATION 3 (AT 84 LUMBER) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_LVC_3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 84 LUMBER DRIVEWAY AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0206

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0207

NPS Station ID: VAFO0207 LAT/LON: 40.146392/ -75.522227 Agency: 11131DWQ Date Created: 09/26/81
Location: SCHUYLKILL R. AT PHOENIXVILLE WATER PLANT FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): DEL 84B /84B / SCH 13A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE R.-SCHUYLKILL ECO Region:
RF1 Index: 02040203008 RF1 Mile Point: 3.130 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040203000800.00 RF3 Mile Point: 0.51 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/12/81-03/12/81	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/12/81-03/12/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/12/81-03/12/81	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/12/81-03/12/81	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	03/12/81-03/12/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/12/81-03/12/81	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	03/12/81-03/12/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/12/81-03/12/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34205	ACENAPHTHENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34210	ACROLEIN TOTWUG/L	03/12/81-03/12/81	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34215	ACRYLONITRILE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	03/12/81-03/12/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34320	CHRYSENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	03/12/81-03/12/81	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	03/12/81-03/12/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	03/12/81-03/12/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	03/12/81-03/12/81	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	03/12/81-03/12/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	03/12/81-03/12/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	03/12/81-03/12/81	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	03/12/81-03/12/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	03/12/81-03/12/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	03/12/81-03/12/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/12/81-03/12/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	03/12/81-03/12/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	03/12/81-03/12/81	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	03/12/81-03/12/81	1 ##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	03/12/81-03/12/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/12/81-03/12/81	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0207

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	0 &	0	0.00												
		Drinking Water	0.2	0 &	0	0.00												
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	1	1.00				1	1	1.00						
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00				1	0	0.00						
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	0 &	0	0.00												
		Drinking Water	50.	1	0	0.00				1	0	0.00						
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0207

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00				1	0	0.00						
		Drinking Water	1000.	1	0	0.00				1	0	0.00						
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00				1	0	0.00						
34210	ACROLEIN, TOTAL	Fresh Acute	68.	1	0	0.00				1	0	0.00						
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00				1	0	0.00						
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
34346	1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00				1	0	0.00						
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00				1	0	0.00						
		Drinking Water	700.	1	0	0.00				1	0	0.00						
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00				1	0	0.00						
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00				1	0	0.00						
34403	INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00				1	0	0.00						
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00						
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00				1	0	0.00						
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00				1	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00				1	0	0.00						
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00						
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00				1	0	0.00						
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00						
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00				1	0	0.00						
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00				1	0	0.00						
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00				1	0	0.00						
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00				1	0	0.00						
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00				1	0	0.00						
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00				1	0	0.00						
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00				1	0	0.00						
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00				1	0	0.00						
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00				1	0	0.00						
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00				1	0	0.00						
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	1.	0 &	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00				1	0	0.00						
		Drinking Water	6.	1	0	0.00				1	0	0.00						
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0 &	0	0.00												
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00				1	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00				1	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0207

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00				1	0	0.00						
		Drinking Water	3.	1	0	0.00				1	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00				1	0	0.00						
		Drinking Water	0.4	1	0	0.00				1	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00				1	0	0.00						
		Drinking Water	1.	0 &	0	0.00												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0208

NPS Station ID: VAFO0208 LAT/LON: 40.049559/ -75.522170 Agency: 11NPSWRD Date Created: 07/03/99
Location: SOUTH SPRING UPSTREAM OF 84 LUMBER DRIVEWAY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_ABI_LS
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE SOUTH SPRING UPSTREAM THE 84 LUMBER DRIVEWAY. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-06/24/93	3	0.4	0.433	0.5	0.4	0.003	0.058	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/29/93-06/24/93	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	3	228.	227.333	232.	222.	25.333	5.033	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/29/93-06/24/93	3	424.	429.333	444.	420.	165.333	12.858	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-05/25/93	2	424.	424.	437.	411.	338.	18.385	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-05/25/93	2	10.	10.	13.	7.	18.	4.243	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-06/24/93	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-06/24/93	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	3	0.006	0.005	0.006	0.004	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	3	1.93	1.997	2.2	1.86	0.032	0.18	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-06/24/93	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-06/24/93	3	0.02	0.023	0.03	0.02	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-06/24/93	3	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	3	269.	270.333	278.	264.	50.333	7.095	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-06/24/93	3	77.9	77.133	79.1	74.4	5.963	2.442	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-06/24/93	3	26.3	26.567	28.1	25.3	2.013	1.419	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-06/24/93	3	48.	48.333	50.	47.	2.333	1.528	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-06/24/93	3	34.	35.	38.	33.	7.	2.646	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-06/24/93	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-06/24/93	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-06/24/93	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-06/24/93	3	15.	18.333	28.	12.	72.333	8.505	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-06/24/93	3	254.	250.667	306.	192.	3257.333	57.073	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-06/24/93	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-06/24/93	3	65.	62.667	74.	49.	160.333	12.662	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-06/24/93	3 ##	12.5	23.333	45.	12.5	352.083	18.764	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-06/24/93	3 ##	5.	14.	32.	5.	243.	15.588	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-06/24/93	3	160.	146.833	213.	67.5	5422.583	73.638	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-06/24/93	3	800.	766.667	1000.	500.	63333.333	251.661	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-06/24/93	3	20.	106.667	290.	10.	25233.333	158.85	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-06/24/93	3	160.	153.333	290.	10.	19633.333	140.119	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-06/24/93	3	0.3	0.267	0.4	0.1	0.023	0.153	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-06/24/93	3	2.1	2.333	2.8	2.1	0.163	0.404	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0208

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00							3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00							3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							3	0	0.00			
		Drinking Water	250.	3	0	0.00							3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00							3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00							3	0	0.00			
		Drinking Water	5.	3	0	0.00							3	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33							3	1	0.33			
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00							3	0	0.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	1	0.33							3	1	0.33			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	3	0	0.00							3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00							3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0209

NPS Station ID: VAFO0209
LAT/LON: 40.049476/ -75.522448
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4A AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_4A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4A IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 200 YARDS DOWNSTREAM FROM ROUTE 29 AT 84 LUMBER COMPANY BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	435.	435.	435.	435.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	326.	326.	326.	326.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	3.74	3.74	3.74	3.74	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	174.	174.	174.	174.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	48.	48.	48.	48.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	8700.	8700.	8700.	8700.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	670.	670.	670.	670.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0209

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0210

NPS Station ID: VAFO0210 | LAT/LON: 40.049559/ -75.523198 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 8 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_08
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-04/04/94	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-04/04/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-04/04/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0210

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00				1	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0210

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0211

NPS Station ID: VAFO0211 LAT/LON: 40.049142/ -75.524004 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 7 AT SPRING TO LITTLE VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VOS_07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	1	12.4	12.4	12.4	12.4	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-04/04/94	1	105.	105.	105.	105.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-04/04/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-04/04/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0211

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	1	1.00				1	1	1.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0211

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0212

NPS Station ID: VAFO0212
LAT/LON: 40.070837/ -75.524449
Agency: 112WRD
Date Created: 10/19/85
Location: WARNER QUARRY DISCHARGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400415075312801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 1.10
On/Off RF1:
RF3 Index: 02040205066811.05
RF3 Mile Point: 11.77
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	1	417.	417.	417.	417.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/29/85-04/29/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/29/85-04/29/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/29/85-04/29/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/29/85-04/29/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1	24.	24.	24.	24.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	1	251.	251.	251.	251.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0212

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0213

NPS Station ID: VAFO0213
LAT/LON: 40.045837/ -75.524532
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT MOUTH OF SPRING SEEP
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI96_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION TWO IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MOUTH OF THE SPRING SEEP. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "ASSESS IMPACTS TO THE STREAM FROM THE SUMMERFIELD HOTEL CORPORATION INDUSTRIAL DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/94-03/01/94	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/94-03/01/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/01/94-03/01/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/01/94-03/01/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/94-03/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	1	272.	272.	272.	272.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/94-03/01/94	1	640.	640.	640.	640.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/01/94-03/01/94	1	632.	632.	632.	632.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/01/94-03/01/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/01/94-03/01/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	1	396.	396.	396.	396.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/94-03/01/94	1	125.	125.	125.	125.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/94-03/01/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/94-03/01/94	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/94-03/01/94	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/94-03/01/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/94-03/01/94	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/94-03/01/94	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/94-03/01/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/94-03/01/94	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/94-03/01/94	1	49.	49.	49.	49.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/94-03/01/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/94-03/01/94	1	336.	336.	336.	336.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	03/01/94-03/01/94	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/01/94-03/01/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	03/01/94-03/01/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/01/94-03/01/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0213

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0214

NPS Station ID: VAFO0214 LAT/LON: 40.045366/ -75.524366 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 1 ON UNNAMED TRIB TO LITTLE VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI96_1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION ONE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 10 METERS UPSTREAM OF THE CONFLUENCE WITH THE SPRING SEEP AT AN UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "ASSESS IMPACTS TO THE STREAM FROM THE SUMMERFIELD HOTEL CORPORATION INDUSTRIAL DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/94-03/01/94	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/94-03/01/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/01/94-03/01/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/01/94-03/01/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/94-03/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/94-03/01/94	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/01/94-03/01/94	1	248.	248.	248.	248.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/94-03/01/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/01/94-03/01/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/01/94-03/01/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	1	113.	113.	113.	113.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/94-03/01/94	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/94-03/01/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/94-03/01/94	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/94-03/01/94	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/94-03/01/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/94-03/01/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/94-03/01/94	1	69.	69.	69.	69.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/94-03/01/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/94-03/01/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/94-03/01/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/94-03/01/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/94-03/01/94	1	385.	385.	385.	385.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	03/01/94-03/01/94	1	200.	200.	200.	200.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/01/94-03/01/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	03/01/94-03/01/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/01/94-03/01/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0214

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0215

NPS Station ID: VAFO0215 LAT/LON: 40.046448/ -75.524477 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 3 ON UNNAMED TRIB TO LITTLE VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI96_3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION THREE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 10 METERS DOWNSTREAM OF THE ACCESS ROAD AT AN UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "ASSESS IMPACTS TO THE STREAM FROM THE SUMMERFIELD HOTEL CORPORATION INDUSTRIAL DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/94-03/01/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/94-03/01/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/01/94-03/01/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/01/94-03/01/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/94-03/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/94-03/01/94	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/01/94-03/01/94	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/94-03/01/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/01/94-03/01/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/94-03/01/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/94-03/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/01/94-03/01/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/94-03/01/94	1	117.	117.	117.	117.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/94-03/01/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/94-03/01/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/94-03/01/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/94-03/01/94	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/94-03/01/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/94-03/01/94	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/94-03/01/94	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/94-03/01/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/94-03/01/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/94-03/01/94	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/94-03/01/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/94-03/01/94	1	342.	342.	342.	342.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	03/01/94-03/01/94	1	400.	400.	400.	400.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/01/94-03/01/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	03/01/94-03/01/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/01/94-03/01/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/01/94-03/01/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0215

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0216

NPS Station ID: VAFO0216 LAT/LON: 40.065837/ -75.524726 Agency: 112WRD Date Created: 03/31/84
Location: LITTLE VALLEY CREEK AT STATE ROUTE 29 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400257075312901
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 2.00 On/Off RF1:
RF3 Index: 02040202202502.45 RF3 Mile Point: 2.59 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0216

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/83-10/21/83	1		9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/83-10/21/83	1		415.	415.	415.	415.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/21/83-10/21/83	1		7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/21/83-10/21/83	1		7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/83-10/21/83	1		0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/21/83-10/21/83	1		7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/21/83-10/21/83	1		7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/83-10/21/83	1		0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/83-10/21/83	1		116.	116.	116.	116.	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1		3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1		0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1		3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1		0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/21/83-10/21/83	1		3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/83-10/21/83	1		0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/83-10/21/83	1		0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-10/21/83	1	##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/21/83-10/21/83	1		43.	43.	43.	43.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/21/83-10/21/83	1		14.	14.	14.	14.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/21/83-10/21/83	1		23.	23.	23.	23.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/21/83-10/21/83	1		2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/83-10/21/83	1		44.	44.	44.	44.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/21/83-10/21/83	1		27.	27.	27.	27.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/21/83-10/21/83	1		7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/21/83-10/21/83	1		1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/21/83-10/21/83	1	##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/21/83-10/21/83	1	##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/21/83-10/21/83	1		1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/21/83-10/21/83	1		7.	7.	7.	7.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/21/83-10/21/83	1		1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/21/83-10/21/83	1		12.	12.	12.	12.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/21/83-10/21/83	1		2.	2.	2.	2.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/21/83	1	##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/21/83-10/21/83	1		8.	8.	8.	8.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-10/21/83	1		20.	20.	20.	20.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/83-10/21/83	1		8.	8.	8.	8.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/83-10/21/83	1		254.	254.	254.	254.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/21/83-10/21/83	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/83-10/21/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	1	0	0.00	1	0	0.00									
		Drinking Water	200.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0217

NPS Station ID: VAFO0217 LAT/LON: 40.048559/ -75.525170 Agency: 11NPSWRD Date Created: 07/03/99
Location: UNNAMED TRIBUTARY STATION 2 (US OF RT 29) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_LVC_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK UPSTREAM OF ROUTE 29 AT AN UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	425.	425.	425.	425.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0217

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00							1	1	1.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0218

NPS Station ID: VAFO0218
LAT/LON: 40.048670/ -75.525253
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 50 YARDS UPSTREAM OF THE ROUTE 29 BRIDGE OVER AN UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	290.	290.	290.	290.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	216.	216.	216.	216.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.084	0.084	0.084	0.084	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	3.12	3.12	3.12	3.12	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	30.4	30.4	30.4	30.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	70.	70.	70.	70.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0218

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00				1	1	1.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0219

NPS Station ID: VAFO0219 | LAT/LON: 40.048532/ -75.525227 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 6 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_06
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-04/04/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-04/04/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-04/04/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00				1	0	0.00						
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0220

NPS Station ID: VAFO0220 LAT/LON: 40.049088/ -75.525227 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 440 AT LITTLE VALLEY CK AT MOREHALL RD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_440
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 440 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF LITTLE VALLEY CREEK AND MOREHALL ROAD. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	38	13.8	12.576	23.5	0.	29.886	5.467	5.8	8.8	16.375	19.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	29	17.	14.672	33.	-6.	94.503	9.721	5.	-5.5	22.25	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	38	410.	402.711	546.	238.	4002.806	63.268	318.3	360.	445.	465.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-10/31/85	12	461.5	469.083	678.	370.	6134.629	78.324	381.7	413.5	499.25	630.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	38	10.4	10.468	18.	5.2	8.069	2.841	6.63	8.6	12.425	13.84
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	39 ##	2.5	4.41	30.	2.5	36.038	6.003	2.5	2.5	2.5	10.
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	39	7.8	7.838	8.9	7.1	0.119	0.345	7.3	7.6	8.	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	39	7.8	7.71	8.9	7.1	0.136	0.369	7.3	7.6	8.	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	39	0.016	0.02	0.079	0.001	0.	0.017	0.006	0.01	0.025	0.05
00406	PH, FIELD, STANDARD UNITS SU	08/14/90-10/20/97	15	7.59	7.685	8.37	6.95	0.185	0.43	7.016	7.44	7.96	8.346
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/90-10/20/97	15	7.59	7.503	8.37	6.95	0.221	0.47	7.016	7.44	7.96	8.346
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/90-10/20/97	15	0.026	0.031	0.112	0.004	0.001	0.031	0.005	0.011	0.036	0.097
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	39	135.	139.974	259.	24.5	2311.539	48.078	91.	111.	170.	202.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	38 ##	0.008	0.042	0.66	0.005	0.012	0.11	0.005	0.005	0.03	0.103
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	35 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	39	0.09	0.109	0.43	0.005	0.01	0.102	0.005	0.02	0.17	0.26
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	39	2.5	2.753	15.5	0.58	5.157	2.271	1.26	1.85	3.06	3.63
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	39 ##	0.005	0.014	0.06	0.005	0.	0.015	0.005	0.005	0.02	0.03
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	39	198.	197.769	301.	130.	1465.287	38.279	144.	177.	224.	245.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	39	31.2	34.759	148.	7.5	522.056	22.849	17.6	24.8	36.	60.
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	38	2.4	4.162	18.	0.02	18.438	4.294	0.99	1.983	5.15	10.78
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	39	40.	39.333	68.	7.	158.439	12.587	22.	29.	47.	54.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	39	33.	33.744	50.	19.	53.827	7.337	25.	30.	38.	43.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	39	0.37	0.398	0.87	0.04	0.072	0.269	0.05	0.12	0.62	0.79

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	39 ##	5.	6.538	12.5	5.	9.413	3.068	5.	5.	5.	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	39	100.	197.692	780.	60.	45365.587	212.992	60.	60.	300.	600.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	39 ##	25.	43.846	600.	25.	8634.818	92.924	25.	25.	25.	35.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	39 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	06/18/81-06/21/88	9	2800.	4970.	23000.	140.	51817500.	7198.437	140.	595.	6100.	23000.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	06/18/81-06/21/88	9	3.447	3.305	4.362	2.146	0.457	0.676	2.146	2.774	3.768	4.362
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			2016.689								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	39	290.	27522.321	1000000.	0.525	567849241.322	159899.497	20.	50.	1040.	9400.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	39	2.462	2.484	6.	-0.301	1.174	1.083	1.301	1.699	3.017	3.973
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			305.042								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	39	260.	2573.09	51000.	0.5	74376854.156	8624.202	10.	120.	970.	4100.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	39	2.415	2.432	4.708	-0.301	0.96	0.98	1.	2.079	2.987	3.613
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			270.394								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	38	0.01	0.016	0.06	0.005	0.	0.015	0.005	0.005	0.023	0.04
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	39	4.	5.514	19.	0.25	25.102	5.01	0.5	1.	7.	15.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	39	276.	276.333	367.	165.	2104.07	45.87	218.	239.	305.	342.
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	20	0.675	0.915	3.1	0.05	0.725	0.852	0.11	0.225	1.25	2.37

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	38	0	0.00	10	0	0.00	10	0	0.00	18	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	35	0	0.00	9	0	0.00	9	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	39	1	0.03	10	1	0.10	10	0	0.00	19	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	250.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	5000.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	9	6	0.67	1	1	1.00	2	0	0.00	6	5	0.83			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	39	23	0.59	10	4	0.40	10	2	0.20	19	17	0.89			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	10	14.	12.62	15.4	7.	7.08	2.661	7.2	10.95	14.05	15.28
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	10	17.5	15.72	20.	6.5	16.702	4.087	7.15	13.225	18.35	19.94
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	11	440.	424.273	472.	345.	1717.818	41.447	348.	400.	460.	470.6
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	10	8.	8.31	12.	5.2	6.759	2.6	5.2	5.8	11.15	11.96
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	10 ##	2.5	5.9	30.	2.5	75.878	8.711	2.5	2.5	4.125	27.9
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	10	7.65	7.61	7.9	7.2	0.054	0.233	7.21	7.45	7.8	7.89
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	10	7.647	7.55	7.9	7.2	0.058	0.241	7.21	7.45	7.8	7.89
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	10	0.023	0.028	0.063	0.013	0.	0.017	0.013	0.016	0.036	0.062
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	158.	174.5	259.	132.	2003.167	44.757	132.	135.75	208.75	256.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	9 ##	0.005	0.018	0.07	0.005	0.001	0.022	0.005	0.005	0.03	0.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	9 ##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.008	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.04	0.069	0.29	0.005	0.008	0.088	0.005	0.005	0.103	0.272
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	10	2.37	3.52	15.5	0.58	19.114	4.372	0.599	1.46	3.26	14.426
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	10 ##	0.008	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.013	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	200.5	214.	301.	148.	2229.778	47.221	150.8	177.5	249.5	297.8
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	10	28.	32.58	64.	10.	256.164	16.005	10.8	23.1	41.5	62.8
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	9	2.3	4.322	16.	1.7	21.772	4.666	1.7	2.	5.	16.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	10	35.5	31.4	45.	7.	146.489	12.103	8.4	21.75	40.25	44.9
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	10	36.	37.6	50.	28.	53.378	7.306	28.3	31.	43.5	49.5
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.175	0.26	0.62	0.04	0.054	0.233	0.04	0.07	0.565	0.616
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	10 ##	5.	6.5	12.5	5.	10.	3.162	5.	5.	6.875	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	10 ##	60.	122.	600.	60.	28484.444	168.773	60.	60.	100.	550.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	10 ##	25.	90.	600.	25.	32666.667	180.739	25.	25.	43.75	550.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	10	170.	1126.	9400.	20.	8503448.889	2916.067	20.	42.5	465.	8538.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	10	2.23	2.241	3.973	1.301	0.634	0.796	1.301	1.599	2.64	3.865
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			174.071								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	10	240.	1308.	9200.	130.	7875351.111	2806.306	130.	190.	1087.5	8424.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	10	2.379	2.624	3.964	2.114	0.339	0.582	2.114	2.27	3.03	3.883
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			420.336								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	9 ##	0.005	0.015	0.06	0.005	0.	0.019	0.005	0.005	0.02	0.06
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	2.5	2.78	6.	0.5	4.428	2.104	0.5	0.725	5.	5.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	10	285.5	289.6	342.	240.	1049.156	32.391	242.3	266.	313.25	341.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	10	6.25	5.86	11.5	0.	13.567	3.683	0.	3.	8.4	11.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	8	7.9	2.85	11.	-6.	38.923	6.239	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	9	360.	357.889	498.	238.	7964.111	89.242	238.	262.5	420.	498.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	10	12.75	12.86	15.1	11.2	1.152	1.073	11.28	12.15	13.475	14.96
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	10 ##	2.5	5.8	26.5	2.5	60.9	7.804	2.5	2.5	4.75	25.
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	10	8.05	8.1	8.9	7.2	0.193	0.44	7.27	7.9	8.4	8.85
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	10	8.047	7.88	8.9	7.2	0.247	0.497	7.27	7.9	8.4	8.85
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	10	0.009	0.013	0.063	0.001	0.	0.018	0.002	0.004	0.013	0.058
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	120.5	129.	227.	24.5	3069.278	55.401	29.9	102.875	164.	221.6
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	10	0.01	0.038	0.19	0.005	0.004	0.061	0.005	0.005	0.048	0.181
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	9 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.008	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.125	0.131	0.25	0.02	0.006	0.076	0.022	0.063	0.198	0.247
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	10	2.5	2.526	3.61	1.64	0.449	0.67	1.661	1.85	3.07	3.589
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	10 ##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.005	0.028
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	188.	193.7	245.	135.	1416.678	37.639	135.	171.75	225.5	243.2
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	10	34.9	30.45	60.	7.5	238.154	15.432	8.25	16.95	38.95	58.
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	10	2.35	2.848	5.9	0.02	3.782	1.945	0.088	1.45	4.4	5.87
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	10	50.	49.6	68.	28.	144.711	12.03	29.2	42.25	57.25	67.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	10	34.5	34.7	48.	25.	42.9	6.55	25.5	30.	37.5	47.4
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.59	0.527	0.86	0.1	0.063	0.251	0.12	0.308	0.76	0.853
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	10 ##	5.	6.5	12.5	5.	10.	3.162	5.	5.	6.875	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	10	215.	314.	780.	60.	70315.556	265.171	60.	112.5	550.	772.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	10	45.	103.05	380.	0.5	15589.692	124.859	1.45	25.	157.5	369.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	10	1.651	1.612	2.58	-0.301	0.667	0.817	-0.171	1.358	2.167	2.565
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			40.961								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	10	15.	79.05	460.	0.5	19956.803	141.269	1.45	10.	120.	426.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	10	1.151	1.33	2.663	-0.301	0.669	0.818	-0.171	1.	2.079	2.604
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			21.371								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	10	0.015	0.017	0.04	0.005	0.	0.013	0.005	0.005	0.03	0.039
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	3.5	5.575	15.	0.25	32.945	5.74	0.275	0.875	10.5	15.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	10	291.	274.2	321.	207.	1640.178	40.499	209.1	236.25	304.25	320.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-10/20/97	18	16.75	16.283	23.5	10.	13.029	3.61	10.9	13.45	18.925	20.35
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-10/20/97	11	24.	22.318	33.	10.	45.114	6.717	10.6	17.	27.	32.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-10/20/97	18	403.	411.944	546.	322.	2498.997	49.99	347.2	385.5	446.25	463.2
00300	OXYGEN, DISSOLVED MG/L	06/18/81-10/20/97	18	9.1	10.339	18.	8.2	7.252	2.693	8.47	8.675	10.7	16.29
00335	COD, .025N K2CR2O7 MG/L	06/18/81-03/17/97	19 ##	2.5	2.895	10.	2.5	2.961	1.721	2.5	2.5	2.5	2.5
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	19	7.8	7.821	8.2	7.1	0.061	0.246	7.6	7.7	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	19	7.8	7.738	8.2	7.1	0.068	0.261	7.6	7.7	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	19	0.016	0.018	0.079	0.006	0.	0.016	0.008	0.01	0.02	0.025
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	19	124.	127.579	191.	33.	1452.368	38.11	91.	105.	151.	190.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/18/81-03/17/97	19	0.01	0.056	0.66	0.005	0.022	0.15	0.005	0.005	0.03	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	17 ##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.022
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	19	0.09	0.12	0.43	0.005	0.014	0.117	0.005	0.02	0.18	0.31
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-03/17/97	19	2.4	2.469	3.84	1.15	0.664	0.815	1.26	1.9	3.15	3.63
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-03/17/97	19	0.01	0.019	0.06	0.005	0.	0.019	0.005	0.005	0.02	0.06
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	19	198.	191.368	259.	130.	1071.357	32.732	144.	163.	210.	240.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	19	31.2	38.174	148.	24.	829.697	28.804	24.	26.	34.	75.
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	19	2.4	4.778	18.	0.9	24.961	4.996	1.	1.93	5.75	16.5
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-03/17/97	19	39.	38.105	56.	20.	93.766	9.683	25.	29.	46.	50.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	19	31.	31.211	43.	19.	49.953	7.068	19.	28.	35.	43.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	19	0.37	0.403	0.87	0.05	0.074	0.272	0.05	0.11	0.66	0.8
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	19 ##	5.	6.579	12.5	5.	9.868	3.141	5.	5.	5.	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	19	80.	176.316	660.	60.	35191.228	187.593	60.	60.	270.	600.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	19 ##	25.	29.474	100.	25.	296.93	17.232	25.	25.	25.	35.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	19 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	19	710.	55846.316	1000000.	30.	5232072	5169.006	228737.24	80.	380.	1660.	23000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	19	2.851	3.072	6.	1.477	1.008	1.004	1.903	2.58	3.22	4.362
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1179.036								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	19	820.	4551.579	51000.	30.	144593436.257	12024.701	110.	180.	1600.	19000.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/18/81-03/17/97	19	2.914	2.911	4.708	1.477	0.586	0.765	2.041	2.255	3.204	4.279
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			815.168								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/18/81-03/17/97	19	0.01	0.015	0.06	0.005	0.	0.015	0.005	0.005	0.02	0.04
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	19	6.	6.921	19.	0.5	28.063	5.297	1.	4.	10.	16.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-03/17/97	19	270.	270.474	367.	165.	2960.708	54.412	206.	232.	328.	350.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0221

NPS Station ID: VAFO0221
LAT/LON: 40.070420/ -75.525227
Agency: 11NPSWRD
Date Created: 09/25/99
Location: CEDAR HOLLOW QUARRY DISCHARGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_CHQD
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CEDAR HOLLOW QUARRY DISCHARGE AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1	24.	24.	24.	24.	0.	0.	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	04/29/85-04/29/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0221

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0222

NPS Station ID: VAFO0222
LAT/LON: 40.049003/ -75.525253
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 6 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_6
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 40 YARDS UPSTREAM OF THE ROUTE 29 BRIDGE OVER LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	385.	385.	385.	385.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.078	0.078	0.078	0.078	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	2.76	2.76	2.76	2.76	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	42.4	42.4	42.4	42.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	470.	470.	470.	470.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	760.	760.	760.	760.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0222

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00				1	1	1.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0223

NPS Station ID: VAFO0223 LAT/LON: 40.048892/ -75.525837 Agency: 11NPSWRD Date Created: 07/03/99
Location: LITTLE VALLEY CREEK STATION 1 (US OF RT 29) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_LVC_1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK UPSTREAM OF ROUTE 29 AT LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/96-08/23/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/96-08/23/96	1	475.	475.	475.	475.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/96-08/23/96	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/96-08/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/96-08/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0223

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0224

NPS Station ID: VAFO0224 | LAT/LON: 40.048920/ -75.525837 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 5 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_05
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/04/94-05/02/94	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/04/94-05/02/94	2 ##	0.9	0.9	1.	0.8	0.02	0.141	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/04/94-05/02/94	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/04/94-05/02/94	2 ##	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/04/94-05/02/94	2	4.55	4.55	5.	4.1	0.405	0.636	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/04/94-05/02/94	2	16.35	16.35	16.7	16.	0.245	0.495	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/04/94-05/02/94	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/04/94-05/02/94	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	04/04/94-05/02/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/04/94-05/02/94	2	3.9	3.9	6.	1.8	8.82	2.97	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0224

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5.	2	0	0.00				1	0	0.00	1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00				1	0	0.00	1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00				1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0224

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5.	2	2	1.00				1	1	1.00	1	1	1.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	2	0	0.00				1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0225

NPS Station ID: VAFO0225 LAT/LON: 40.061504/ -75.526198 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 1961 FT DS OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_25
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 1961 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE AT "WHITE CLIFFS." DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	20	12.2	11.635	16.	6.5	10.439	3.231	7.02	8.7	14.725	15.88
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/31/98-03/31/98	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	20	7.7	8.35	11.2	5.8	3.785	1.945	6.22	6.6	10.375	11.2
00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	12	7.785	7.77	8.19	7.27	0.058	0.241	7.369	7.615	7.89	8.151
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/11/98-12/15/98	12	7.78	7.706	8.19	7.27	0.063	0.25	7.369	7.615	7.89	8.151
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/98-12/15/98	12	0.017	0.02	0.054	0.006	0.	0.012	0.007	0.013	0.024	0.045

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0225

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	20	0	0.00	7	0	0.00	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0226

NPS Station ID: VAFO0226
LAT/LON: 40.133809/ -75.526616
Agency: 21PENN
Date Created: 10/27/78
Location: AT CONFLU W/ SCHUYLKILL RIVER
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): FRE000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203019
RF1 Mile Point: 0.870
Distance from RF1: 0.40
On/Off RF1: OFF
RF3 Index: 02040203039700.00
RF3 Mile Point: 0.03
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM FRENCH CREEK - AT CONFLUENCE WITH SCHUYKILL RIVER OFF PA 29

Parameter Inventory for Station: VAFO0226

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0227

NPS Station ID: VAFO0227
LAT/LON: 40.149170/ -75.526670
Agency: 21PA
Date Created: 10/08/94
Location: SCHUYLKILL RIVER IN BLACK ROCK POOL
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO
STORET Station ID(s): WQF00833-039.4 /PFBC6-100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/15/93-10/22/93	3	3.5	3.233	5.6	0.6	6.303	2.511	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/15/93-10/22/93	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/15/93-10/22/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/15/93-10/22/93	3	0.3	0.475	1.	0.125	0.214	0.463	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	09/15/93-10/22/93	3	77.	76.333	79.	73.	9.333	3.055	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/15/93-10/22/93	3	0.27	0.237	0.29	0.15	0.006	0.076	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/15/93-10/22/93	3	0.16	0.123	0.16	0.05	0.004	0.064	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/15/93-10/22/93	3	1.68	1.367	2.02	0.4	0.73	0.854	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/15/93-10/22/93	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/15/93-10/22/93	3	5.	5.	5.	5.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/15/93-10/22/93	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/15/93-10/22/93	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	09/15/93-10/22/93	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/15/93-10/22/93	3 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0228

NPS Station ID: VAFO0228
LAT/LON: 40.148670/ -75.527198
Agency: 21PENN
Date Created: 10/25/78
Location: RT 113 DWNSTM FM CROMBY, SCHUYL
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SCH039
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203008
RF1 Mile Point: 3.480
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 02040203000702.05
RF3 Mile Point: 2.04
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM SCHUYLKILL RIVER - ROUTE 113 DOWNSTREAM FROM CROMBY,S CHUYLKILL TOWNSHIP, CHESTER COUNTY

Parameter Inventory for Station: VAFO0228

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0229

NPS Station ID: VAFO0229 LAT/LON: 40.148670/ -75.527198 Agency: 11131DWQ Date Created: 05/30/81
Location: SCHUYLKILL R AT RT 113 DS FR CROMBY, SCHUYLKILL FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SCH039
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL ECO Region:
RF1 Index: 02040203008 RF1 Mile Point: 3.480 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040205017900.00 RF3 Mile Point: 1.27 Distance from RF3: 0.07 On/Off RF3:
Description:
DATA FROM "SCHUYLKILL RIVER BASIN WATER QUALITY" REPORT SAMPLES ANALYZED FOR TOXICS
SAMPLE TAKEN FROM SCHUYLKILL RIVER AT RT 113 - DOWNSTREAM FROM CROMBY SCHUYLKILL TOWNSHIP, CHESTER COUNTY

Parameter Inventory for Station: VAFO0229

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: VAFO0230

NPS Station ID: VAFO0230 LAT/LON: 40.060726/ -75.527753 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 1451 FT DS OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_24
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 1451 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	20	12.25	11.675	16.	6.5	10.654	3.264	7.	8.5	14.725	15.89
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	20	7.4	8.02	11.	5.2	3.849	1.962	5.72	6.3	10.025	10.87
00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	12	7.745	7.733	8.12	7.18	0.063	0.251	7.273	7.592	7.918	8.078
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/11/98-12/15/98	12	7.744	7.659	8.12	7.18	0.069	0.262	7.273	7.592	7.917	8.078
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/98-12/15/98	12	0.018	0.022	0.066	0.008	0.	0.016	0.008	0.012	0.026	0.056

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0230

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	20	0	0.00	7	0	0.00	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0231

NPS Station ID: VAFO0231
LAT/LON: 40.109031/ -75.528170
Agency: 21PENN
Date Created: 10/25/78
Location: AT YMCA CAMPGROUND OFF L.R.15035
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PIC003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 999
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203035000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM "SCHULKILL RIVER BASIN WATER QUALITY" REPORT SEDIMENT ANALYZED FOR TOXICS
SAMPLE TAKEN FROM PICKERING CREEK - AT YMCA CAMPGROUND OFF L.R. 15035

Parameter Inventory for Station: VAFO0231

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0232

NPS Station ID: VAFO0232 LAT/LON: 40.109170/ -75.528338 Agency: 112WRD Date Created: / /
Location: PICKERING CREEK NEAR PHOENIXVILLE, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472190
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203036801.74 RF3 Mile Point: 2.05 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/31/96	34	10.85	11.212	22.	1.	25.394	5.039	4.5	7.8	15.	18.75
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-10/31/96	17	15.	15.865	23.	5.5	28.386	5.328	8.3	11.25	20.5	21.96
00060	FLOW, STREAM, MEAN DAILY CFS	10/20/67-08/09/68	14	50.	258.357	1160.	17.	126983.016	356.347	18.	30.	517.5	925.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-10/31/96	15	16.	20.6	45.	7.	149.971	12.246	8.8	11.	33.	42.6
00065	STAGE, STREAM (FEET)	10/15/81-10/31/96	5	1.6	1.59	1.78	1.36	0.028	0.167	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/18/83-10/06/92	9	0.6	0.844	2.9	0.4	0.61	0.781	0.4	0.5	0.75	2.9
00080	COLOR (PLATINUM-COBALT UNITS)	12/12/67-06/12/68	3	30.	22.667	35.	3.	296.333	17.214	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/67-10/31/96	28	200.5	196.143	272.	102.	1427.905	37.788	146.9	169.5	225.	245.3
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/31/96	20	11.3	11.02	13.3	7.4	1.849	1.36	9.3	10.05	11.95	12.39
00340	COD, .25N K2CR2O7 MG/L	11/12/69-10/01/73	4	22.5	25.5	54.	3.	483.	21.977	**	**	**	**
00400	PH (STANDARD UNITS)	12/12/67-10/31/96	25	7.5	7.412	8.1	6.68	0.158	0.398	6.748	7.15	7.77	7.84
00400	CONVERTED PH (STANDARD UNITS)	12/12/67-10/31/96	25	7.5	7.228	8.1	6.68	0.194	0.44	6.748	7.15	7.77	7.84
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/67-10/31/96	25	0.032	0.059	0.209	0.008	0.004	0.06	0.015	0.017	0.071	0.179
00403	PH, LAB, STANDARD UNITS SU	10/15/81-10/06/92	11	7.7	7.736	8.2	7.2	0.081	0.284	7.26	7.5	8.	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/81-10/06/92	11	7.7	7.65	8.2	7.2	0.089	0.298	7.26	7.5	8.	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/81-10/06/92	11	0.02	0.022	0.063	0.006	0.	0.016	0.007	0.01	0.032	0.057
00405	CARBON DIOXIDE (MG/L AS CO2)	10/01/73-10/19/77	5	2.7	2.92	4.1	1.9	0.982	0.991	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/67-10/07/91	17	48.	46.294	74.	18.	184.971	13.6	26.	37.	56.5	62.8
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/06/92-10/31/96	3	55.	47.	58.	28.	273.	16.523	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/12/67-10/19/77	7	48.	42.571	53.	22.	122.619	11.073	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/12/67-10/19/77	7	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/12/69-10/03/72	3	105.	120.333	153.	103.	801.333	28.308	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/01/73-10/15/81	6	1.6	1.583	2.	1.	0.154	0.392	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/08/85	4	1.9	1.7	2.	1.	0.22	0.469	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	0.36	0.382	0.73	0.01	0.065	0.255	0.01	0.16	0.645	0.73
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/15/81-10/15/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/31/96	14	0.01	0.027	0.14	0.005	0.001	0.038	0.005	0.005	0.028	0.105
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	0.04	0.038	0.12	0.	0.001	0.039	0.	0.005	0.055	0.12
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/31/96	14 ##	0.005	0.011	0.04	0.005	0.	0.013	0.005	0.005	0.01	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-10/15/81	6 ##	0.005	0.004	0.01	0.	0.	0.004	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/18/83	2	1.2	1.2	1.5	0.9	0.18	0.424	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/12/69-10/19/77	8	1.25	1.048	1.62	0.15	0.314	0.56	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/06/92	11	0.2	0.247	0.8	0.	0.054	0.233	0.02	0.1	0.4	0.74
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/15/81-10/08/85	2	0.125	0.125	0.25	0.	0.031	0.177	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/73-10/06/92	14	0.41	0.424	0.85	0.1	0.046	0.215	0.1	0.275	0.54	0.765
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/01/73-10/15/81	5	1.2	1.146	1.6	0.74	0.116	0.34	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/15/81-10/31/96	14	1.25	1.3	1.8	0.9	0.083	0.288	0.9	1.1	1.5	1.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/12/67-10/30/80	5	0.03	0.196	0.81	0.	0.12	0.347	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/03/72-10/06/92	18	0.02	0.021	0.04	0.005	0.	0.012	0.005	0.009	0.03	0.04
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/06/92	11	0.01	0.014	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.036
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/31/96	14 ##	0.005	0.009	0.025	0.005	0.	0.006	0.005	0.005	0.01	0.023
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/26/94-10/26/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/67-11/02/82	13	62.	57.823	83.	0.7	473.49	21.76	14.42	48.	71.5	81.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/12/67-10/19/77	8	26.5	28.25	35.	23.	19.643	4.432	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/67-10/06/92	20	19.	18.55	24.	9.	17.208	4.148	11.4	15.25	22.	23.
00916	CALCIUM, TOTAL (MG/L AS CA)	10/03/72-10/30/80	2	19.	19.	22.	16.	18.	4.243	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/67-10/06/92	20	6.45	5.935	7.2	3.	1.49	1.221	3.31	5.5	6.7	7.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/03/72-10/03/72	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/03/72-10/03/72	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/71-10/06/92	17	8.2	7.935	9.3	6.1	0.721	0.849	6.82	7.2	8.65	8.98
00931	SODIUM ADSORPTION RATIO	12/12/67-11/02/82	10	0.4	1.53	7.1	0.3	6.025	2.454	0.31	0.4	1.575	6.9
00932	SODIUM, PERCENT	10/23/71-11/02/82	8	17.	18.125	23.	17.	4.411	2.1	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/71-10/06/92	17	2.2	2.341	3.5	1.7	0.193	0.439	1.94	2.1	2.5	3.18
00937	POTASSIUM, TOTAL MG/L AS K)	10/03/72-10/03/72	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/67-10/31/96	26	16.5	15.846	22.	5.	20.855	4.567	7.7	13.75	19.25	21.3
00945	SULFATE, TOTAL (MG/L AS SO4)	12/12/67-10/06/92	22	18.	19.091	31.	12.	13.706	3.702	16.	17.	21.	23.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/23/71-10/06/92	12	0.1	0.142	0.7	0.	0.034	0.186	0.015	0.05	0.175	0.55
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/23/71-10/06/92	18	17.	17.333	20.	14.	1.647	1.283	15.8	17.	18.	19.1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/73-11/02/82	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/26/94-10/26/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/73-11/02/82	8 ##	0.25	0.688	3.	0.	1.067	1.033	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/26/94-10/26/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/26/94-10/26/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/73-11/02/82	8 ##	0.75	5.375	30.	0.	110.196	10.497	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/03/72-10/29/79	2 ##	35.	35.	50.	20.	450.	21.213	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-11/02/82	7 ##	0.	0.5	2.	0.	0.583	0.764	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/03/72-10/03/72	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/73-11/02/82	8 ##	0.5	2.125	10.	0.	11.839	3.441	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/03/72-10/29/79	2 ##	67.5	67.5	125.	10.	6612.5	81.317	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/26/94-10/26/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/03/72-10/01/73	2 ##	220.	220.	250.	190.	1800.	42.426	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/71-10/06/92	16	54.5	72.5	160.	40.	1443.467	37.993	42.1	48.25	85.75	153.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/23/71-11/02/82	8 ##	1.5	2.25	9.	0.	8.429	2.903	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/26/94-10/26/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/26/94-10/26/94	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/03/72-10/01/73	2 ##	42.5	42.5	80.	5.	2812.5	53.033	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/06/92	16	7.	11.875	70.	3.	266.783	16.334	3.	4.25	10.	35.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/23/71-11/02/82	8	2.5	2.188	5.	0.	3.567	1.889	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/03/72-10/03/72	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/73-11/02/82	8 ##	10.	9.25	20.	0.	60.5	7.778	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/03/72-10/29/79	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/26/94-10/26/94	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/18/83-10/06/92	9	10.	11.111	20.	5.	48.611	6.972	5.	5.	20.	20.
01132	LITHIUM, TOTAL (UG/L AS LI)	10/03/72-10/03/72	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/26/94-10/26/94	1	7400.	7400.	7400.	7400.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/12/69-10/01/73	4	2000.	5680.25	18700.	21.	76216493.583	8730.206	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/12/69-10/01/73	4	3.3	3.049	4.272	1.322	1.535	1.239	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1118.815								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/03/72-10/01/73	2	63.	63.	90.	36.	1458.	38.184	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/03/72-10/01/73	2	1.755	1.755	1.954	1.556	0.079	0.281	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			56.921								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/12/69-10/01/73	4	97.	153.625	420.	0.5	39621.896	199.052	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/12/69-10/01/73	4	1.292	1.227	2.623	-0.301	2.086	1.444	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			16.851								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-11/02/82	3	0.	0.01	0.03	0.	0.	0.017	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/06/86-10/26/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/06/86-10/26/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.225	0.225	0.4	0.05	0.061	0.247	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.175	0.175	0.3	0.05	0.031	0.177	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/06/86-10/26/94	2 ##	0.225	0.225	0.4	0.05	0.061	0.247	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.175	0.175	0.3	0.05	0.031	0.177	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.225	0.225	0.4	0.05	0.061	0.247	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/06/86-10/26/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/06/86-10/26/94	2 ##	0.225	0.225	0.4	0.05	0.061	0.247	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/06/86-10/26/94	2 ##	0.625	0.625	1.2	0.05	0.661	0.813	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/06/86-10/26/94	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/13/87	12	126.5	123.833	148.	69.	434.152	20.836	79.2	119.5	138.	145.9
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/71-10/19/77	5	108.	107.	116.	101.	36.	6.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/14/68-11/02/82	3	8.62	47.703	129.	5.49	4959.31	70.422	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-11/02/82	10	0.17	1.542	14.	0.09	19.162	4.377	0.095	0.14	0.19	12.619
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/23/71-10/15/81	8	0.015	0.016	0.03	0.005	0.	0.008	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/29/79-10/30/80	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/15/81-11/02/82	2	0.035	0.035	0.06	0.01	0.001	0.035	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/12/67-10/15/81	5	4.3	4.14	4.6	3.4	0.218	0.467	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/15/81-10/15/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/29/79-10/08/85	4	0.06	0.053	0.06	0.03	0.	0.015	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/01/73-10/15/81	6	7.05	6.967	8.8	4.6	2.779	1.667	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/81-11/02/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/29/79-10/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/26/94-10/26/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/67-10/03/72	12	18.5	151.583	893.	4.	76527.72	276.636	4.3	5.	268.5	759.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/67-10/03/72	12	1.955	292.426	1660.	0.26	351554.63	592.92	0.266	0.363	320.75	1582.
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/06/86-10/26/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0232

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	9	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	20	0	0.00									
00400	PH	Fresh Chronic	9.	25	0	0.00	23	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	25	0	0.00	23	0	0.00	2	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	0	0.00	11	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	14	0	0.00	14	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	6	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	7	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	14	0	0.00	14	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	22	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	26	0	0.00	22	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	20	0	0.00	2	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	12	0	0.00	12	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	8	0	0.00									
		Drinking Water	5.	8	0	0.00	8	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0232

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	8	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	0	0.00	8	0	0.00									
		Drinking Water	1300.	8	0	0.00	8	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	8	0	0.00									
		Drinking Water	15.	8	0	0.00	8	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00	8	0	0.00									
		Drinking Water	100.	8	0	0.00	8	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	8	0	0.00									
		Drinking Water	5000.	8	0	0.00	8	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	3	0.75	3	3	1.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/31/96	24	11.5	11.675	18.5	6.5	10.765	3.281	7.1	9.	14.625	16.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-10/31/96	16	17.25	16.231	23.	5.5	27.842	5.277	7.95	12.	20.5	22.09
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-10/31/96	14	15.	18.857	41.	7.	112.44	10.604	8.5	11.	25.5	38.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/18/83-10/06/92	9	0.6	0.844	2.9	0.4	0.61	0.781	0.4	0.5	0.75	2.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/67-10/31/96	24	203.5	205.208	272.	128.	976.433	31.248	157.5	191.	225.75	246.5
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/31/96	20	11.3	11.02	13.3	7.4	1.849	1.36	9.3	10.05	11.95	12.39
00400	PH (STANDARD UNITS)	12/12/67-10/31/96	23	7.5	7.435	8.1	6.68	0.166	0.407	6.732	7.3	7.8	7.86
00400	CONVERTED PH (STANDARD UNITS)	12/12/67-10/31/96	23	7.5	7.236	8.1	6.68	0.207	0.455	6.732	7.3	7.8	7.86
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/67-10/31/96	23	0.032	0.058	0.209	0.008	0.004	0.063	0.014	0.016	0.05	0.186
00403	PH, LAB, STANDARD UNITS SU	10/15/81-10/06/92	11	7.7	7.736	8.2	7.2	0.081	0.284	7.26	7.5	8.	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/81-10/06/92	11	7.7	7.65	8.2	7.2	0.089	0.298	7.26	7.5	8.	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/81-10/06/92	11	0.02	0.022	0.063	0.006	0.	0.016	0.007	0.01	0.032	0.057
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/67-10/07/91	16	49.	47.438	74.	18.	173.596	13.176	29.2	39.	56.75	64.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	0.36	0.382	0.73	0.01	0.065	0.255	0.01	0.16	0.645	0.73
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/31/96	14	0.01	0.027	0.14	0.005	0.001	0.038	0.005	0.005	0.028	0.105
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/03/72-10/15/81	9	0.04	0.038	0.12	0.	0.001	0.039	0.	0.005	0.055	0.12
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/31/96	14 ##	0.005	0.011	0.04	0.005	0.	0.013	0.005	0.005	0.01	0.04
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/06/92	11	0.2	0.247	0.8	0.	0.054	0.233	0.02	0.1	0.4	0.74
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/73-10/06/92	14	0.41	0.424	0.85	0.1	0.046	0.215	0.1	0.275	0.54	0.765
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/15/81-10/31/96	14	1.25	1.3	1.8	0.9	0.083	0.288	0.9	1.1	1.5	1.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/03/72-10/06/92	18	0.02	0.021	0.04	0.005	0.	0.012	0.005	0.009	0.03	0.04
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/06/92	11	0.01	0.014	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.036
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/31/96	14 ##	0.005	0.009	0.025	0.005	0.	0.006	0.005	0.005	0.01	0.023
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/67-11/02/82	10	65.5	59.37	83.	0.7	567.725	23.827	5.13	49.5	76.25	82.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/67-10/06/92	17	20.	19.471	24.	11.	12.64	3.555	14.2	17.	22.5	23.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/67-10/06/92	17	6.6	6.171	7.2	3.2	1.131	1.063	4.08	5.55	6.85	7.04
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/71-10/06/92	17	8.2	7.935	9.3	6.1	0.721	0.849	6.82	7.2	8.65	8.98
00931	SODIUM ADSORPTION RATIO	12/12/67-11/02/82	9	0.4	0.911	5.1	0.3	2.469	1.571	0.3	0.4	0.4	5.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/71-10/06/92	17	2.2	2.341	3.5	1.7	0.193	0.439	1.94	2.1	2.5	3.18
00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/67-10/31/96	22	17.	16.591	22.	7.	14.729	3.838	10.6	14.	19.25	21.7
00945	SULFATE, TOTAL (MG/L AS SO4)	12/12/67-10/06/92	20	18.	18.9	31.	12.	13.779	3.712	16.	17.	20.5	22.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/23/71-10/06/92	12	0.1	0.142	0.7	0.	0.034	0.186	0.015	0.05	0.175	0.55
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/23/71-10/06/92	18	17.	17.333	20.	14.	1.647	1.283	15.8	17.	18.	19.1
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/71-10/06/92	16	54.5	72.5	160.	40.	1443.467	37.993	42.1	48.25	85.75	153.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/06/92	16	7.	11.875	70.	3.	266.783	16.334	3.	4.25	10.	35.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/18/83-10/06/92	9	10.	11.111	20.	5.	48.611	6.972	5.	5.	20.	20.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/13/87	10	129.	131.4	148.	118.	84.711	9.204	118.6	124.75	139.5	147.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/31/96	6	4.5	4.5	10.	1.	11.5	3.391	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-10/31/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-10/31/96	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/67-10/31/96	2	158.	158.	166.	150.	128.	11.314	**	**	**	**
00400	PH (STANDARD UNITS)	12/12/67-10/31/96	2	7.15	7.15	7.2	7.1	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/12/67-10/31/96	2	7.147	7.147	7.2	7.1	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/67-10/31/96	2	0.071	0.071	0.079	0.063	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/67-10/07/91	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/67-11/02/82	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/67-10/06/92	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/67-10/06/92	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	12/12/67-11/02/82	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/67-10/31/96	2	17.	17.	20.	14.	18.	4.243	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/12/67-10/06/92	2	21.	21.	24.	18.	18.	4.243	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/31/96	4	19.5	18.5	22.	13.	15.	3.873	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/67-10/31/96	2	125.5	125.5	149.	102.	1104.5	33.234	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/67-11/02/82	2	48.5	48.5	62.	35.	364.5	19.092	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/67-10/06/92	2	12.5	12.5	16.	9.	24.5	4.95	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/67-10/06/92	2	4.1	4.1	5.2	3.	2.42	1.556	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/67-10/31/96	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/13/87	2	86.	86.	103.	69.	578.	24.042	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0233

NPS Station ID: VAFO0233 LAT/LON: 40.109170/ -75.528338 Agency: 11NPSWRD Date Created: 08/15/98
Location: PICKERING CREEK NEAR PHOENIXVILLE; PA FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_USGS_PICR
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE MALVERN; PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE LIES APPROXIMATELY 3 MILES WEST OF VALLEY FORGE NATIONAL HISTORIC PARK ON PICKERING CREEK NEAR PHOENIXVILLE PENNSYLVANIA. THE CREEK DRAINS INTO THE SCHUYLKILL RIVER WHICH THEN FLOWS THROUGH THE PARK. THE DATA ARE FROM THE 1989 U.S.G.S. OPEN-FILE REPORT 85-686 "PHYSICAL; CHEMICAL; AND BIOLOGICAL; DATA FOR SELECTED STREAMS IN CHESTER COUNTY; PENNSYLVANIA; 1969-80"; BY CRAIG R. MOORE. THE REPORT WAS PREPARED TO PROVIDE A BASE-LINE OF THE EXISTING STREAM CONDITIONS. THE DATA WERE PROCESSED AND UPLOADED TO STORET BY ERIC LORD AT NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; COLORADO 80525. TEL(970) 225-3514 FAX(970) 225-9965.

Parameter Inventory for Station: VAFO0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/70-10/30/78	5	15.	13.9	17.	11.	6.55	2.559	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/05/70-10/23/74	5	30.	39.	74.	19.	481.	21.932	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/70-10/30/78	5	150.	165.8	280.	109.	4545.7	67.422	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/30/78-10/30/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/05/70-10/30/78	5	8.	7.94	8.8	7.2	0.388	0.623	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/05/70-10/30/78	5	8.	7.647	8.8	7.2	0.495	0.704	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/05/70-10/30/78	5	0.01	0.023	0.063	0.002	0.001	0.025	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/30/78-10/30/78	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	10/30/78-10/30/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	10/30/78-10/30/78	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/70-09/27/71	4	118.	118.5	134.	104.	161.	12.689	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/30/78-10/30/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/30/78	3	0.17	0.127	0.18	0.03	0.007	0.084	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/30/78	3	0.06	0.06	0.11	0.01	0.003	0.05	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/70-10/30/78	4	0.01	0.011	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/70-10/30/80	6	1.075	1.09	1.8	0.25	0.308	0.555	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/30/78-10/30/80	2	1.65	1.65	1.8	1.5	0.045	0.212	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/30/78-10/30/78	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/70-10/30/78	4	0.04	0.038	0.06	0.01	0.	0.022	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10/30/78-10/30/78	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/30/78-10/30/78	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/23/74-10/30/78	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	05/05/70-09/27/71	4	15.5	15.5	17.	14.	1.667	1.291	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	05/05/70-09/27/71	4	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	05/05/70-09/27/71	4	7.	7.25	8.	7.	0.25	0.5	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/23/74-10/30/78	2	5.7	5.7	5.8	5.6	0.02	0.141	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/74-10/30/78	2	6.75	6.75	7.	6.5	0.125	0.354	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/74-10/30/78	2	2.	2.	2.3	1.7	0.18	0.424	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	05/05/70-09/27/71	4	2.	2.	3.	1.	0.667	0.816	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/05/70-10/30/80	6	13.	13.833	20.	7.	28.167	5.307	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/05/70-10/30/80	6	16.	15.833	26.	4.	51.767	7.195	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/30/78-10/30/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/30/78-10/30/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00979	COBALT,TOTAL RECOVERABLE IN WATER AS CO UG/L	05/05/70-09/27/71	4	200.	375.	900.	200.	122500.	350.	**	**	**	**
00980	IRON,TOTAL RECOVERABLE IN WATER AS FE UG/L	05/05/70-09/27/71	4 ##	75.	100.	200.	50.	4583.333	67.7	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/78-10/30/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/78-10/30/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/05/70-09/27/71	4 ##	50.	56.25	75.	50.	156.25	12.5	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/30/78-10/30/80	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/30/78-10/30/78	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/30/78	2	190.	190.	260.	120.	9800.	98.995	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/23/74-10/30/78	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/70-09/27/71	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/30/78-10/30/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/23/74-10/30/78	2 ##	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
01074	NICKEL,TOTAL RECOVERABLE IN WATER AS NI UG/L	05/05/70-09/27/71	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/30/78-10/30/78	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	05/05/70-09/27/71	4 ##	17.5	17.5	25.	10.	75.	8.66	**	**	**	**
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	05/05/70-09/27/71	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01134	LITHIUM,TOTAL RECOVERABLE IN WATER AS LI UG/L	05/05/70-09/27/71	4 ##	25.	31.25	50.	25.	156.25	12.5	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/05/70-09/27/71	4	7750.	9130.	21000.	20.	110940933.333	10532.85	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/05/70-09/27/71	4	3.438	3.125	4.322	1.301	2.015	1.42	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1332.225								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-09/27/71	2	335.	335.	410.	260.	11250.	106.066	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-09/27/71	2	2.514	2.514	2.613	2.415	0.02	0.14	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			326.497								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/05/70-09/27/71	4	450.	850.5	2500.	2.	1302467.667	1141.257	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/05/70-09/27/71	4	2.556	2.203	3.398	0.301	1.825	1.351	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			159.549								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/30/78-10/30/78	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/30/78-10/30/78	1	128.	128.	128.	128.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/78-10/30/78	1	110.	110.	110.	110.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/03/71-10/30/78	4	0.015	0.014	0.02	0.005	0.	0.008	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/05/70-09/27/71	4	4.	4.	5.	3.	0.667	0.816	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/05/70-09/27/71	4	0.46	0.438	0.62	0.21	0.042	0.204	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0233

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	3	0	0.00				2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	3	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	4	0	0.00				2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	6	0	0.00	4	0	0.00				2	0	0.00			
		Drinking Water	250.	6	0	0.00	4	0	0.00				2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	6	0	0.00	4	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0233

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI	Fresh Acute	1400.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN	Fresh Acute	120.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	5000.	4	0	0.00	2	0	0.00				2	0	0.00			
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	4	0	0.00	2	0	0.00				2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	2	0.50	2	2	1.00				2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00	1	1	1.00				1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0234

NPS Station ID: VAFO0234 | LAT/LON: 40.060281/ -75.528892 | Agency: 11NPSWRD | Date Created: 08/28/99
Location: (01473160) VALLEY CREEK NEAR DEVAULT | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_RAS_09
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK NEAR DEVAULT; USGS STATION NUMBER 01473160. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	807.	807.	807.	807.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	292.	292.	292.	292.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.965	0.965	0.965	0.965	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.066	0.066	0.066	0.066	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0234

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0234

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0235

NPS Station ID: VAFO0235 LAT/LON: 40.060281/ -75.529060 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 987 FT DS OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_23
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 987 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE AT THE DOUBLE FOOT BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0235

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	20	12.25	11.69	16.	6.2	9.863	3.141	7.31	8.65	14.7	15.74
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	20	7.15	7.675	11.	4.9	4.288	2.071	5.4	5.725	9.925	10.58
00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	12	7.72	7.713	8.11	7.16	0.064	0.254	7.256	7.558	7.92	8.062
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/11/98-12/15/98	12	7.72	7.638	8.11	7.16	0.071	0.266	7.256	7.557	7.92	8.062
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/98-12/15/98	12	0.019	0.023	0.069	0.008	0.	0.016	0.009	0.012	0.028	0.058

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0235

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	20	0	0.00	7	0	0.00	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0236

NPS Station ID: VAFO0236 LAT/LON: 40.060253/ -75.529060 Agency: 11NPSWRD Date Created: 05/22/99
Location: SPRING FROM WETLAND DS OF RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_DEP_98_29
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT THE MOUTH OF THE WETLAND DOWNSTREAM OF THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0236

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/98-12/15/98	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/98-12/15/98	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/15/98-12/15/98	1	7.74	7.74	7.74	7.74	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/15/98-12/15/98	1	7.74	7.74	7.74	7.74	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/15/98-12/15/98	1	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0236

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0237

NPS Station ID: VAFO0237 LAT/LON: 40.106781/ -75.529476 Agency: 11NPSWRD Date Created: 09/25/99
Location: PICKERING CK ALONG RT 29 NEAR PICKERING HOUSE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_PICK
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK AT PICKERING CREEK ALONG ROUTE 29 NEAR PICKERING HOUSE. DATA ARE FROM A SERIES OF PICKERING CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN DIRECTED BY NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE ANALYZED BY THE CHESTER COUNTY HEALTH DEPARTMENT. DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0237

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/05/93-10/05/93	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/93-10/05/93	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/05/93-10/05/93	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/93-10/05/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/05/93-10/05/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/05/93-10/05/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/93-10/05/93	1	266.	266.	266.	266.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/05/93-10/09/93	25	9.5	9.14	11.	7.	1.428	1.195	7.3	8.	10.	10.7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/08/93-10/09/93	24	87.	85.917	105.	67.	124.254	11.147	69.5	77.	92.75	103.5
00406	PH, FIELD, STANDARD UNITS SU	10/05/93-10/05/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/05/93-10/05/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/93-10/05/93	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/05/93-10/05/93	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/93-10/05/93	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/05/93-10/05/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/05/93-10/05/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/05/93-10/05/93	1	385.	385.	385.	385.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/05/93-10/05/93	1	218.	218.	218.	218.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/05/93-10/05/93	1	145.	145.	145.	145.	0.	0.	**	**	**	**
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/05/93-10/05/93	1	29.	29.	29.	29.	0.	0.	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/05/93-10/05/93	1	2.52	2.52	2.52	2.52	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0237

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	25	0	0.00	25	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0238

NPS Station ID: VAFO0238
LAT/LON: 40.060253/ -75.529616
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 21 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 21 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK JUST DOWNSTREAM OF THE FOOT BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-05/09/95	1	12.1	12.1	12.1	12.1	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-05/09/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-05/09/95	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/09/95-05/09/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/09/95-05/09/95	1	7.73	7.73	7.73	7.73	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/09/95-05/09/95	1	7.73	7.73	7.73	7.73	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-05/09/95	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-05/09/95	1	246.	246.	246.	246.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/09/95-05/09/95	1	556.	556.	556.	556.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-05/09/95	1	556.	556.	556.	556.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-05/09/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-05/09/95	1	0.86	0.86	0.86	0.86	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-05/09/95	1	0.048	0.048	0.048	0.048	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-05/09/95	1	2.28	2.28	2.28	2.28	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-05/09/95	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-05/09/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-05/09/95	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-05/09/95	1	215.	215.	215.	215.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-05/09/95	1	53.5	53.5	53.5	53.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-05/09/95	1	27.9	27.9	27.9	27.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-05/09/95	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-05/09/95	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-05/09/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-05/09/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/09/95-05/09/95	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-05/09/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-05/09/95	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-05/09/95	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-05/09/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-05/09/95	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-05/09/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-05/09/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0238

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0239

NPS Station ID: VAFO0239
LAT/LON: 40.070003/ -75.529727
Agency: 112WRD
Date Created: 08/24/85
Location: WARNER QUARRY WATERFALL
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400412075314701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203034000.00
RF3 Mile Point: 0.46
Distance from RF3: 0.16
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/85-04/29/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	1	525.	525.	525.	525.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/29/85-04/29/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/29/85-04/29/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/29/85-04/29/85	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	1	37.	37.	37.	37.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	1	331.	331.	331.	331.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0239

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0240

NPS Station ID: VAFO0240
LAT/LON: 40.068615/ -75.530004
Agency: 112WRD
Date Created: 08/24/85
Location: WARNER QUARRY FLOOR
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400407075314801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203034000.00
RF3 Mile Point: 0.43
Distance from RF3: 0.23
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0240

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/85-04/29/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/29/85-04/29/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/29/85-04/29/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/29/85-04/29/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/29/85-04/29/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/85-04/29/85	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/85-04/29/85	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/85-04/29/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1	98.	98.	98.	98.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/85-04/29/85	1	211.	211.	211.	211.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0240

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0241

NPS Station ID: VAFO0241 LAT/LON: 40.060142/ -75.530226 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 630 FT DS OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_22
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 630 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE AT THE SINGLE FOOT BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	21	12.4	11.971	16.	6.5	9.82	3.134	7.42	9.35	14.95	15.88
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	23	6.5	7.165	11.	4.5	4.438	2.107	4.74	5.2	9.2	10.24
00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	12	7.68	7.658	8.03	7.11	0.059	0.243	7.209	7.515	7.835	7.994
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/11/98-12/15/98	12	7.68	7.588	8.03	7.11	0.064	0.254	7.209	7.515	7.835	7.994
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/98-12/15/98	12	0.021	0.026	0.078	0.009	0.	0.018	0.01	0.015	0.031	0.065

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0241

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	0	0.00	10	0	0.00	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0242

NPS Station ID: VAFO0242
LAT/LON: 40.058755/ -75.530337
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 20 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 20 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0242

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	1	458.	458.	458.	458.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	1	458.	458.	458.	458.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	1.14	1.14	1.14	1.14	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	1.59	1.59	1.59	1.59	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	1	62.7	62.7	62.7	62.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	1	41.9	41.9	41.9	41.9	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	1	62.2	62.2	62.2	62.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	1	554.	554.	554.	554.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0242

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	1	206.	206.	206.	206.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	1	41.	41.	41.	41.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0242

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0243

NPS Station ID: VAFO0243
LAT/LON: 40.059837/ -75.530392
Agency: 11NPSWRD
Date Created: 10/05/99
Location: VALLEY CREEK AT TOWNSHIP PARK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_VAL5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK AT TOWNSHIP PARK. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0243

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/90-11/29/93	11	15.8	13.727	19.	6.7	19.428	4.408	6.9	8.	17.1	18.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/90-12/27/91	10	760.5	634.3	847.	233.	62457.567	249.915	233.6	339.5	822.5	845.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/90-11/29/93	11	7.6	8.536	11.8	6.6	3.279	1.811	6.64	7.4	9.9	11.68
00403	PH, LAB, STANDARD UNITS SU	06/14/90-11/29/93	11	7.5	7.5	8.	6.7	0.126	0.355	6.82	7.3	7.6	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/90-11/29/93	11	7.5	7.344	8.	6.7	0.153	0.391	6.82	7.3	7.6	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/90-11/29/93	11	0.032	0.045	0.2	0.01	0.003	0.053	0.01	0.025	0.05	0.17
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/90-11/29/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/90-11/29/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/90-11/29/93	11	100.	90.	120.	30.	1020.	31.937	32.	60.	120.	120.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-11/29/93	4 ##	0.	0.033	0.13	0.	0.004	0.065	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/11/93-03/11/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-03/11/93	2	700.	700.	1400.	0.	980000.	989.949	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/14/90-11/29/93	10	0.85	0.94	1.7	0.4	0.163	0.403	0.42	0.675	1.325	1.67
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	06/14/90-11/29/93	16	0.1	37.538	100.	0.	2497.003	49.97	0.	0.025	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0243

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
		Drinking Water	250.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	1	0.25	2	1	0.50	1	0	0.00	1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	1	0.50	1	1	1.00	1	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	10	0	0.00	3	0	0.00	1	0	0.00	6	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	16	6	0.38	5	3	0.60	1	0	0.00	10	3	0.30			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0244

NPS Station ID: VAFO0244 LAT/LON: 40.059448/ -75.530281 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473159) VALLEY CR BELOW RT 29 AT VALLEY STORE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK BELOW ROUTE 29 AT VALLEY STORE; USGS STATION NUMBER 01473159. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	814.	814.	814.	814.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	261.	261.	261.	261.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	1.39	1.39	1.39	1.39	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.038	0.038	0.038	0.038	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/09/98-09/09/98	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/09/98-09/09/98	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/09/98-09/09/98	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/09/98-09/09/98	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/09/98-09/09/98	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/09/98-09/09/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/09/98-09/09/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/09/98-09/09/98	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/09/98-09/09/98	1	172.	172.	172.	172.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/09/98-09/09/98	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/09/98-09/09/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/09/98-09/09/98	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/09/98-09/09/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/09/98-09/09/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/09/98-09/09/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/09/98-09/09/98	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0244

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0245

NPS Station ID: VAFO0245
LAT/LON: 40.060142/ -75.530366
Agency: 11NPSWRD
Date Created: 07/03/99
Location: NORTH SPRING AT TOWNSHIP PARK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI_NS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT NORTH SPRING AT TOWNSHIP PARK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0245

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	10	13.35	12.48	14.2	4.9	7.902	2.811	5.52	12.45	14.025	14.19
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	10	712.5	644.4	850.	190.	54845.822	234.192	195.9	549.75	812.5	850.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-11/15/94	8	9.15	9.125	9.6	8.6	0.119	0.345	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	18	0.4	0.456	0.8	0.2	0.041	0.204	0.2	0.2	0.6	0.8
00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	17 ##	5.	5.882	14.	5.	6.485	2.547	5.	5.	5.	11.6
00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	9	7.6	7.618	7.71	7.57	0.002	0.048	7.57	7.575	7.65	7.71
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/28/94-12/14/94	9	7.6	7.615	7.71	7.57	0.002	0.048	7.57	7.575	7.65	7.71
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/94-12/14/94	9	0.025	0.024	0.027	0.019	0.	0.003	0.019	0.022	0.027	0.027
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	288.	279.444	296.	150.	1097.791	33.133	254.4	282.	291.	296.
00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	18	604.	569.333	648.	266.	8637.176	92.936	449.6	520.	623.	642.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	17	604.	562.294	642.	260.	8919.221	94.442	428.	512.	617.	635.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	17	2.	6.471	40.	1.	99.515	9.976	1.	1.	8.	24.
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	14 ##	0.2	0.193	0.4	0.1	0.005	0.073	0.1	0.175	0.2	0.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.01	0.012	0.05	0.01	0.	0.009	0.01	0.01	0.01	0.014
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.002	0.003	0.01	0.002	0.	0.003	0.002	0.002	0.002	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18	1.52	1.444	1.8	0.44	0.117	0.342	0.692	1.383	1.63	1.782
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	18 ##	0.1	0.189	1.	0.1	0.048	0.219	0.1	0.1	0.213	0.469
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	18	0.02	0.021	0.07	0.01	0.	0.015	0.01	0.01	0.02	0.052
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	18 ##	0.5	0.689	1.9	0.5	0.158	0.397	0.5	0.5	0.65	1.36
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	330.	340.	468.	155.	4087.765	63.936	277.4	320.75	361.75	446.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	4	67.8	70.	81.5	62.9	68.62	8.284	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	18	75.95	74.428	83.3	34.6	118.339	10.878	66.64	71.15	81.225	82.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	4	36.65	36.975	40.2	34.4	5.949	2.439	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	18	40.75	40.428	51.7	21.9	33.543	5.792	35.22	38.95	42.25	47.11

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0245

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	18	107.	95.333	119.	23.	595.765	24.408	58.1	82.	111.	116.3
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	18	41.	40.389	45.	22.	22.722	4.767	38.2	40.75	42.	44.1
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	18 ##	0.1	0.317	4.	0.1	0.845	0.919	0.1	0.1	0.1	0.49
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	8 ##	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	18 ##	2.	2.222	6.	2.	0.889	0.943	2.	2.	2.	2.4
01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	10 ##	5.	10.3	45.	5.	156.011	12.49	5.	5.	11.25	41.7
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	18 ##	5.	10.111	45.	5.	95.752	9.785	5.	5.	13.	21.6
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	18	22.5	53.5	485.	5.	12118.5	110.084	5.	15.	39.5	136.7
01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	10	21.	23.4	74.	5.	419.378	20.479	5.	5.	28.75	69.7
01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	9 ##	0.5	1.167	2.	0.5	0.625	0.791	0.5	0.5	2.	2.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	18 ##	2.	1.861	7.	0.5	2.112	1.453	0.5	0.5	2.	2.5
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	18 ##	5.	6.333	29.	5.	32.	5.657	5.	5.	5.	7.4
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	10 ##	5.	5.9	14.	5.	8.1	2.846	5.	5.	5.	13.1
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	10 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	18 ##	12.5	15.278	50.	12.5	83.742	9.151	12.5	12.5	12.5	27.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	10 ##	5.	13.8	43.	5.	227.511	15.083	5.	5.	26.	42.5
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	18 ##	5.	19.	99.	5.	760.353	27.574	5.	5.	26.75	76.5
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	18	135.	161.389	393.	67.5	5144.34	71.724	67.5	135.	186.75	256.2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	10	135.	141.35	222.	67.5	1453.558	38.126	74.25	135.	150.	216.9
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	8	75.	202.5	900.	10.	89592.857	299.321	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	8 ##	10.	8.75	10.	5.	5.357	2.315	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	8 ##	10.	10.	20.	5.	21.429	4.629	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	4 ##	0.3	0.3	0.5	0.1	0.053	0.231	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	18 ##	0.1	0.117	0.3	0.1	0.003	0.051	0.1	0.1	0.1	0.21
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	18 ##	0.5	1.533	17.6	0.5	16.202	4.025	0.5	0.5	0.5	3.56

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0245

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00				5	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00	4	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	4	0	0.00				5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	250.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	5.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18	1	0.06	7	0	0.00	1	0	0.00	10	1	0.10			
		Drinking Water	5.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	10	1	0.10	4	0	0.00	1	0	0.00	5	1	0.20			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	18	2	0.11	7	0	0.00	1	0	0.00	10	2	0.20			
		Drinking Water	1300.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	15.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0245

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	5000.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	5000.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	8	0	0.00	3	0	0.00				5	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00							4	0	0.00			
		Drinking Water	2.	4	0	0.00							4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	2.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0246

NPS Station ID: VAFO0246 LAT/LON: 40.059448/ -75.530281 Agency: 11NPSWRD Date Created: 08/28/99
Location: GROUND WATER DISCHARGE TO VALLEY CR DS OF RT 29 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_RAS_08A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT THE GROUND WATER DISCHARGE TO VALLEY CREEK BELOW ROUTE 29 AT VALLEY STORE; USGS STATION NUMBER 01473159. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	12.6	12.6	12.6	12.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	859.	859.	859.	859.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	328.	328.	328.	328.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	3.02	3.02	3.02	3.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0247

NPS Station ID: VAFO0247 LAT/LON: 40.059477/ -75.530504 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 395 FT DS OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_21
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 395 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE IN THE RIFFLE UPSTREAM OF ERODED BEND TO THE LEFT. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0247

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	20	12.25	11.815	16.	6.5	9.402	3.066	7.4	8.875	14.55	15.92
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	21	6.6	7.048	11.	4.	5.195	2.279	4.26	4.95	9.4	10.24
00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	12	7.675	7.64	8.08	7.01	0.081	0.284	7.13	7.443	7.85	8.014
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/11/98-12/15/98	12	7.674	7.544	8.08	7.01	0.091	0.302	7.13	7.442	7.85	8.014
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/98-12/15/98	12	0.021	0.029	0.098	0.008	0.001	0.024	0.01	0.014	0.036	0.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0247

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	21	1	0.05	8	1	0.13	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0248

NPS Station ID: VAFO0248
LAT/LON: 40.059309/ -75.530615
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 19 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_19
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 19 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 70M DOWNSTREAM OF THE ROUTE 29 BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/96-12/30/98	3	10.5	10.567	11.4	9.8	0.643	0.802	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/14/96-05/14/96	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/96-12/30/98	2	544.	544.	600.	488.	6272.	79.196	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/96-12/30/98	3	5.	6.3	9.2	4.7	6.33	2.516	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/14/96-12/30/98	3	0.6	1.033	1.9	0.6	0.563	0.751	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/14/96-12/30/98	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/14/96-12/30/98	3	7.63	7.71	7.92	7.58	0.034	0.184	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/14/96-12/30/98	3	7.63	7.686	7.92	7.58	0.035	0.186	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/96-12/30/98	3	0.023	0.021	0.026	0.012	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/96-12/30/98	3	284.	264.	292.	216.	1744.	41.761	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/14/96-12/30/98	3	528.	505.333	550.	438.	3521.333	59.341	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/14/96-12/30/98	3	528.	505.333	550.	438.	3521.333	59.341	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/14/96-12/30/98	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/14/96-05/14/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	11/04/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	2	3.83	3.83	3.93	3.73	0.02	0.141	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/96-12/30/98	3	1.58	1.273	1.64	0.6	0.341	0.584	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/14/96-12/30/98	3	0.046	0.049	0.06	0.04	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/14/96-12/30/98	3	2.	2.177	2.55	1.98	0.105	0.323	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/96-05/14/96	1	1.09	1.09	1.09	1.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/14/96-12/30/98	3	0.03	0.027	0.03	0.02	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/96-12/30/98	3	1.8	1.767	1.8	1.7	0.003	0.058	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/14/96-12/30/98	3	318.	281.667	323.	204.	4530.333	67.308	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/14/96-12/30/98	3	59.8	59.767	59.9	59.6	0.023	0.153	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/96-12/30/98	3	40.9	37.9	42.3	30.5	41.56	6.447	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/30/98-12/30/98	1	68.1	68.1	68.1	68.1	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	1	6.29	6.29	6.29	6.29	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/96-12/30/98	3	88.	82.333	89.	70.	114.333	10.693	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/14/96-12/30/98	3	31.	30.667	31.	30.	0.333	0.577	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/96-12/30/98	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/96-12/30/98	3 ##	2.	4.	8.	2.	12.	3.464	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/96-12/30/98	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/14/96-12/30/98	3	102.	89.333	156.	10.	5449.333	73.82	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/14/96-12/30/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/14/96-12/30/98	3	37.	40.	49.	34.	63.	7.937	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/14/96-12/30/98	3 ##	25.	20.833	25.	12.5	52.083	7.217	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/96-12/30/98	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/14/96-12/30/98	3 ##	100.	89.167	100.	67.5	352.083	18.764	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-05/14/96	1	311.	311.	311.	311.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.034	0.034	0.034	0.034	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	05/14/96-05/14/96	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/14/96-05/14/96	1	60.	60.	60.	60.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	05/14/96-05/14/96	1	220.	220.	220.	220.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/14/96-12/30/98	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/14/96-12/30/98	3 ##	0.5	0.767	1.3	0.5	0.213	0.462	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0248

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	2	0	0.00				1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	250.	3	0	0.00	2	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	1300.	3	0	0.00	2	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	15.	3	0	0.00	2	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0248

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5000.	3	0	0.00	2	0	0.00				1	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	2.	3	0	0.00	2	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0249

NPS Station ID: VAFO0249
LAT/LON: 40.058976/ -75.530865
Agency: 11NPSWRD
Date Created: 08/28/99
Location: VALLEY CREEK AT RT. 29 BRIDGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_TMS_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK ABOUT 200 FEET DOWNSTREAM FROM THE ROUTE 29 BRIDGE IN EAST WHITELAND PARK AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/90-06/07/90	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/07/90-08/31/90	18	1.45	2.511	11.8	0.4	9.94	3.153	0.67	1.15	2.05	10.36

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0249

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	18	0	0.00							18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0250

NPS Station ID: VAFO0250
LAT/LON: 40.058865/ -75.530920
Agency: 11NPSWRD
Date Created: 07/03/99
Location: SOUTH SPRING AT TOWNSHIP PARK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI_SS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT SOUTH SPRING AT TOWNSHIP PARK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-06/24/93	3	0.2	0.267	0.4	0.2	0.013	0.115	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/29/93-06/24/93	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	3	246.	245.333	246.	244.	1.333	1.155	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/29/93-06/24/93	3	486.	483.333	488.	476.	41.333	6.429	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-05/25/93	2	476.5	476.5	481.	472.	40.5	6.364	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-05/25/93	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-06/24/93	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-06/24/93	3	0.03	0.023	0.03	0.01	0.	0.012	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	3	0.014	0.015	0.02	0.012	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	3	2.77	2.76	2.89	2.62	0.018	0.135	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-06/24/93	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-06/24/93	3 ##	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-06/24/93	3	1.4	1.4	1.5	1.3	0.01	0.1	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	3	289.	278.	292.	253.	471.	21.703	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-06/24/93	3	59.2	58.267	59.9	55.7	5.063	2.25	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-06/24/93	3	34.7	36.767	42.	33.6	20.843	4.565	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-06/24/93	3	80.	79.	82.	75.	13.	3.606	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-06/24/93	3	30.	30.333	31.	30.	0.333	0.577	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-06/24/93	3 ##	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-06/24/93	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-06/24/93	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-06/24/93	3	16.	23.333	41.	13.	236.333	15.373	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-06/24/93	3	19.	21.	39.	5.	292.	17.088	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-06/24/93	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-06/24/93	3 ##	5.	7.	11.	5.	12.	3.464	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-06/24/93	3 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-06/24/93	3 ##	5.	8.667	16.	5.	40.333	6.351	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-06/24/93	3	138.	162.833	283.	67.5	12072.583	109.875	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-06/24/93	3	400.	1633.333	4400.	100.	5763333.333	2400.694	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-06/24/93	3	30.	83.333	200.	20.	10233.333	101.16	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-06/24/93	3	10.	31.667	80.	5.	1758.333	41.932	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-06/24/93	3 ##	0.1	0.233	0.5	0.1	0.053	0.231	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-06/24/93	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0250

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00							3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00							3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							3	0	0.00			
		Drinking Water	250.	3	0	0.00							3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00							3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00							3	0	0.00			
		Drinking Water	5.	3	0	0.00							3	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33							3	1	0.33			
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00							3	0	0.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	0	0.00							3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	3	0	0.00							3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00							3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0251

NPS Station ID: VAFO0251
LAT/LON: 40.058865/ -75.530892
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 3 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 100 YARDS DOWNSTREAM FROM ROUTE 29 IN VALLEY CREEK TOWNSHIP PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	414.	414.	414.	414.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	2.42	2.42	2.42	2.42	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	35.	35.	35.	35.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	4600.	4600.	4600.	4600.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0251

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0252

NPS Station ID: VAFO0252
LAT/LON: 40.058976/ -75.530781
Agency: 11NPSWRD
Date Created: 09/25/99
Location: VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_A9
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0252

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/12/84-10/12/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/12/84-10/12/84	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/12/84-10/12/84	1	300.	300.	300.	300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0253

NPS Station ID: VAFO0253 LAT/LON: 40.058948/ -75.530892 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 100 FT DOWNSTREAM OF ROUTE 29 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_20
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 100 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0253

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/15/98	23	12.3	11.857	15.8	6.5	7.733	2.781	7.34	10.3	14.	15.48
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/98-12/15/98	17	5.	41.765	610.	2.	21476.191	146.548	2.	2.	9.5	142.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	25	5.9	6.608	11.1	3.7	5.485	2.342	3.92	4.55	9.1	9.88
00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/15/98	15	7.64	7.638	8.1	6.96	0.07	0.265	7.23	7.5	7.81	7.98
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/07/98-12/15/98	15	7.64	7.549	8.1	6.96	0.079	0.281	7.23	7.5	7.81	7.98
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/98-12/15/98	15	0.023	0.028	0.11	0.008	0.001	0.024	0.011	0.015	0.032	0.067

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0253

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	3	0.12	11	3	0.27	6	0	0.00	8	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	2	0	0.00	7	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0254

NPS Station ID: VAFO0254 LAT/LON: 40.058865/ -75.530892 Agency: 11NPSWRD Date Created: 07/03/99
Location: VALLEY CREEK PARK OFF PENNSYLVANIA ROUTE 29 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI85_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT VALLEY CREEK PARK OFF OF PENNSYLVANIA ROUTE 29. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED AND TO DETERMINE THE IMPACT OF THE WARNER COMPANY'S CEDAR HOLLOW QUARRY DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	2	590.	590.	600.	580.	200.	14.142	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	2	6.7	6.7	7.4	6.	0.98	0.99	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	2	7.775	7.775	7.8	7.75	0.001	0.035	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/84-11/08/84	2	7.774	7.774	7.8	7.75	0.001	0.035	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-11/08/84	2	0.017	0.017	0.018	0.016	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	2	243.	243.	246.	240.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	1	462.	462.	462.	462.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/08/84	2	456.	456.	464.	448.	128.	11.314	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/08/84	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	1.87	1.87	2.09	1.65	0.097	0.311	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.053	0.053	0.066	0.04	0.	0.018	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	2.25	2.25	2.68	1.82	0.37	0.608	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	2	0.1	0.1	0.13	0.07	0.002	0.042	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/84-11/08/84	1	244.	244.	244.	244.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	2	90.	90.	92.	88.	8.	2.828	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	1	43.	43.	43.	43.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	2	185.	185.	220.	150.	2450.	49.497	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	2	1.65	1.65	1.7	1.6	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0254

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	2	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0255

NPS Station ID: VAFO0255
LAT/LON: 40.058865/ -75.530920
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 18 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 18 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 20M-25M DOWNSTREAM OF THE ROUTE 29 BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0255

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-01/07/98	5	13.3	13.72	15.7	11.7	3.272	1.809	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/03/96-09/03/96	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-01/07/98	4	615.	630.	690.	600.	1800.	42.426	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-01/07/98	5	6.3	6.1	7.	4.8	0.82	0.906	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-01/07/98	5	0.6	0.59	0.9	0.15	0.106	0.325	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/09/95-01/07/98	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/09/95-01/07/98	5	7.63	7.636	7.75	7.55	0.007	0.082	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/09/95-01/07/98	5	7.63	7.63	7.75	7.55	0.007	0.082	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-01/07/98	5	0.023	0.023	0.028	0.018	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	5	246.	253.6	280.	236.	350.8	18.73	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/09/95-01/07/98	5	492.	507.2	552.	452.	1915.2	43.763	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-01/07/98	5	488.	503.2	550.	452.	1729.2	41.584	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-01/07/98	5	2.	4.4	10.	1.	18.3	4.278	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-07/18/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	1	3.69	3.69	3.69	3.69	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-01/07/98	5	1.1	1.184	1.64	0.77	0.179	0.423	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	5	0.046	0.05	0.072	0.036	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	5	2.25	2.284	2.72	1.94	0.079	0.282	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-09/03/96	4	1.715	1.778	2.76	0.92	0.79	0.889	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-01/07/98	5	0.03	0.032	0.05	0.02	0.	0.013	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-01/07/98	5	1.6	1.58	1.7	1.4	0.012	0.11	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	5	249.	250.4	281.	223.	722.8	26.885	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-01/07/98	5	59.8	58.1	60.7	51.8	14.115	3.757	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0255

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-01/07/98	5	36.5	34.14	37.2	27.1	18.553	4.307	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	2	54.55	54.55	59.2	49.9	43.245	6.576	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	1	5.76	5.76	5.76	5.76	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-01/07/98	5	84.	84.	93.	76.	37.5	6.124	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-01/07/98	5	31.	32.2	35.	30.	4.7	2.168	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-01/07/98	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-01/07/98	5	6.	5.4	9.	2.	10.8	3.286	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-01/07/98	5 ##	5.	16.4	49.	5.	363.8	19.074	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/09/95-01/07/98	5	50.	96.6	275.	43.	10060.3	100.301	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-01/07/98	5 ##	0.5	2.7	9.	0.5	13.575	3.684	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-01/07/98	5	35.	33.6	41.	26.	41.3	6.427	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-01/07/98	5 ##	12.5	15.	25.	12.5	31.25	5.59	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-01/07/98	5 ##	5.	15.	39.	5.	228.	15.1	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-01/07/98	5 ##	100.	275.8	957.	67.5	147400.575	383.928	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-01/07/98	3	326.	286.	352.	180.	8596.	92.715	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	3	800.	1200.	2100.	700.	610000.	781.025	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	3	580.	673.333	1100.	340.	150933.333	388.501	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	3	60.	70.	140.	10.	4300.	65.574	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-01/07/98	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-01/07/98	5 ##	0.5	0.72	1.6	0.5	0.242	0.492	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0255

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00				3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	2	0	0.00				3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	5.	5	0	0.00	2	0	0.00				3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	2	1	0.50				3	1	0.33			
		Drinking Water	1300.	5	0	0.00	2	0	0.00				3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	15.	5	0	0.00	2	0	0.00				3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00				3	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0255

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0256

NPS Station ID: VAFO0256
LAT/LON: 40.058727/ -75.530920
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 16 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_16
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 16 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK ADJACENT TO THE ROUTE 29 BRIDGE SUPPORT. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/95-09/03/96	3	12.3	12.367	12.9	11.9	0.253	0.503	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-09/03/96	3	680.	706.667	790.	650.	5433.333	73.711	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/23/95-09/03/96	3	2.	1.867	2.2	1.4	0.173	0.416	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	08/23/95-09/03/96	3 ##	0.15	0.233	0.4	0.15	0.021	0.144	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	08/23/95-09/03/96	3	10.	9.	12.	5.	13.	3.606	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/95-09/03/96	3	7.57	7.51	7.57	7.39	0.011	0.104	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/95-09/03/96	3	7.57	7.501	7.57	7.39	0.011	0.104	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/95-09/03/96	3	0.027	0.032	0.041	0.027	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/95-09/03/96	3	290.	291.333	294.	290.	5.333	2.309	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/23/95-09/03/96	3	508.	514.667	538.	498.	433.333	20.817	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/23/95-09/03/96	3	508.	509.333	528.	492.	325.333	18.037	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/23/95-09/03/96	3	6.	5.667	10.	1.	20.333	4.509	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	08/23/95-07/18/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/23/95-09/03/96	3	2.41	2.387	2.47	2.28	0.009	0.097	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/23/95-09/03/96	3	0.008	0.008	0.01	0.006	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/23/95-09/03/96	3	1.84	1.86	1.93	1.81	0.004	0.062	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/23/95-09/03/96	3	2.89	2.93	3.01	2.89	0.005	0.069	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/23/95-09/03/96	3	0.02	0.027	0.04	0.02	0.	0.012	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/23/95-09/03/96	3	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/95-09/03/96	3	276.	275.667	278.	273.	6.333	2.517	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/23/95-09/03/96	3	58.9	64.7	122.	13.2	2984.59	54.631	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/23/95-09/03/96	3	38.9	48.967	73.1	34.9	440.813	20.996	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	204.	204.	204.	204.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	08/23/95-09/03/96	3	84.	83.	85.	80.	7.	2.646	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/23/95-09/03/96	3	31.	32.	34.	31.	3.	1.732	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/23/95-09/03/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/23/95-09/03/96	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/23/95-09/03/96	3 ##	5.	19.	47.	5.	588.	24.249	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/23/95-09/03/96	3	66.	65.667	67.	64.	2.333	1.528	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/23/95-09/03/96	3	2.	3.167	7.	0.5	11.583	3.403	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/23/95-09/03/96	3	10.	7.333	12.	0.	41.333	6.429	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/23/95-09/03/96	3 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/23/95-09/03/96	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/23/95-09/03/96	3	182.	325.833	728.	67.5	124581.083	352.96	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	101.	101.	108.	94.	98.	9.899	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.89	0.89	0.89	0.89	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	3	100.	96.667	100.	90.	33.333	5.774	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	3	20.	53.333	130.	10.	4433.333	66.583	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	3 ##	10.	18.333	40.	5.	358.333	18.93	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/23/95-09/03/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/23/95-09/03/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0256

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00	1	1	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	1	0	0.00				2	1	0.50			
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0256

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0257

NPS Station ID: VAFO0257 | LAT/LON: 40.058921/ -75.530976 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 3 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_ABI76_3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 100 YARDS DOWNSTREAM OF THE ROUTE 29 BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	415.	415.	415.	415.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/01/76-03/01/76	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	192.	192.	192.	192.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	366.	366.	366.	366.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	4.08	4.08	4.08	4.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	228.	228.	228.	228.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	44.8	44.8	44.8	44.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	190.	190.	190.	190.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0257

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0258

NPS Station ID: VAFO0258 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 9 AT PIPED SPRING TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VC1_09
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT AT A PIPED SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	2	750.	750.	1000.	500.	125000.	353.553	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	2	1.35	1.35	2.2	0.5	1.445	1.202	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	2 ##	0.225	0.225	0.3	0.15	0.011	0.106	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	2	7.355	7.355	7.42	7.29	0.008	0.092	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/18/96-09/03/96	2	7.35	7.35	7.42	7.29	0.008	0.092	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/96-09/03/96	2	0.045	0.045	0.051	0.038	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	311.	311.	312.	310.	2.	1.414	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	2	551.	551.	558.	544.	98.	9.899	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	2	539.	539.	540.	538.	2.	1.414	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	2	12.	12.	18.	6.	72.	8.485	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	3.535	3.535	3.64	3.43	0.022	0.148	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	1.65	1.65	1.74	1.56	0.016	0.127	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	2	4.12	4.12	4.74	3.5	0.769	0.877	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	2 ##	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	2	2.25	2.25	2.3	2.2	0.005	0.071	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	253.	253.	269.	237.	512.	22.627	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	2	87.	87.	120.	54.	2178.	46.669	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	2	55.05	55.05	72.7	37.4	623.045	24.961	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	215.	215.	215.	215.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	2	93.5	93.5	94.	93.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	2	31.	31.	31.	31.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	2 ##	31.	31.	57.	5.	1352.	36.77	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	2 ##	4.25	4.25	8.	0.5	28.125	5.303	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	2	20.5	20.5	24.	17.	24.5	4.95	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	2 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	2 ##	19.5	19.5	34.	5.	420.5	20.506	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	2	545.	545.	955.	135.	336200.	579.828	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	130.5	130.5	139.	122.	144.5	12.021	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	2	100.	100.	100.	100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	2 ##	15.	15.	20.	10.	50.	7.071	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0258

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	2	0	0.00	1	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0258

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0259

NPS Station ID: VAFO0259 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 12 AT PIPED SPRING TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VC1_12
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 12 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT AT A PIPED SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0259

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/96-09/03/96	3	12.	12.2	12.8	11.8	0.28	0.529	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/96-09/03/96	3	510.	710.	1220.	400.	198100.	445.084	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/96-09/03/96	3	0.8	0.833	1.	0.7	0.023	0.153	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/14/96-09/03/96	3	0.3	0.35	0.6	0.15	0.053	0.229	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/14/96-09/03/96	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/14/96-09/03/96	3	7.36	7.367	7.49	7.25	0.014	0.12	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/14/96-09/03/96	3	7.36	7.356	7.49	7.25	0.015	0.121	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/96-09/03/96	3	0.044	0.044	0.056	0.032	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/96-09/03/96	3	310.	310.	314.	306.	16.	4.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/14/96-09/03/96	3	542.	543.333	564.	524.	401.333	20.033	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/14/96-09/03/96	3	542.	543.333	564.	524.	401.333	20.033	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/14/96-09/03/96	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/14/96-07/18/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/96-09/03/96	3	3.19	3.233	3.35	3.16	0.01	0.102	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/14/96-09/03/96	3 ##	0.002	0.003	0.006	0.002	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/14/96-09/03/96	3	2.04	2.017	2.07	1.94	0.005	0.068	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/96-09/03/96	3	3.52	3.66	4.06	3.4	0.124	0.352	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/14/96-09/03/96	3 ##	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/96-09/03/96	3	2.1	2.1	2.2	2.	0.01	0.1	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/14/96-09/03/96	3	264.	268.667	283.	259.	160.333	12.662	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/14/96-09/03/96	3	64.5	83.533	130.	56.1	1637.003	40.46	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/96-09/03/96	3	42.9	52.3	76.3	37.7	438.76	20.947	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0259

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	213.	213.	213.	213.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/96-09/03/96	3	90.	89.667	91.	88.	2.333	1.528	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/14/96-09/03/96	3	31.	31.	32.	30.	1.	1.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/96-09/03/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/96-09/03/96	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/96-09/03/96	3	13.	39.667	101.	5.	2837.333	53.267	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/14/96-09/03/96	3	25.	28.	35.	24.	37.	6.083	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/14/96-09/03/96	3 ##	0.5	4.667	13.	0.5	52.083	7.217	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/14/96-09/03/96	3	16.	16.	22.	10.	36.	6.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/14/96-09/03/96	3 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/96-09/03/96	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/14/96-09/03/96	3	135.	630.833	1690.	67.5	842514.583	917.886	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-09/03/96	3	145.	145.333	162.	129.	272.333	16.503	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-09/03/96	2 ##	0.6	0.6	1.2	0.	0.72	0.849	**	**	**	**
38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-09/03/96	2	2.15	2.15	2.4	1.9	0.125	0.354	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-09/03/96	2 ##	0.013	0.013	0.024	0.003	0.	0.015	**	**	**	**
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	05/14/96-09/03/96	3	100.	66.667	100.	0.	3333.333	57.735	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/14/96-09/03/96	3 ##	10.	6.667	10.	0.	33.333	5.774	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	05/14/96-09/03/96	3 ##	10.	6.667	10.	0.	33.333	5.774	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/14/96-09/03/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	1	0.073	0.073	0.073	0.073	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-09/03/96	2 ##	0.	0.	0.001	0.	0.	0.001	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/14/96-09/03/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0259

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00	1	1	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	1	0	0.00				2	1	0.50			
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00				2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0259

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	2	0	0.00	1	0	0.00				1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00				2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0260

NPS Station ID: VAFO0260
LAT/LON: 40.058642/ -75.531142
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 8 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0260

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	2	12.85	12.85	13.4	12.3	0.605	0.778	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	2	775.	775.	950.	600.	61250.	247.487	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	2	1.9	1.9	2.	1.8	0.02	0.141	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	2 ##	0.375	0.375	0.6	0.15	0.101	0.318	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	2	7.425	7.425	7.52	7.33	0.018	0.134	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/18/96-09/03/96	2	7.415	7.415	7.52	7.33	0.018	0.135	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/96-09/03/96	2	0.038	0.038	0.047	0.03	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	313.	313.	316.	310.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	2	596.	596.	616.	576.	800.	28.284	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	2	534.	534.	552.	516.	648.	25.456	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	2	62.	62.	100.	24.	2888.	53.74	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	3.635	3.635	3.73	3.54	0.018	0.134	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	0.021	0.021	0.022	0.02	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	1.79	1.79	2.	1.58	0.088	0.297	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	2	6.15	6.15	8.3	4.	9.245	3.041	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	2	0.05	0.05	0.08	0.02	0.002	0.042	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	2	2.4	2.4	2.5	2.3	0.02	0.141	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	251.	251.	273.	229.	968.	31.113	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	2	90.85	90.85	124.	57.7	2197.845	46.881	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	2	56.25	56.25	74.2	38.3	644.405	25.385	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	216.	216.	216.	216.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0260

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	2	93.	93.	94.	92.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	2	31.	31.	31.	31.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	2 ##	28.	28.	51.	5.	1058.	32.527	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	2	805.	805.	1560.	50.	1140050.	1067.731	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	2 ##	5.75	5.75	11.	0.5	55.125	7.425	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	2	27.	27.	40.	14.	338.	18.385	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	2 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	2 ##	16.5	16.5	28.	5.	264.5	16.263	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	2	1013.5	1013.5	1880.	147.	1501644.5	1225.416	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	137.5	137.5	144.	131.	84.5	9.192	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	2	750.	750.	1100.	400.	245000.	494.975	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	2	120.	120.	140.	100.	800.	28.284	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	2 ##	15.	15.	20.	10.	50.	7.071	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	2 ##	8.65	8.65	16.8	0.5	132.845	11.526	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0260

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	2	0	0.00	1	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0260

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0261

NPS Station ID: VAFO0261 LAT/LON: 40.058670/ -75.531031 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK RT 29 LFT MID PIPE 6 FT AWAY FROM WALL FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_16
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. THE SITE IS AT THE LEFT MIDDLE PIPE UNDER THE ROUTE 29 BRIDGE 6 FEET AWAY FROM THE WALL IN THE PIPE FLOW. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0261

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0261

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0262

NPS Station ID: VAFO0262 LAT/LON: 40.058670/ -75.531059 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK AT ROUTE 29 LEFTMOST UPSTREAM PIPE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_11
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. THE SITE IS THE LEFTMOST UPSTREAM PIPE UNDER THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0262

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0262

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0263

NPS Station ID: VAFO0263 LAT/LON: 40.058448/ -75.531199 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 94 FT US OF THE ROUTE 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 94 FEET UPSTREAM OF THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0263

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/15/98	21	12.3	11.971	16.8	6.1	12.091	3.477	6.32	9.6	15.2	16.38
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/07/98-12/15/98	16	2.	4.7	28.	0.6	45.548	6.749	0.67	1.	6.75	14.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	625.	625.	625.	625.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	23	7.3	7.543	11.6	3.7	8.229	2.869	3.8	4.9	10.5	11.38
00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/15/98	13	7.74	7.814	8.58	7.06	0.166	0.408	7.22	7.53	8.135	8.48
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/07/98-12/15/98	13	7.74	7.649	8.58	7.06	0.196	0.442	7.22	7.53	8.135	8.48
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/98-12/15/98	13	0.018	0.022	0.087	0.003	0.	0.022	0.003	0.007	0.03	0.066

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0263

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	3	0.13	10	3	0.30	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0264

NPS Station ID: VAFO0264 LAT/LON: 40.058670/ -75.531031 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK RT 29 LFT MIDDLE PIPE 8 INCHES AWAY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_15
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. THE SITE IS AT THE LEFT MIDDLE PIPE UNDER THE ROUTE 29 BRIDGE 8 INCHES AWAY FROM THE WALL IN THE PLUNGE AREA. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0264

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0264

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0265

NPS Station ID: VAFO0265 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 10 AT PIPED SPRING TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VC1_10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 10 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT AT A PIPED SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/96-01/07/98	4	12.05	12.275	13.4	11.6	0.623	0.789	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/14/96-01/07/98	4	500.	652.5	1310.	300.	207691.667	455.732	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/96-01/07/98	4	0.95	0.95	1.3	0.6	0.163	0.404	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/14/96-01/07/98	5	0.8	0.65	0.9	0.15	0.09	0.3	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/14/96-01/07/98	5 ##	5.	8.	13.	5.	17.	4.123	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/14/96-01/07/98	4	7.33	7.383	7.59	7.28	0.02	0.142	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/14/96-01/07/98	4	7.329	7.367	7.59	7.28	0.021	0.144	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/96-01/07/98	4	0.047	0.043	0.052	0.026	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/14/96-01/07/98	5	312.	312.8	318.	308.	17.2	4.147	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/14/96-01/07/98	5	538.	530.	604.	454.	2946.	54.277	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/14/96-01/07/98	5	538.	526.4	596.	454.	2764.8	52.581	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/14/96-01/07/98	5 ##	1.	4.2	10.	1.	19.7	4.438	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/14/96-11/07/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	1	8.41	8.41	8.41	8.41	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/14/96-01/07/98	5	3.79	3.994	5.07	3.33	0.432	0.657	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/14/96-01/07/98	5 ##	0.002	0.003	0.005	0.002	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/14/96-01/07/98	5	1.83	1.738	1.87	1.41	0.038	0.195	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/14/96-11/07/96	4	5.345	5.898	8.8	4.1	4.903	2.214	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/14/96-01/07/98	5 ##	0.01	0.014	0.02	0.01	0.	0.005	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/96-01/07/98	5	2.2	2.34	2.8	2.1	0.078	0.279	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/14/96-01/07/98	5	234.	227.	265.	176.	1088.5	32.992	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/14/96-01/07/98	5	58.5	70.2	120.	52.2	787.095	28.055	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/14/96-01/07/98	5	41.4	39.24	74.5	4.	632.073	25.141	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	3	69.8	120.667	226.	66.2	8324.573	91.239	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	1	9.25	9.25	9.25	9.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/96-01/07/98	5	91.	88.	93.	78.	38.5	6.205	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/14/96-01/07/98	5	31.	30.6	32.	29.	1.3	1.14	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-01/07/98	2	69.	69.	74.	64.	50.	7.071	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/14/96-01/07/98	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/14/96-01/07/98	5 ##	2.	5.2	18.	2.	51.2	7.155	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/14/96-01/07/98	5 ##	5.	21.8	72.	5.	841.7	29.012	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/14/96-01/07/98	5 ##	10.	9.4	16.	5.	21.3	4.615	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/14/96-01/07/98	5 ##	0.5	2.4	10.	0.5	18.05	4.249	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/14/96-01/07/98	5	20.	19.2	28.	10.	53.2	7.294	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/14/96-01/07/98	5 ##	12.5	15.	25.	12.5	31.25	5.59	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/14/96-01/07/98	5	37.	26.4	48.	5.	401.8	20.045	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/14/96-01/07/98	5	135.	383.1	1290.	67.5	266845.55	516.571	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-01/07/98	5	124.	112.2	165.	15.	3254.7	57.05	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1	0.046	0.046	0.046	0.046	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-09/03/96	2	1.2	1.2	1.4	1.	0.08	0.283	**	**	**	**
38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	1	0.031	0.031	0.031	0.031	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-09/03/96	2	2.25	2.25	2.4	2.1	0.045	0.212	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-09/03/96	2 ##	0.012	0.012	0.021	0.003	0.	0.013	**	**	**	**
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	05/14/96-09/03/96	3	100.	66.667	100.	0.	3333.333	57.735	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	05/14/96-09/03/96	3 ##	10.	6.667	10.	0.	33.333	5.774	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	05/14/96-11/07/96	4 ##	7.5	6.25	10.	0.	22.917	4.787	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/14/96-01/07/98	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	1	0.076	0.076	0.076	0.076	0.	0.	**	**	**	**
78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	1	0.088	0.088	0.088	0.088	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-09/03/96	2	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/14/96-01/07/98	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0265

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	3	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	3	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	5.	5	0	0.00	3	0	0.00				2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	3	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	3	1	0.33				2	1	0.50			
		Drinking Water	1300.	5	0	0.00	3	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0265

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	15.	5	0	0.00	3	0	0.00				2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	100.	5	0	0.00	3	0	0.00				2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00				2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	2	0	0.00	1	0	0.00				1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	4	0	0.00	2	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	2.	5	0	0.00	3	0	0.00				2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	3	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0266

NPS Station ID: VAFO0266 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 11 AT PIPED SPRING TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VC1_11
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 11 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT AT A PIPED SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	2	12.95	12.95	13.6	12.3	0.845	0.919	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	2	840.	840.	1310.	370.	441800.	664.68	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	2	0.95	0.95	1.3	0.6	0.245	0.495	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	2 ##	0.375	0.375	0.6	0.15	0.101	0.318	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	2	7.305	7.305	7.32	7.29	0.	0.021	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/18/96-09/03/96	2	7.305	7.305	7.32	7.29	0.	0.021	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/96-09/03/96	2	0.05	0.05	0.051	0.048	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	311.	311.	312.	310.	2.	1.414	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	2	536.	536.	548.	524.	288.	16.971	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	2	540.	540.	548.	532.	128.	11.314	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	2 ##	5.5	5.5	10.	1.	40.5	6.364	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	3.475	3.475	3.49	3.46	0.	0.021	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	1.91	1.91	2.02	1.8	0.024	0.156	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	2	3.915	3.915	4.33	3.5	0.344	0.587	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	2 ##	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	2	2.25	2.25	2.3	2.2	0.005	0.071	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	256.5	256.5	274.	239.	612.5	24.749	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	2	93.15	93.15	124.	62.3	1903.445	43.628	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	2	58.	58.	74.7	41.3	557.78	23.617	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	218.	218.	218.	218.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	2	91.5	91.5	92.	91.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	2	32.	32.	32.	32.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	2 ##	144.	144.	283.	5.	38642.	196.576	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	2 ##	25.5	25.5	46.	5.	840.5	28.991	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	2 ##	15.75	15.75	31.	0.5	465.125	21.567	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	2	15.5	15.5	16.	15.	0.5	0.707	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	2 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	2 ##	15.5	15.5	26.	5.	220.5	14.849	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	2	1952.5	1952.5	3770.	135.	6606612.5	2570.333	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	126.	126.	126.	126.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1	0.081	0.081	0.081	0.081	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	2	100.	100.	100.	100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0266

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	2	1	0.50	1	0	0.00				1	1	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0266

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0267

NPS Station ID: VAFO0267
LAT/LON: 40.058781/ -75.531031
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 17 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 17 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK ADJACENT TO THE ROUTE 29 BRIDGE SUPPORT. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0267

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-09/03/96	4	11.95	12.025	12.5	11.7	0.156	0.395	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-09/03/96	3	650.	680.	790.	600.	9700.	98.489	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-09/03/96	4	1.1	1.2	1.6	1.	0.073	0.271	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-09/03/96	4 ##	0.225	0.3	0.6	0.15	0.045	0.212	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/09/95-09/03/96	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/09/95-09/03/96	4	7.38	7.388	7.57	7.22	0.026	0.161	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/09/95-09/03/96	4	7.371	7.366	7.57	7.22	0.027	0.163	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-09/03/96	4	0.043	0.043	0.06	0.027	0.	0.015	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-09/03/96	4	281.	260.5	286.	194.	1977.	44.463	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/09/95-09/03/96	4	556.	548.	584.	496.	1418.667	37.665	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-09/03/96	4	556.	545.	574.	494.	1270.667	35.646	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-09/03/96	4 ##	1.5	3.5	10.	1.	19.	4.359	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-07/18/96	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-09/03/96	4	1.11	1.128	1.25	1.04	0.009	0.094	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-09/03/96	4	0.014	0.014	0.018	0.008	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-09/03/96	4	2.56	2.583	2.89	2.32	0.057	0.239	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-09/03/96	4	1.455	1.775	2.81	1.38	0.477	0.691	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-09/03/96	4	0.02	0.023	0.04	0.01	0.	0.013	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-09/03/96	4	1.4	1.375	1.4	1.3	0.002	0.05	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-09/03/96	4	300.5	289.5	308.	249.	745.667	27.307	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-09/03/96	4	68.4	84.725	144.	58.1	1585.203	39.815	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-09/03/96	4	39.3	47.1	78.5	31.3	455.953	21.353	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	170.	170.	170.	170.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0267

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-09/03/96	4	80.	80.	86.	74.	40.667	6.377	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-09/03/96	4	36.	35.75	37.	34.	1.583	1.258	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-09/03/96	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-09/03/96	4 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-09/03/96	4 ##	5.	25.	85.	5.	1600.	40.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/09/95-09/03/96	4 ##	14.	18.5	41.	5.	297.	17.234	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-09/03/96	4 ##	1.25	3.5	11.	0.5	25.5	5.05	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-09/03/96	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-09/03/96	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-09/03/96	4 ##	5.	8.75	20.	5.	56.25	7.5	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-09/03/96	4 ##	101.25	417.5	1400.	67.5	430037.5	655.772	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	112.5	112.5	124.	101.	264.5	16.263	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	3	100.	110.	200.	30.	7300.	85.44	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	3 ##	10.	8.333	10.	5.	8.333	2.887	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-09/03/96	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-09/03/96	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0267

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00	1	1	1.00				3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	1	0	0.00				3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00				3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	1	0.25	1	0	0.00				3	1	0.33			
		Drinking Water	1300.	4	0	0.00	1	0	0.00				3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00				3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00				3	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	1	0	0.00				3	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0267

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0268

NPS Station ID: VAFO0268
LAT/LON: 40.058698/ -75.531059
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 15 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_15
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 15 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT ON VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0268

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-01/07/98	4	13.35	13.425	16.	11.	7.856	2.803	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/18/96-07/18/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-01/07/98	4	600.	700.	1000.	600.	40000.	200.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-01/07/98	4	5.95	6.25	7.3	5.8	0.51	0.714	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-01/07/98	4	0.85	0.85	1.1	0.6	0.043	0.208	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/18/96-01/07/98	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/18/96-01/07/98	4	7.62	7.63	7.72	7.56	0.007	0.082	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/18/96-01/07/98	4	7.616	7.624	7.72	7.56	0.007	0.083	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/96-01/07/98	4	0.024	0.024	0.028	0.019	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-01/07/98	4	254.	250.	272.	220.	602.667	24.549	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/18/96-01/07/98	4	488.	494.	552.	448.	1946.667	44.121	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-01/07/98	4	488.	493.5	552.	446.	2009.	44.822	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-01/07/98	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	2	3.805	3.805	3.81	3.8	0.	0.007	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-01/07/98	4	1.19	1.173	1.71	0.6	0.372	0.61	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-01/07/98	4	0.041	0.044	0.064	0.03	0.	0.017	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-01/07/98	4	2.385	2.415	2.72	2.17	0.077	0.277	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	2	0.925	0.925	0.93	0.92	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-01/07/98	4	0.03	0.03	0.04	0.02	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-01/07/98	4	1.65	1.6	1.7	1.4	0.02	0.141	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-01/07/98	4	239.5	239.75	254.	226.	204.25	14.292	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-01/07/98	4	58.	59.	62.6	57.4	6.007	2.451	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0268

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-01/07/98	4	35.1	35.225	39.8	30.9	15.149	3.892	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	3	59.9	58.733	63.2	53.1	26.523	5.15	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	2	5.755	5.755	5.78	5.73	0.001	0.035	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-01/07/98	4	83.	82.	87.	75.	26.	5.099	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-01/07/98	4	30.	30.	31.	29.	0.667	0.816	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	2	56.5	56.5	57.	56.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-01/07/98	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-01/07/98	4	7.	6.5	10.	2.	13.667	3.697	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-01/07/98	4 ##	11.	26.	77.	5.	1188.	34.467	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/18/96-01/07/98	4	56.5	107.	276.	39.	12810.	113.181	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-01/07/98	4 ##	1.25	3.75	12.	0.5	30.75	5.545	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-01/07/98	4	43.5	42.5	49.	34.	47.	6.856	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-01/07/98	4 ##	18.75	18.75	25.	12.5	52.083	7.217	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-01/07/98	4 ##	15.	18.25	38.	5.	262.25	16.194	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-01/07/98	4 ##	126.5	418.25	1320.	100.	362025.583	601.686	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-01/07/98	4	280.	278.25	362.	191.	8333.583	91.288	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	0.87	0.87	0.87	0.87	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	2	1300.	1300.	1400.	1200.	20000.	141.421	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	2	875.	875.	1100.	650.	101250.	318.198	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	2	160.	160.	260.	60.	20000.	141.421	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-01/07/98	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-01/07/98	4 ##	0.5	0.9	2.1	0.5	0.64	0.8	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0268

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	3	0	0.00				1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	3	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	3	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	3	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	3	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	250.	4	0	0.00	3	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	3	0	0.00				1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5.	4	0	0.00	3	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	1	0.25	3	0	0.00				1	1	1.00			
		Drinking Water	1300.	4	0	0.00	3	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	15.	4	0	0.00	3	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5000.	4	0	0.00	3	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0268

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	1	0.50	1	0	0.00				1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	2.	4	0	0.00	3	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	3	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0269

NPS Station ID: VAFO0269
LAT/LON: 40.149170/ -75.531116
Agency: 11NPSWRD
Date Created: 04/17/99
Location: STATION 378 AT FRENCH CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_CCHD_378
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 378 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT FRENCH CREEK. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/81-03/25/97	33	12.5	11.533	22.	-4.6	55.147	7.426	1.	6.	18.2	21.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/27/81-03/25/97	25	13.9	13.66	26.5	-5.	75.478	8.688	1.2	9.55	21.	24.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/81-03/25/97	33	200.	198.333	286.	87.	2365.667	48.638	132.2	163.	245.5	260.8
00300	OXYGEN, DISSOLVED MG/L	01/27/81-03/25/97	33	11.	10.555	17.7	5.2	10.059	3.172	5.82	7.9	13.15	14.14
00335	COD, .025N K2CR2O7 MG/L	01/27/81-03/25/97	35 ##	2.5	5.986	40.	2.5	74.507	8.632	2.5	2.5	2.5	16.4
00403	PH, LAB, STANDARD UNITS SU	01/27/81-03/25/97	35	7.5	7.486	8.9	6.2	0.251	0.501	6.9	7.3	7.7	8.04
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/81-03/25/97	35	7.5	7.194	8.9	6.2	0.338	0.582	6.9	7.3	7.7	8.04
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/81-03/25/97	35	0.032	0.064	0.631	0.001	0.012	0.11	0.009	0.02	0.05	0.126
00406	PH, FIELD, STANDARD UNITS SU	08/20/90-09/24/96	12	7.47	7.538	8.65	6.45	0.272	0.522	6.633	7.4	7.715	8.455
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/20/90-09/24/96	12	7.47	7.236	8.65	6.45	0.372	0.61	6.633	7.4	7.715	8.455
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/90-09/24/96	12	0.034	0.058	0.355	0.002	0.009	0.096	0.005	0.019	0.04	0.274
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	01/27/81-03/25/97	35	50.5	55.46	190.	20.	792.777	28.156	35.4	38.5	65.	77.8
00612	AMMONIA, UNIONZED (MG/L AS N)	01/27/81-03/25/97	34	0.02	0.028	0.12	0.005	0.001	0.029	0.005	0.005	0.05	0.065
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/27/81-03/25/97	33 ##	0.005	0.013	0.06	0.005	0.	0.013	0.005	0.005	0.02	0.026
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/27/81-03/25/97	35	0.15	0.221	0.81	0.005	0.049	0.221	0.005	0.05	0.32	0.606
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/27/81-03/25/97	35	3.3	3.182	6.6	0.33	2.534	1.592	1.034	1.8	4.7	5.312
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/27/81-03/25/97	35	0.08	0.082	0.28	0.005	0.003	0.057	0.014	0.05	0.1	0.15
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/81-03/25/97	35	96.	99.	162.	50.	334.294	18.284	82.	90.	107.	119.4
00929	SODIUM, TOTAL (MG/L AS NA)	01/27/81-03/25/97	35	15.5	16.337	37.2	2.	53.382	7.306	8.	12.	20.	27.6
00937	POTASSIUM, TOTAL MG/L AS K)	01/27/81-03/25/97	35	3.7	4.279	10.	1.1	7.402	2.721	1.7	2.	5.9	9.26
00940	CHLORIDE,TOTAL IN WATER MG/L	01/27/81-03/25/97	35	18.	17.914	32.	2.	29.728	5.452	11.6	15.	21.	25.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/27/81-03/25/97	35	31.	30.657	44.	18.	36.467	6.039	22.6	27.	34.	40.2
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/81-03/25/97	35	0.06	0.072	0.24	0.02	0.002	0.041	0.04	0.05	0.08	0.124
01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/81-03/25/97	35 ##	5.	7.714	100.	5.	257.857	16.058	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/27/81-03/25/97	35	160.	401.714	2500.	50.	336220.504	579.845	60.	60.	500.	1400.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/81-03/25/97	35 ##	25.	87.429	1500.	25.	63022.605	251.043	25.	25.	25.	200.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	01/27/81-03/25/97	35 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/27/81-06/09/88	9	8800.	16025.556	81000.	430.	622379877.778	24947.543	430.	2650.	15000.	81000.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/27/81-06/09/88	9	3.944	3.822	4.908	2.633	0.453	0.673	2.633	3.317	4.175	4.908
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			6637.492								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/27/81-03/25/97	35	900.	4820.286	83000.	20.	198430291.092	14086.529	58.	250.	5000.	7680.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/27/81-03/25/97	35	2.954	2.977	4.919	1.301	0.655	0.809	1.748	2.398	3.699	3.883
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			949.483								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	35	720.	9764.014	200000.	0.51	204159731.654	34701.005	54.	200.	3300.	17280.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	35	2.857	2.886	5.301	-0.301	1.114	1.055	1.698	2.301	3.519	4.236
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			769.228								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/27/81-03/25/97	35	0.08	0.073	0.13	0.005	0.001	0.039	0.005	0.05	0.11	0.124
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	01/27/81-03/25/97	35	3.	6.201	75.	0.25	161.099	12.692	0.5	1.	5.	12.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/27/81-03/25/97	35	151.	143.086	249.	13.	1577.551	39.718	99.8	129.	163.	170.4
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/11/87-03/25/97	20	1.	1.055	2.3	0.1	0.429	0.655	0.2	0.525	1.6	1.99

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0269

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	8	0	0.00	11	0	0.00	14	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	35	1	0.03	9	0	0.00	11	0	0.00	15	1	0.07			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	12	1	0.08	4	0	0.00	4	1	0.25	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	33	0	0.00	8	0	0.00	11	0	0.00	14	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
		Drinking Water	250.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
		Drinking Water	5000.	35	0	0.00	9	0	0.00	11	0	0.00	15	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	9	8	0.89	1	0	0.00	2	2	1.00	6	6	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	35	29	0.83	9	6	0.67	11	9	0.82	15	14	0.93			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/81-03/25/97	8	11.6	11.288	18.	5.5	16.47	4.058	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/81-03/25/97	9	195.	204.333	256.	166.	925.25	30.418	166.	183.5	230.	256.
00300	OXYGEN, DISSOLVED MG/L	01/27/81-03/25/97	8	8.25	8.712	12.6	5.6	7.91	2.812	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	01/27/81-03/25/97	9 ##	2.5	6.056	18.5	2.5	38.84	6.232	2.5	2.5	10.5	18.5
00403	PH, LAB, STANDARD UNITS SU	01/27/81-03/25/97	9	7.4	7.356	8.	6.6	0.148	0.384	6.6	7.2	7.55	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/81-03/25/97	9	7.4	7.191	8.	6.6	0.178	0.422	6.6	7.2	7.55	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/81-03/25/97	9	0.04	0.064	0.251	0.01	0.005	0.073	0.01	0.03	0.065	0.251
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	01/27/81-03/25/97	9	60.	61.056	77.	44.	83.715	9.15	44.	56.25	65.75	77.
00612	AMMONIA, UNIONZED (MG/L AS N)	01/27/81-03/25/97	8 ##	0.005	0.008	0.02	0.005	0.	0.005	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/27/81-03/25/97	8 ##	0.005	0.008	0.02	0.005	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/27/81-03/25/97	9	0.09	0.171	0.51	0.005	0.031	0.176	0.005	0.02	0.32	0.51
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/27/81-03/25/97	9	2.9	3.004	5.08	0.65	1.911	1.382	0.65	2.	4.12	5.08
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/27/81-03/25/97	9	0.09	0.086	0.13	0.04	0.001	0.029	0.04	0.065	0.11	0.13
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/81-03/25/97	9	106.	105.222	125.	90.	145.194	12.05	90.	93.5	115.5	125.
00929	SODIUM, TOTAL (MG/L AS NA)	01/27/81-03/25/97	9	16.	16.278	30.	4.	63.434	7.965	4.	11.	22.	30.
00937	POTASSIUM, TOTAL MG/L AS K)	01/27/81-03/25/97	9	4.	4.978	10.	2.	7.879	2.807	2.	3.1	7.35	10.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/27/81-03/25/97	9	18.	18.333	25.	12.	16.	4.	12.	15.5	21.	25.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/27/81-03/25/97	9	29.	28.333	32.	22.	11.	3.317	22.	25.5	31.	32.
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/81-03/25/97	9	0.06	0.061	0.1	0.03	0.	0.021	0.03	0.045	0.075	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/81-03/25/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/27/81-03/25/97	9 ##	60.	473.333	2000.	60.	526900.	725.879	60.	60.	950.	2000.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/81-03/25/97	9 ##	25.	50.556	200.	25.	3471.528	58.92	25.	25.	52.5	200.
01092	ZINC, TOTAL (UG/L AS ZN)	01/27/81-03/25/97	9 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/27/81-03/25/97	9	250.	2307.778	18000.	20.	34721744.444	5892.516	20.	100.	820.	18000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/27/81-03/25/97	9	2.398	2.505	4.255	1.301	0.729	0.854	1.301	1.903	2.911	4.255
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			319.917								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	9	430.	2167.778	16000.	70.	27050994.444	5201.057	70.	165.	945.	16000.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	9	2.633	2.676	4.204	1.845	0.477	0.691	1.845	2.181	2.929	4.204
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			474.596								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/27/81-03/25/97	9	0.08	0.077	0.13	0.005	0.001	0.037	0.005	0.055	0.105	0.13
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	01/27/81-03/25/97	9	3.	3.056	5.	0.5	1.653	1.286	0.5	2.5	4.	5.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/27/81-03/25/97	9	157.	163.667	249.	117.	1272.5	35.672	117.	147.	168.5	249.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/81-03/25/97	11	5.3	4.127	18.4	-4.6	35.142	5.928	0.	0.	6.8	13.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/81-03/25/97	9	148.	165.667	251.	126.	1876.	43.313	126.	133.	202.5	251.
00300	OXYGEN, DISSOLVED MG/L	01/27/81-03/25/97	11	13.2	13.182	14.8	11.2	0.984	0.992	11.44	12.4	13.6	14.74
00335	COD, .025N K2CR2O7 MG/L	01/27/81-03/25/97	11 ##	2.5	4.5	13.	2.5	15.35	3.918	2.5	2.5	5.	12.7
00403	PH, LAB, STANDARD UNITS SU	01/27/81-03/25/97	11	7.6	7.582	8.9	6.9	0.45	0.671	6.9	6.9	8.	8.8
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/81-03/25/97	11	7.6	7.259	8.9	6.9	0.564	0.751	6.9	6.9	8.	8.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/81-03/25/97	11	0.025	0.055	0.126	0.001	0.003	0.053	0.002	0.01	0.126	0.126
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	01/27/81-03/25/97	11	38.8	53.482	190.	31.	2088.534	45.7	31.4	37.	50.	162.1
00612	AMMONIA, UNIONZED (MG/L AS N)	01/27/81-03/25/97	11	0.03	0.041	0.12	0.005	0.002	0.04	0.005	0.005	0.06	0.116
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/27/81-03/25/97	11	0.01	0.016	0.06	0.005	0.	0.016	0.005	0.01	0.02	0.052
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/27/81-03/25/97	11	0.09	0.191	0.81	0.005	0.056	0.237	0.005	0.01	0.3	0.712
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/27/81-03/25/97	11	4.23	4.089	6.6	1.7	2.179	1.476	1.906	2.8	5.2	6.42
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/27/81-03/25/97	11	0.05	0.061	0.28	0.005	0.006	0.079	0.005	0.005	0.06	0.244
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/81-03/25/97	11	92.	93.273	123.	71.	219.818	14.826	73.2	82.	98.	121.4
00929	SODIUM, TOTAL (MG/L AS NA)	01/27/81-03/25/97	11	16.	17.218	37.2	8.	62.516	7.907	8.4	12.	20.	34.16
00937	POTASSIUM, TOTAL MG/L AS K)	01/27/81-03/25/97	11	2.	3.479	9.35	1.1	6.134	2.477	1.22	1.72	4.8	8.68
00940	CHLORIDE,TOTAL IN WATER MG/L	01/27/81-03/25/97	11	20.	19.364	32.	2.	54.055	7.352	4.4	17.	22.	30.6
00945	SULFATE, TOTAL (MG/L AS SO4)	01/27/81-03/25/97	11	33.	33.455	43.	25.	28.473	5.336	25.8	29.	35.	42.8
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/81-03/25/97	11	0.05	0.064	0.13	0.02	0.001	0.032	0.024	0.04	0.08	0.126

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/81-03/25/97	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/27/81-03/25/97	11	160.	330.	1400.	60.	178900.	422.966	60.	60.	500.	1280.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/81-03/25/97	11 ##	25.	175.	1500.	25.	195875.	442.578	25.	25.	25.	1240.
01092	ZINC, TOTAL (UG/L AS ZN)	01/27/81-03/25/97	11 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/27/81-03/25/97	11	900.	2467.273	8700.	70.	10377181.818	3221.363	78.	240.	6400.	8360.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/27/81-03/25/97	11	2.954	2.954	3.94	1.845	0.505	0.711	1.884	2.38	3.806	3.921
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			900.468								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	11	600.	1961.864	13300.	0.5	15153640.205	3892.768	2.4	130.	1900.	11300.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	11	2.778	2.458	4.124	-0.301	1.515	1.231	-0.041	2.114	3.279	4.003
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			287.15								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/27/81-03/25/97	11	0.05	0.048	0.11	0.005	0.001	0.037	0.005	0.005	0.08	0.106
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	01/27/81-03/25/97	11	1.	1.936	5.	0.3	2.935	1.713	0.34	0.5	3.	5.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/27/81-03/25/97	11	147.	146.909	164.	124.	171.291	13.088	125.	136.	156.	163.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/81-03/25/97	14	17.7	17.493	22.	9.5	15.148	3.892	11.	14.675	21.	22.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/81-03/25/97	15	220.	214.333	286.	87.	2823.095	53.133	115.2	195.	250.	276.4
00300	OXYGEN, DISSOLVED MG/L	01/27/81-03/25/97	14	8.5	9.543	17.7	5.2	10.713	3.273	5.6	7.6	11.375	15.55
00335	COD, .025N K2CR2O7 MG/L	01/27/81-03/25/97	15 ##	2.5	7.033	40.	2.5	144.874	12.036	2.5	2.5	2.5	35.8
00403	PH, LAB, STANDARD UNITS SU	01/27/81-03/25/97	15	7.6	7.493	8.1	6.2	0.185	0.43	6.74	7.4	7.7	7.92
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/81-03/25/97	15	7.6	7.154	8.1	6.2	0.309	0.556	6.74	7.4	7.7	7.92
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/81-03/25/97	15	0.025	0.07	0.631	0.008	0.024	0.156	0.013	0.02	0.04	0.3
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	01/27/81-03/25/97	15	52.	53.553	93.	20.	358.571	18.936	30.8	38.5	66.	84.6
00612	AMMONIA, UNIONZED (MG/L AS N)	01/27/81-03/25/97	15	0.03	0.029	0.07	0.005	0.	0.021	0.005	0.005	0.05	0.064
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/27/81-03/25/97	14 ##	0.005	0.013	0.05	0.005	0.	0.014	0.005	0.005	0.02	0.04
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/27/81-03/25/97	15	0.18	0.273	0.68	0.005	0.055	0.235	0.005	0.09	0.56	0.65
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/27/81-03/25/97	15	2.8	2.623	5.48	0.33	2.504	1.582	0.684	1.17	3.79	5.084
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/27/81-03/25/97	15	0.08	0.095	0.21	0.02	0.002	0.049	0.026	0.07	0.11	0.192
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/81-03/25/97	15	99.	99.467	162.	50.	520.981	22.825	71.	90.	106.	135.
00929	SODIUM, TOTAL (MG/L AS NA)	01/27/81-03/25/97	15	14.4	15.727	32.	2.	47.728	6.909	5.6	12.	20.	26.3
00937	POTASSIUM, TOTAL MG/L AS K)	01/27/81-03/25/97	15	3.4	4.445	10.	1.3	8.245	2.871	1.54	2.	7.5	9.16
00940	CHLORIDE,TOTAL IN WATER MG/L	01/27/81-03/25/97	15	16.	16.6	26.	9.	20.829	4.564	10.2	12.	19.	23.6
00945	SULFATE, TOTAL (MG/L AS SO4)	01/27/81-03/25/97	15	31.	30.	44.	18.	51.857	7.201	18.	25.	35.	41.
00951	FLUORIDE, TOTAL (MG/L AS F)	01/27/81-03/25/97	15	0.07	0.085	0.24	0.04	0.003	0.053	0.04	0.05	0.11	0.18
01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/81-03/25/97	15 ##	5.	11.333	100.	5.	601.667	24.529	5.	5.	5.	43.
01045	IRON, TOTAL (UG/L AS FE)	01/27/81-03/25/97	15	200.	411.333	2500.	50.	380226.667	616.625	56.	60.	500.	1420.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/81-03/25/97	15 ##	25.	45.333	200.	25.	2362.381	48.604	25.	25.	25.	140.
01092	ZINC, TOTAL (UG/L AS ZN)	01/27/81-03/25/97	15 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/27/81-03/25/97	15	2400.	8053.333	83000.	40.	435041252.381	20857.643	190.	630.	5700.	37040.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/27/81-03/25/97	15	3.38	3.278	4.919	1.602	0.573	0.757	2.118	2.799	3.756	4.251
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1896.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	15	2300.	20043.333	200000.	30.	2699970438.095	51961.24	78.	620.	6400.	114800.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/27/81-03/25/97	15	3.362	3.326	5.301	1.477	0.971	0.985	1.816	2.792	3.806	4.978
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2116.997								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/27/81-03/25/97	15	0.1	0.09	0.13	0.03	0.001	0.033	0.036	0.06	0.12	0.13
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	01/27/81-03/25/97	15	8.	11.217	75.	0.25	340.597	18.455	0.4	1.	11.	40.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/27/81-03/25/97	15	140.	127.933	189.	13.	2451.924	49.517	31.6	111.	169.	177.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0270

NPS Station ID: VAFO0270 LAT/LON: 40.058670/ -75.531059 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK RT 29 LEFTMOST US PIPE 8 INCHES AWAY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_12
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. THE SITE IS THE LEFTMOST UPSTREAM PIPE UNDER THE ROUTE 29 BRIDGE 8 INCHES AWAY FROM THE WALL IN THE PLUNGE AREA. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0270

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0270

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0271

NPS Station ID: VAFO0271 LAT/LON: 40.058727/ -75.531116 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 30 FT DS OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_19
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 30 FEET DOWNSTREAM OF THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0271

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/15/98	20	12.05	11.765	15.9	6.2	8.198	2.863	7.52	9.35	14.375	15.64
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/15/98	22	6.	6.741	11.2	3.7	6.778	2.603	3.93	4.4	9.4	10.37
00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/15/98	12	7.6	7.617	8.22	6.78	0.13	0.36	6.957	7.453	7.89	8.127
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/07/98-12/15/98	12	7.598	7.453	8.22	6.78	0.159	0.398	6.957	7.453	7.89	8.127
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/98-12/15/98	12	0.025	0.035	0.166	0.006	0.002	0.043	0.008	0.013	0.035	0.129

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0271

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	22	3	0.14	10	3	0.30	6	0	0.00	6	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	5	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	5	0	0.00	2	0	0.00	5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0272

NPS Station ID: VAFO0272 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 1 FT DS OF RT 29 BOX CULVERT FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_18
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 1 FOOT DOWNSTREAM OF THE BOX CULVERT UNDER THE ROUTE 29 BRIDGE . DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0272

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/98-12/15/98	21	12.5	12.129	16.3	6.2	9.436	3.072	7.38	9.65	14.9	15.84
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/15/98-12/15/98	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/21/98-12/15/98	23	6.2	6.461	11.4	3.	8.918	2.986	3.14	3.8	10.	10.72
00406	PH, FIELD, STANDARD UNITS SU	02/11/98-12/15/98	12	7.665	7.687	8.43	7.09	0.133	0.364	7.153	7.443	7.978	8.304
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/11/98-12/15/98	12	7.664	7.561	8.43	7.09	0.15	0.387	7.153	7.443	7.978	8.304
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/11/98-12/15/98	12	0.022	0.027	0.081	0.004	0.	0.022	0.006	0.011	0.036	0.072

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0272

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	23	9	0.39	10	9	0.90	6	0	0.00	7	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0273

NPS Station ID: VAFO0273 LAT/LON: 40.058670/ -75.531059 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK AT RT 29 LEFTMOST US PIPE 6 FT AWAY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_13
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. THE SITE IS AT THE LEFTMOST UPSTREAM PIPE UNDER THE ROUTE 29 BRIDGE 6 FEET AWAY FROM THE WALL IN THE PIPE FLOW. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0273

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0273

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0274

NPS Station ID: VAFO0274 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 14 AT PIPED SPRING TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VC1_14
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 14 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT AT A PIPED SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0274

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-09/03/96	2	12.15	12.15	12.8	11.5	0.845	0.919	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-09/03/96	2	840.	840.	1180.	500.	231200.	480.833	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-09/03/96	2	1.25	1.25	1.7	0.8	0.405	0.636	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-09/03/96	2 ##	0.375	0.375	0.6	0.15	0.101	0.318	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/18/96-09/03/96	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/18/96-09/03/96	2	7.225	7.225	7.27	7.18	0.004	0.064	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/18/96-09/03/96	2	7.223	7.223	7.27	7.18	0.004	0.064	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/96-09/03/96	2	0.06	0.06	0.066	0.054	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	302.	302.	302.	302.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/18/96-09/03/96	2	561.	561.	604.	518.	3698.	60.811	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-09/03/96	2	561.	561.	604.	518.	3698.	60.811	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-09/03/96	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-09/03/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	2.75	2.75	2.8	2.7	0.005	0.071	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2 ##	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-09/03/96	2	2.055	2.055	2.13	1.98	0.011	0.106	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	2	3.485	3.485	3.49	3.48	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-09/03/96	2 ##	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-09/03/96	2	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-09/03/96	2	280.	280.	284.	276.	32.	5.657	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-09/03/96	2	91.6	91.6	123.	60.2	1971.92	44.406	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-09/03/96	2	55.7	55.7	72.	39.4	531.38	23.052	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-09/03/96	1	195.	195.	195.	195.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0274

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-09/03/96	2	85.5	85.5	86.	85.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-09/03/96	2	31.	31.	31.	31.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-09/03/96	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-09/03/96	2 ##	30.5	30.5	56.	5.	1300.5	36.062	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/18/96-09/03/96	2	18.5	18.5	23.	14.	40.5	6.364	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-09/03/96	2	5.	5.	9.	1.	32.	5.657	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-09/03/96	2 ##	9.5	9.5	14.	5.	40.5	6.364	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-09/03/96	2 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-09/03/96	2 ##	11.	11.	17.	5.	72.	8.485	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-09/03/96	2	498.5	498.5	862.	135.	264264.5	514.067	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	115.5	115.5	121.	110.	60.5	7.778	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	2	100.	100.	100.	100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-09/03/96	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-09/03/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0274

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	15.	2	0	0.00	1	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0274

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0275

NPS Station ID: VAFO0275 LAT/LON: 40.058698/ -75.531059 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 13 AT PIPED SPRING TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_VC1_13
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 13 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK INSIDE THE ROUTE 29 BOX CULVERT AT A PIPED SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/96-12/30/98	4	11.8	12.025	12.8	11.7	0.269	0.519	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/96-12/30/98	3	550.	733.333	1250.	400.	205833.333	453.689	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/18/96-12/30/98	4	0.5	0.6	1.	0.4	0.073	0.271	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	07/18/96-12/30/98	4	0.4	0.488	1.	0.15	0.137	0.371	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/18/96-12/30/98	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/18/96-12/30/98	4	7.305	7.305	7.35	7.26	0.002	0.047	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/18/96-12/30/98	4	7.304	7.303	7.35	7.26	0.002	0.047	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/96-12/30/98	4	0.05	0.05	0.055	0.045	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/96-12/30/98	4	306.	305.	308.	300.	14.667	3.83	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/18/96-12/30/98	4	514.	525.5	584.	490.	1971.667	44.403	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/18/96-12/30/98	4	514.	523.	580.	484.	1966.667	44.347	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/18/96-12/30/98	4 ##	1.	1.75	4.	1.	2.25	1.5	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/18/96-07/18/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-12/30/98	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	2	5.845	5.845	6.48	5.21	0.806	0.898	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/18/96-12/30/98	4	3.025	3.125	3.53	2.92	0.076	0.275	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/18/96-12/30/98	4 ##	0.005	0.004	0.005	0.002	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/96-12/30/98	4	1.94	1.958	2.11	1.84	0.013	0.112	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/18/96-09/03/96	2	3.33	3.33	3.66	3.	0.218	0.467	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/96-12/30/98	4	0.02	0.02	0.03	0.01	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/18/96-12/30/98	4	2.	2.	2.1	1.9	0.007	0.082	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/96-12/30/98	4	300.5	298.5	320.	273.	513.667	22.664	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/96-12/30/98	4	59.95	73.9	122.	53.7	1037.033	32.203	**	**	**	**

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Parameter Inventory for Station: VAFO0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/96-12/30/98	4	40.85	47.55	72.5	36.	282.27	16.801	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-12/30/98	2	128.65	128.65	197.	60.3	9343.445	96.661	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	1	7.87	7.87	7.87	7.87	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/96-12/30/98	4	80.	79.25	88.	69.	93.583	9.674	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/96-12/30/98	4	30.	29.75	31.	28.	2.25	1.5	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/18/96-12/30/98	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/18/96-12/30/98	4 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/18/96-12/30/98	4 ##	5.	17.	53.	5.	576.	24.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/18/96-12/30/98	4 ##	10.	12.75	26.	5.	83.583	9.142	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/18/96-12/30/98	4 ##	0.75	2.75	9.	0.5	17.417	4.173	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/96-12/30/98	4	19.	36.25	102.	5.	1975.583	44.448	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/18/96-12/30/98	4 ##	18.75	18.75	25.	12.5	52.083	7.217	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/18/96-12/30/98	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/18/96-12/30/98	4 ##	117.5	331.5	991.	100.	193579.	439.976	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/18/96-09/03/96	2	127.	127.	137.	117.	200.	14.142	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/03/96-09/03/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	07/18/96-09/03/96	2	100.	100.	100.	100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/18/96-09/03/96	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/18/96-09/03/96	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/18/96-12/30/98	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/03/96-09/03/96	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/18/96-12/30/98	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0275

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00	3	3	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	3	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	3	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	3	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	3	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	250.	4	0	0.00	3	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	3	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5.	4	0	0.00	3	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	1	0.25	3	0	0.00				1	1	1.00			
		Drinking Water	1300.	4	0	0.00	3	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	15.	4	0	0.00	3	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5000.	4	0	0.00	3	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0275

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	2.	4	0	0.00	3	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	3	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0276

NPS Station ID: VAFO0276
LAT/LON: 40.058615/ -75.531116
Agency: 21PA
Date Created: 06/27/92
Location: VALLEY CREEK AT PA RT 29 BRIDGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/FISH/STREAM/BIO
STORET Station ID(s): WQF00991-007.1 /PFBC6-078
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203007104.22
RF3 Mile Point: 4.31
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39515	PCBS (MG/KG) FISH TISSUE MG/KG	03/12/82-03/12/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/12/82-03/12/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0277

NPS Station ID: VAFO0277 LAT/LON: 40.058670/ -75.531031 Agency: 11NPSWRD Date Created: 05/22/99
Location: LEFT MIDDLE PIPE AT VALLEY CK AT RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_14
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. THE SITE IS THE LEFT MIDDLE PIPE AT THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0277

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/02/98-12/02/98	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0277

			Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0278

NPS Station ID: VAFO0278 LAT/LON: 40.058569/ -75.531181 Agency: 11NPSWRD Date Created: 04/17/99
Location: STATION 431 AT VALLEY CREEK AT MOREHALL RD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_431
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 431 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF VALLEY CREEK AND MOREHALL ROAD. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-11/20/97	38	11.	11.426	22.8	0.	24.646	4.964	5.84	7.675	15.	17.64
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-11/20/97	28	13.65	13.607	32.	-8.	96.668	9.832	1.9	-4.85	22.2	27.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-11/20/97	39	540.	550.026	778.	400.	11139.447	105.544	420.	469.	630.	700.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/26/82-08/05/85	10	751.	695.	810.	385.	17354.667	131.737	404.	622.25	782.75	807.8
00300	OXYGEN, DISSOLVED MG/L	06/18/81-11/20/97	37	9.6	10.011	19.8	2.8	11.395	3.376	6.36	7.65	12.	14.52
00335	COD, .025N K2CR2O7 MG/L	02/23/71-03/17/97	40 ##	2.5	8.535	120.	2.5	454.618	21.322	2.5	2.5	2.5	22.99
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	39	7.9	7.879	8.8	7.1	0.134	0.366	7.5	7.6	8.	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	39	7.9	7.752	8.8	7.1	0.15	0.388	7.5	7.6	8.	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	39	0.013	0.018	0.079	0.002	0.	0.014	0.003	0.01	0.025	0.032
00406	PH, FIELD, STANDARD UNITS SU	08/14/90-11/20/97	15	7.84	7.808	8.6	7.02	0.217	0.465	7.044	7.47	8.05	8.534
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/90-11/20/97	15	7.84	7.582	8.6	7.02	0.271	0.521	7.044	7.47	8.05	8.534
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/90-11/20/97	15	0.014	0.026	0.095	0.003	0.001	0.029	0.003	0.009	0.034	0.09
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	39	197.	199.872	352.	19.	3060.746	55.324	162.	181.	226.	250.
00612	AMMONIA, UNIONZED (MG/L AS N)	02/23/71-03/17/97	39	0.31	0.46	1.23	0.005	0.147	0.383	0.03	0.15	0.75	1.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	35	0.02	0.024	0.07	0.005	0.	0.02	0.005	0.01	0.04	0.054
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	39	0.42	0.542	2.4	0.005	0.226	0.475	0.04	0.2	0.82	1.23
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/23/71-03/17/97	40	2.32	2.763	15.76	0.03	6.039	2.457	1.76	1.848	2.7	3.376
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/23/71-03/17/97	40	0.03	0.036	0.12	0.005	0.001	0.028	0.005	0.013	0.05	0.08
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	39	244.	240.821	313.	134.	1355.362	36.815	188.	223.	268.	280.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	39	58.	56.273	112.	20.	428.512	20.701	30.25	38.	68.	80.
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	39	4.	5.756	18.	0.2	17.978	4.24	2.7	3.4	6.	15.
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/71-03/17/97	40	62.	64.75	110.	8.	554.346	23.545	36.3	46.25	86.75	91.7
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	39	41.	39.923	52.	17.	59.968	7.744	29.	34.	45.	50.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	39	0.07	0.076	0.43	0.01	0.004	0.064	0.04	0.05	0.09	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	39 ##	5.	8.974	100.	5.	233.131	15.269	5.	5.	5.	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	39 ##	60.	242.949	2300.	60.	180310.155	424.629	60.	60.	200.	800.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	39 ##	25.	50.769	200.	25.	1863.866	43.173	25.	25.	100.	100.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	39 ##	10.	12.308	100.	10.	207.692	14.412	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	02/23/71-06/20/88	10	3550.	4199.	10700.	170.	13824432.222	3718.122	172.	445.	8050.	10450.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	02/23/71-06/20/88	10	3.54	3.32	4.029	2.23	0.452	0.672	2.235	2.613	3.906	4.018
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			2090.914								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	38	295.	2691.092	52000.	0.5	92307932.039	9607.702	9.05	55.	910.	2220.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	38	2.47	2.285	4.716	-0.301	1.248	1.117	0.87	1.734	2.959	3.346
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			192.859								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	39	300.	1463.885	39000.	0.5	38717208.743	6222.315	10.	50.	600.	1360.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	39	2.477	2.17	4.591	-0.301	1.052	1.026	1.	1.699	2.778	3.134
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			148.028								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	02/23/71-03/17/97	40	0.04	0.123	2.3	0.005	0.153	0.391	0.005	0.01	0.07	0.09
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	39	3.	7.417	77.	0.25	170.07	13.041	0.5	2.	7.	16.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/23/71-03/17/97	40	376.	372.275	509.	222.	3835.948	61.935	269.8	337.25	414.25	445.2
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/17/97	20	0.95	1.17	3.2	0.1	0.784	0.886	0.31	0.5	1.6	2.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0278

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	37	1	0.03	10	1	0.10	10	0	0.00	17	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	3	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	35	0	0.00	9	0	0.00	9	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	40	1	0.03	10	1	0.10	11	0	0.00	19	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	40	0	0.00	10	0	0.00	11	0	0.00	19	0	0.00			
		Drinking Water	250.	40	0	0.00	10	0	0.00	11	0	0.00	19	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
		Drinking Water	5000.	39	0	0.00	10	0	0.00	10	0	0.00	19	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	10	7	0.70	1	0	0.00	3	1	0.33	6	6	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	38	21	0.55	9	3	0.33	10	0	0.00	19	18	0.95			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-11/20/97	10	11.	10.62	14.5	6.2	6.233	2.497	6.28	9.25	12.25	14.35
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-11/20/97	9	15.	14.956	19.8	11.	6.77	2.602	11.	13.15	16.75	19.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-11/20/97	11	565.	581.091	749.	420.	9004.691	94.893	429.	540.	660.	737.2
00300	OXYGEN, DISSOLVED MG/L	06/18/81-11/20/97	10	8.2	8.09	12.2	2.8	7.95	2.82	3.03	6.45	9.75	12.18
00335	COD, .025N K2CR2O7 MG/L	02/23/71-03/17/97	10 ##	2.5	11.6	66.	2.5	440.044	20.977	2.5	2.5	9.375	62.4
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	10	7.7	7.71	8.1	7.4	0.059	0.242	7.4	7.475	7.925	8.09
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	10	7.7	7.652	8.1	7.4	0.062	0.25	7.4	7.475	7.925	8.09
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	10	0.02	0.022	0.04	0.008	0.	0.012	0.008	0.012	0.034	0.04
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	223.	227.6	292.	181.	1048.267	32.377	182.6	203.	249.25	287.8
00612	AMMONIA, UNIONZED (MG/L AS N)	02/23/71-03/17/97	9	0.55	0.547	1.	0.07	0.126	0.355	0.07	0.23	0.915	1.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	9	0.01	0.022	0.07	0.005	0.001	0.026	0.005	0.005	0.045	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.485	0.757	2.4	0.1	0.483	0.695	0.103	0.28	1.145	2.288
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/23/71-03/17/97	10	2.115	3.603	15.76	1.61	18.676	4.322	1.625	1.76	2.965	14.557
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/23/71-03/17/97	10	0.02	0.025	0.07	0.005	0.	0.021	0.005	0.009	0.035	0.068
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	257.	244.1	275.	148.	1473.433	38.385	155.5	228.25	270.	274.5
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	10	65.	66.35	112.	26.	538.781	23.212	28.	53.125	76.5	109.8
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	10	4.5	5.4	15.	0.2	15.829	3.979	0.45	3.15	6.5	14.3
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/71-03/17/97	10	75.	75.9	110.	46.	489.878	22.133	46.4	58.25	92.75	109.4
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	10	43.	42.8	50.	33.	30.622	5.534	33.3	38.25	48.	49.8
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.05	0.053	0.07	0.03	0.	0.013	0.031	0.048	0.063	0.07
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	10 ##	5.	6.5	12.5	5.	10.	3.162	5.	5.	6.875	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	10 ##	60.	102.	300.	60.	6795.556	82.435	60.	60.	125.	290.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	10 ##	25.	61.	200.	25.	3348.889	57.87	25.	25.	100.	190.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	9	140.	221.167	720.	0.5	70333.5	265.205	0.5	20.	415.	720.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	9	2.146	1.847	2.857	-0.301	0.949	0.974	-0.301	1.301	2.557	2.857
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			70.311								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	10	200.	344.	1360.	10.	181626.667	426.177	11.	42.5	605.	1289.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	10	2.252	2.141	3.134	1.	0.496	0.705	1.03	1.599	2.781	3.101
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			138.402								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	02/23/71-03/17/97	10	0.02	0.033	0.09	0.005	0.001	0.033	0.005	0.005	0.06	0.09
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	2.	4.025	21.	0.25	39.062	6.25	0.275	0.5	4.5	19.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/23/71-03/17/97	10	409.	411.6	460.	360.	1237.156	35.173	361.1	382.25	449.25	459.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-11/20/97	10	6.6	5.69	10.	0.	11.19	3.345	0.	3.3	8.025	9.84
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-11/20/97	8	2.1	3.05	10.7	-8.	45.251	6.727	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-11/20/97	9	470.	480.889	618.	400.	3767.111	61.377	400.	440.	505.	618.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-11/20/97	10	12.	12.28	15.	9.6	3.16	1.778	9.71	10.775	13.95	14.94
00335	COD, .025N K2CR2O7 MG/L	02/23/71-03/17/97	11 ##	2.5	15.136	120.	2.5	1251.205	35.372	2.5	2.5	2.5	100.8
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	10	8.25	8.13	8.8	7.1	0.242	0.492	7.15	7.825	8.5	8.77
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	10	8.247	7.826	8.8	7.1	0.345	0.587	7.15	7.825	8.5	8.77
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	10	0.006	0.015	0.079	0.002	0.001	0.024	0.002	0.003	0.016	0.074
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	10	190.5	185.9	237.	33.	3327.878	57.688	47.6	181.25	224.	236.6
00612	AMMONIA, UNIONZED (MG/L AS N)	02/23/71-03/17/97	11	0.31	0.418	1.2	0.01	0.137	0.371	0.016	0.13	0.63	1.136
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	9	0.01	0.011	0.02	0.005	0.	0.005	0.005	0.008	0.015	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	10	0.295	0.384	0.97	0.01	0.112	0.334	0.013	0.123	0.748	0.95
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/23/71-03/17/97	11	2.6	3.107	9.25	2.1	4.214	2.053	2.11	2.21	2.78	7.96
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/23/71-03/17/97	11	0.03	0.03	0.08	0.005	0.001	0.023	0.005	0.005	0.04	0.074
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	10	249.	239.6	280.	134.	1652.489	40.651	142.5	233.25	260.5	278.8
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	10	57.25	57.67	96.5	33.	461.473	21.482	33.15	35.625	76.2	94.53
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	10	3.5	4.812	18.	1.7	21.929	4.683	1.83	3.09	4.	16.6
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/71-03/17/97	11	64.	66.909	89.	43.	218.491	14.781	44.	60.	80.	88.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	10	40.	40.7	52.	29.	44.011	6.634	29.4	36.75	45.5	51.5
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	10	0.06	0.065	0.1	0.04	0.	0.022	0.04	0.048	0.085	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	10 ##	5.	6.5	12.5	5.	10.	3.162	5.	5.	6.875	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	10 ##	60.	209.	800.	60.	82410.	287.071	60.	60.	272.5	790.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	10 ##	25.	27.5	50.	25.	62.5	7.906	25.	25.	25.	47.5
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	10 ##	10.	19.	100.	10.	810.	28.46	10.	10.	10.	91.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	10	35.	40.1	110.	0.5	1235.6	35.151	0.5	7.625	62.5	106.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	10	1.54	1.222	2.041	-0.301	0.731	0.855	-0.301	0.675	1.795	2.022
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			16.676								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	10	20.	165.15	780.	0.5	80439.503	283.619	0.5	0.5	262.5	762.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	10	1.301	1.239	2.892	-0.301	1.503	1.226	-0.301	-0.301	2.327	2.881
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			17.34								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	02/23/71-03/17/97	11	0.05	0.146	1.09	0.005	0.099	0.314	0.01	0.04	0.07	0.89
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	10	2.5	3.775	12.	0.25	14.312	3.783	0.275	0.875	6.5	11.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/23/71-03/17/97	11	372.	361.091	433.	230.	3224.291	56.783	247.6	328.	394.	432.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-11/20/97	18	15.	15.061	22.8	9.5	10.69	3.269	10.85	12.5	17.15	18.48
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/18/81-11/20/97	11	23.	20.182	32.	1.	85.564	9.25	2.6	13.	27.	31.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/18/81-11/20/97	19	540.	564.789	778.	410.	13629.953	116.747	418.	469.	680.	738.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-11/20/97	17	8.4	9.806	19.8	6.2	13.821	3.718	6.36	7.35	10.9	17.32
00335	COD, .025N K2CR2O7 MG/L	02/23/71-03/17/97	19 ##	2.5	3.1	13.9	2.5	6.84	2.615	2.5	2.5	2.5	2.5
00403	PH, LAB, STANDARD UNITS SU	06/18/81-03/17/97	19	7.8	7.837	8.8	7.5	0.079	0.281	7.6	7.6	7.9	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-03/17/97	19	7.8	7.776	8.8	7.5	0.083	0.288	7.6	7.6	7.9	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-03/17/97	19	0.016	0.017	0.032	0.002	0.	0.007	0.01	0.013	0.025	0.025
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	06/18/81-03/17/97	19	188.	192.632	352.	19.	3682.579	60.684	156.	171.	217.	250.
00612	AMMONIA, UNIONZED (MG/L AS N)	02/23/71-03/17/97	19	0.26	0.444	1.23	0.005	0.172	0.415	0.005	0.06	0.75	1.19
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/82-03/17/97	17	0.03	0.031	0.06	0.005	0.	0.018	0.009	0.015	0.05	0.052
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-03/17/97	19	0.42	0.511	1.24	0.005	0.139	0.373	0.01	0.23	0.88	1.23
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/23/71-03/17/97	19	2.28	2.122	3.44	0.03	0.506	0.711	1.06	1.82	2.5	2.8
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/23/71-03/17/97	19	0.03	0.044	0.12	0.005	0.001	0.032	0.005	0.02	0.08	0.08
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-03/17/97	19	236.	239.737	313.	167.	1290.316	35.921	188.	218.	260.	287.
00929	SODIUM, TOTAL (MG/L AS NA)	06/18/81-03/17/97	19	50.	50.234	80.	20.	308.518	17.565	25.	38.	62.5	77.5
00937	POTASSIUM, TOTAL MG/L AS K)	06/18/81-03/17/97	19	4.9	6.441	16.	1.4	18.015	4.244	3.1	3.7	9.5	16.
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/71-03/17/97	19	54.	57.632	102.	8.	709.357	26.634	18.	39.	86.	92.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-03/17/97	19	40.	38.	51.	17.	80.444	8.969	24.	33.	43.	50.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/81-03/17/97	19	0.08	0.095	0.43	0.01	0.007	0.086	0.03	0.06	0.1	0.14
01027	CADMIUM, TOTAL (UG/L AS CD)	06/18/81-03/17/97	19 ##	5.	11.579	100.	5.	468.202	21.638	5.	5.	12.5	12.5
01045	IRON, TOTAL (UG/L AS FE)	06/18/81-03/17/97	19	100.	335.	2300.	60.	315430.556	561.632	60.	60.	300.	1100.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/18/81-03/17/97	19 ##	25.	57.632	140.	25.	1820.468	42.667	25.	25.	100.	130.
01092	ZINC, TOTAL (UG/L AS ZN)	06/18/81-03/17/97	19 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/18/81-03/17/97	19	900.	5256.316	52000.	70.	175811680.117	13259.4	290.	440.	1990.	31000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/18/81-03/17/97	19	2.954	3.052	4.716	1.845	0.433	0.658	2.462	2.643	3.299	4.491
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1128.15								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	19	420.	2736.842	39000.	30.	78261045.029	8846.527	80.	160.	900.	4800.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/23/71-03/17/97	19	2.623	2.676	4.591	1.477	0.47	0.685	1.903	2.204	2.954	3.681
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			474.105								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	02/23/71-03/17/97	19	0.03	0.157	2.3	0.005	0.27	0.52	0.005	0.005	0.07	0.08
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/18/81-03/17/97	19	7.	11.118	77.	0.25	304.128	17.439	2.	2.	11.	31.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/23/71-03/17/97	19	372.	358.053	509.	222.	4752.275	68.937	239.	328.	395.	438.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0279

NPS Station ID: VAFO0279
LAT/LON: 40.057726/ -75.531337
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK ON THE DOWNSTREAM SIDE OF OLD MOREHALL ROAD. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0279

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	10/30/96-10/30/96	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/30/96-10/30/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	1	286.	286.	286.	286.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/30/96-10/30/96	1	622.	622.	622.	622.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/30/96-10/30/96	1	622.	622.	622.	622.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/30/96-10/30/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	10/30/96-10/30/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/96-10/30/96	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	1	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/30/96-10/30/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/30/96-10/30/96	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	1	337.	337.	337.	337.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/30/96-10/30/96	1	69.3	69.3	69.3	69.3	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/30/96-10/30/96	1	47.2	47.2	47.2	47.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/30/96-10/30/96	1	72.2	72.2	72.2	72.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/30/96-10/30/96	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/30/96-10/30/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/30/96-10/30/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/30/96-10/30/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/30/96-10/30/96	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/30/96-10/30/96	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/30/96-10/30/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/30/96-10/30/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0279

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	10/30/96-10/30/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/30/96-10/30/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/30/96-10/30/96	1	157.	157.	157.	157.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/30/96-10/30/96	1	33.	33.	33.	33.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/30/96-10/30/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/30/96-10/30/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/30/96-10/30/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0279

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0280

NPS Station ID: VAFO0280
LAT/LON: 40.058254/ -75.531393
Agency: 11NPSWRD
Date Created: 10/05/99
Location: VALLEY CREEK AT MOREHALL ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_NPS_VAL6
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THIS SITE IS LOCATED OUTSIDE THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. THIS SITE IS AT VALLEY CREEK AT MOREHALL ROAD. DATA ARE FROM FIELD DATA SHEETS COLLECTED BY PARK STAFF AS PART OF A WATER RESOURCES MONITORING PROGRAM. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0280

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/90-11/29/93	12	16.2	14.092	20.6	3.8	35.754	5.979	4.28	7.4	18.675	20.15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/90-12/27/91	10	622.	521.4	814.	155.	51388.933	226.691	159.4	274.75	674.75	802.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/90-11/29/93	12	9.7	10.117	14.9	7.5	5.885	2.426	7.53	8.5	11.575	14.72
00403	PH, LAB, STANDARD UNITS SU	06/14/90-11/29/93	11	8.	7.873	8.5	7.1	0.144	0.38	7.18	7.5	8.	8.44
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/90-11/29/93	11	8.	7.704	8.5	7.1	0.175	0.419	7.18	7.5	8.	8.44
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/90-11/29/93	11	0.01	0.02	0.079	0.003	0.	0.022	0.004	0.01	0.032	0.07
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/90-11/29/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/90-11/29/93	16 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/90-11/29/93	12	80.	76.	120.	40.	525.273	22.919	40.	60.75	86.75	114.
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/07/90-11/29/93	5 ##	0.	0.008	0.04	0.	0.	0.018	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/19/90-02/19/93	2	6.095	6.095	11.99	0.2	69.502	8.337	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/25/91-05/27/93	3	300.	2900.	8300.	100.	21880000.	4677.606	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/14/90-11/29/93	11	0.9	0.975	1.8	0.02	0.32	0.566	0.036	0.7	1.4	1.76
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	05/04/90-11/29/93	16	0.1	31.3	100.	0.	2288.349	47.837	0.	0.	100.	100.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0280

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	3	0	0.00	1	0	0.00	8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	3	0	0.00	1	0	0.00	8	0	0.00			
		Drinking Water	250.	12	0	0.00	3	0	0.00	1	0	0.00	8	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	5	1	0.20	2	1	0.50	1	0	0.00	2	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	2	0.67	1	1	1.00	1	0	0.00	1	1	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	16	5	0.31	5	3	0.60	1	0	0.00	10	2	0.20			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0281

NPS Station ID: VAFO0281
LAT/LON: 40.058503/ -75.531476
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 7 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	1	462.	462.	462.	462.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	1.84	1.84	1.84	1.84	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	2.62	2.62	2.62	2.62	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	265.	265.	265.	265.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	1	60.3	60.3	60.3	60.3	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	1	34.8	34.8	34.8	34.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	1	48.5	48.5	48.5	48.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	1	723.	723.	723.	723.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	1	353.	353.	353.	353.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	1	166.	166.	166.	166.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0281

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0282

NPS Station ID: VAFO0282
LAT/LON: 40.058143/ -75.531310
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_05
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 10M-15M UPSTREAM OF THE ROUTE 29 BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0282

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/09/95-01/07/98	6	13.8	13.7	16.5	10.8	5.468	2.338	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/14/96-09/03/96	3	7.	6.667	9.	4.	6.333	2.517	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/23/95-01/07/98	5	600.	621.6	790.	478.	14812.8	121.708	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/09/95-01/07/98	6	8.	8.267	10.3	6.6	1.891	1.375	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	05/09/95-01/07/98	6	0.45	0.525	0.9	0.15	0.106	0.325	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/09/95-01/07/98	6 ##	5.	6.5	14.	5.	13.5	3.674	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/09/95-01/07/98	6	7.835	7.903	8.16	7.71	0.044	0.209	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/09/95-01/07/98	6	7.832	7.865	8.16	7.71	0.045	0.213	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/09/95-01/07/98	6	0.015	0.014	0.019	0.007	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	6	218.	223.667	268.	194.	738.267	27.171	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/09/95-01/07/98	6	454.	472.333	558.	426.	2210.267	47.013	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/09/95-01/07/98	6	454.	469.	558.	426.	2247.6	47.409	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/09/95-01/07/98	6 ##	1.	4.	10.	1.	21.6	4.648	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/09/95-07/18/96	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/03/96-01/07/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	05/14/96-05/14/96	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-01/07/98	1	3.12	3.12	3.12	3.12	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/09/95-01/07/98	6	0.405	0.493	0.83	0.16	0.07	0.265	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	6	0.047	0.046	0.07	0.02	0.	0.017	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/95-01/07/98	6	2.455	2.437	2.9	2.02	0.116	0.341	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/09/95-09/03/96	5	0.65	1.16	2.64	0.53	0.795	0.891	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/09/95-01/07/98	6	0.035	0.043	0.09	0.03	0.001	0.023	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/95-01/07/98	6	1.55	1.533	1.7	1.3	0.019	0.137	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/09/95-01/07/98	6	210.	196.667	282.	113.	4156.267	64.469	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0282

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	05/09/95-01/07/98	6	55.55	64.	112.	50.2	568.308	23.839	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/09/95-01/07/98	6	31.05	34.083	58.1	22.2	165.958	12.882	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/03/96-01/07/98	2	102.1	102.1	146.	58.2	3854.42	62.084	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-01/07/98	1	4.43	4.43	4.43	4.43	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/09/95-01/07/98	6	77.5	78.833	98.	66.	156.567	12.513	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/09/95-01/07/98	6	31.	31.5	36.	29.	7.1	2.665	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/09/95-01/07/98	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/09/95-01/07/98	6	8.	7.5	11.	2.	10.7	3.271	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/09/95-01/07/98	6 ##	5.	10.833	40.	5.	204.167	14.289	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/09/95-01/07/98	6	78.5	79.833	145.	25.	1929.367	43.925	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/09/95-01/07/98	6 ##	0.5	1.833	8.	0.5	9.167	3.028	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/09/95-01/07/98	6	37.	37.833	50.	30.	54.567	7.387	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/09/95-01/07/98	6 ##	12.5	14.583	25.	12.5	26.042	5.103	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/09/95-01/07/98	6 ##	5.	11.333	38.	5.	174.667	13.216	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/09/95-01/07/98	5 ##	67.5	246.5	930.	67.5	146189.375	382.347	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/14/96-01/07/98	4	359.	337.75	410.	223.	6580.25	81.119	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/03/96-09/03/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/03/96-09/03/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	05/14/96-09/03/96	2 ##	0.001	0.001	0.003	0.	0.	0.002	**	**	**	**
38423	CHLORONEB WATER, TOTUG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/14/96-09/03/96	2 ##	0.355	0.355	0.71	0.	0.252	0.502	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	05/14/96-09/03/96	2 ##	0.001	0.001	0.003	0.	0.	0.002	**	**	**	**
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39460	CHLOROBENZILATE IN WHOLE WATER SAMPLE (UG/L)	05/14/96-05/14/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	08/23/95-09/03/96	4	1000.	1100.	2000.	400.	546666.667	739.369	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	08/23/95-09/03/96	4	650.	730.	1600.	20.	559600.	748.064	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	08/23/95-09/03/96	4	140.	175.	360.	60.	16900.	130.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/09/95-01/07/98	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77729	RAMROD WHOLE WATER,UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78008	ENDRIN KETONE IN WATER UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/14/96-05/14/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81607	TETRAHYDROFURAN WHL WATER SMPL UG/L	09/03/96-09/03/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	05/14/96-09/03/96	2 ##	0.	0.	0.001	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/09/95-01/07/98	6 ##	0.5	0.933	2.1	0.5	0.487	0.698	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0282

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	2	0	0.00				4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	2	0	0.00				4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	2	0	0.00				4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	250.	6	0	0.00	2	0	0.00				4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	2	0	0.00				4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	5.	6	0	0.00	2	0	0.00				4	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	2	0	0.00				4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0282

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	6	1	0.17	2	0	0.00				4	1	0.25			
		Drinking Water	1300.	6	0	0.00	2	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	15.	6	0	0.00	2	0	0.00				4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	100.	6	0	0.00	2	0	0.00				4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	5000.	6	0	0.00	2	0	0.00				4	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	2	0	0.00	1	0	0.00				1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2	0	0.00	1	0	0.00				1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	4	1	0.25	1	0	0.00				3	1	0.33			
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	2	0	0.00				4	0	0.00			
		Drinking Water	2.	6	0	0.00	2	0	0.00				4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	6	0	0.00	2	0	0.00				4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0283

NPS Station ID: VAFO0283 LAT/LON: 40.058365/ -75.531310 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 160 FT US OF THE RT 29 BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_09
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 160 FEET UPSTREAM OF THE ROUTE 29 BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0283

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/98-12/15/98	9	13.6	13.933	16.6	10.9	5.2	2.28	10.9	11.6	16.05	16.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/02/98-12/15/98	11	5.2	5.527	8.	3.6	1.804	1.343	3.74	4.4	6.8	7.86
00406	PH, FIELD, STANDARD UNITS SU	07/27/98-12/15/98	6	7.56	7.537	7.79	7.19	0.039	0.197	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/98-12/15/98	6	7.56	7.496	7.79	7.19	0.041	0.202	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/98-12/15/98	6	0.028	0.032	0.065	0.016	0.	0.017	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0283

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	11	1	0.09	8	1	0.13				3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	4	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	4	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0284

NPS Station ID: VAFO0284 LAT/LON: 40.058056/ -75.531364 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473158) VALLEY CR ABOVE RT 29 AT VALLEY STORE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK ABOVE ROUTE 29 AT VALLEY STORE; USGS STATION NUMBER 01473158. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0284

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	794.	794.	794.	794.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	251.	251.	251.	251.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.713	0.713	0.713	0.713	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/09/98-09/09/98	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/09/98-09/09/98	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/09/98-09/09/98	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/09/98-09/09/98	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/09/98-09/09/98	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/09/98-09/09/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/09/98-09/09/98	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/09/98-09/09/98	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/09/98-09/09/98	1	165.	165.	165.	165.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0284

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/09/98-09/09/98	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/09/98-09/09/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/09/98-09/09/98	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/09/98-09/09/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/09/98-09/09/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/09/98-09/09/98	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/09/98-09/09/98	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	09/09/98-09/09/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0284

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0285

NPS Station ID: VAFO0285 LAT/LON: 40.057781/ -75.531726 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 90 FT DS OF OLD MOREHALL BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_30
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT APPROXIMATELY 90 FEET DOWNSTREAM OF THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0285

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/15/98-12/15/98	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/98-12/15/98	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/15/98-12/15/98	1	7.62	7.62	7.62	7.62	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/15/98-12/15/98	1	7.62	7.62	7.62	7.62	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/15/98-12/15/98	1	0.024	0.024	0.024	0.024	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0285

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0286

NPS Station ID: VAFO0286 LAT/LON: 40.057698/ -75.531781 Agency: 11NPSWRD Date Created: 05/22/99
Location: SPRING ON LEFT DS OF OLD MOREHALL RD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): VAFO_DEP_98_08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK NEAR VALLEY CREEK AT THE SPRING LOCATED ON THE LEFT DOWNSTREAM OF THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0286

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	2	6.55	6.55	6.6	6.5	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0286

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0287

NPS Station ID: VAFO0287
LAT/LON: 40.057726/ -75.531781
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4A AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_04A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4A IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK DOWNSTREAM OF THE OLD MOREHALL ROAD BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0287

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/04/98-12/30/98	2	10.1	10.1	10.9	9.3	1.28	1.131	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/30/98-12/30/98	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/04/98-12/30/98	2	3.3	3.3	3.6	3.	0.18	0.424	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/04/98-12/30/98	2	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/04/98-12/30/98	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/04/98-12/30/98	2	7.43	7.43	7.6	7.26	0.058	0.24	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/04/98-12/30/98	2	7.398	7.398	7.6	7.26	0.06	0.245	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/98-12/30/98	2	0.04	0.04	0.055	0.025	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/04/98-12/30/98	2	272.	272.	278.	266.	72.	8.485	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/04/98-12/30/98	2	466.	466.	512.	420.	4232.	65.054	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/04/98-12/30/98	2	457.	457.	494.	420.	2738.	52.326	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/98-12/30/98	2 ##	3.5	3.5	6.	1.	12.5	3.536	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	11/04/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	2	3.025	3.025	3.04	3.01	0.	0.021	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/04/98-12/30/98	2	1.3	1.3	1.33	1.27	0.002	0.042	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/04/98-12/30/98	2	1.425	1.425	1.47	1.38	0.004	0.064	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/98-12/30/98	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/04/98-12/30/98	2	1.75	1.75	1.8	1.7	0.005	0.071	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/04/98-12/30/98	2	311.	311.	311.	311.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/04/98-12/30/98	2	55.55	55.55	55.9	55.2	0.245	0.495	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/04/98-12/30/98	2	41.95	41.95	42.1	41.8	0.045	0.212	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/30/98-12/30/98	1	74.3	74.3	74.3	74.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0287

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	1	5.55	5.55	5.55	5.55	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/98-12/30/98	2	108.	108.	114.	102.	72.	8.485	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/04/98-12/30/98	2	31.5	31.5	32.	31.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/04/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/04/98-12/30/98	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/04/98-12/30/98	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/04/98-12/30/98	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/04/98-12/30/98	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/04/98-12/30/98	2	107.5	107.5	109.	106.	4.5	2.121	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/04/98-12/30/98	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/04/98-12/30/98	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/04/98-12/30/98	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/04/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/04/98-12/30/98	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0287

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	2	2	1.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0288

NPS Station ID: VAFO0288
LAT/LON: 40.070699/ -75.531559
Agency: 11NPSWRD
Date Created: 09/25/99
Location: CEDAR HOLLOW QUARRY NORTH
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_CHQN
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CEDAR HOLLOW QUARRY NORTH AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0288

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	1	525.	525.	525.	525.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/85-04/29/85	1	331.	331.	331.	331.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/29/85-04/29/85	1	37.	37.	37.	37.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0288

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	04/29/85-04/29/85	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0288

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0289

NPS Station ID: VAFO0289 LAT/LON: 40.057642/ -75.531781 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK 5 FT DS OF OLD MOREHALL RD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK 5 FEET DOWNSTREAM OF THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0289

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-12/15/98	3	10.7	11.333	13.1	10.2	2.403	1.55	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-12/15/98	5	2.3	2.38	2.9	2.	0.117	0.342	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/18/98-12/15/98	2	7.49	7.49	7.5	7.48	0.	0.014	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/18/98-12/15/98	2	7.49	7.49	7.5	7.48	0.	0.014	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/98-12/15/98	2	0.032	0.032	0.033	0.032	0.	0.001	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0289

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	5	1.00	5	5	1.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0290

NPS Station ID: VAFO0290
LAT/LON: 40.057198/ -75.531781
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 3 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0290

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	266.	266.	266.	266.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	1	498.	498.	498.	498.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	1	1.44	1.44	1.44	1.44	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	235.	235.	235.	235.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	1	51.2	51.2	51.2	51.2	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	1	93.9	93.9	93.9	93.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	1	147.	147.	147.	147.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	1	179.	179.	179.	179.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	1	230.	230.	230.	230.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0290

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	1	751.	751.	751.	751.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	1	212.	212.	212.	212.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	1	40.	40.	40.	40.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0290

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0291

NPS Station ID: VAFO0291 LAT/LON: 40.057587/ -75.531892 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CREEK AT OLD MOREHALL ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_27
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS A SPRING LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK UNDER THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0291

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/18/98-11/18/98	1	11.3	11.3	11.3	11.3	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/18/98-11/18/98	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/18/98-11/18/98	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/18/98-11/18/98	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/98-11/18/98	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0291

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0292

NPS Station ID: VAFO0292 | LAT/LON: 40.057281/ -75.532060 | Agency: 11NPSWRD | Date Created: 08/28/99
Location: VALLEY CREEK AT OLD MOREHALL RD. | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_TMS_5
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK ABOUT 50 FEET UPSTREAM FROM THE OLD MOREHALL ROAD BRIDGE AND IS OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. DATA ARE FROM MISCELLANEOUS SHEETS. DATA WERE COLLECTED BY VOLUNTEERS FOR A VALLEY CREEK TURBIDITY MONITORING STUDY. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0292

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/90-06/07/90	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/07/90-08/31/90	18	1.95	3.272	14.4	0.9	13.907	3.729	1.26	1.575	2.725	12.42

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0292

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	18	0	0.00							18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0293

NPS Station ID: VAFO0293 LAT/LON: 40.057338/ -75.531977 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 100 FT US OLD MOREHALL RD BRG FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_28
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 100 FEET UPSTREAM FROM THE OLD MOREHALL ROAD BRIDGE. DATE WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0293

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/28/98-10/28/98	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0293

			Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0294

NPS Station ID: VAFO0294 LAT/LON: 40.057587/ -75.531892 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CREEK AT OLD MOREHALL ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0294

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/98-09/10/98	1	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/10/98-09/10/98	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/10/98-09/10/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/10/98-09/10/98	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/10/98-09/10/98	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0294

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0295

NPS Station ID: VAFO0295
LAT/LON: 40.058031/ -75.531866
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 6 AT SPRING TO VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC1_06
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0295

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	10/30/96-10/30/96	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/30/96-10/30/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	1	286.	286.	286.	286.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/30/96-10/30/96	1	524.	524.	524.	524.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/30/96-10/30/96	1	524.	524.	524.	524.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/30/96-10/30/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	10/30/96-10/30/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/96-10/30/96	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/30/96-10/30/96	1	1.42	1.42	1.42	1.42	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/30/96-10/30/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/30/96-10/30/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/30/96-10/30/96	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/30/96-10/30/96	1	275.	275.	275.	275.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/30/96-10/30/96	1	69.4	69.4	69.4	69.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/30/96-10/30/96	1	42.4	42.4	42.4	42.4	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/30/96-10/30/96	1	58.9	58.9	58.9	58.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/30/96-10/30/96	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/30/96-10/30/96	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/30/96-10/30/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/30/96-10/30/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/30/96-10/30/96	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/30/96-10/30/96	1	882.	882.	882.	882.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/30/96-10/30/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0295

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	10/30/96-10/30/96	1	193.	193.	193.	193.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/30/96-10/30/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/30/96-10/30/96	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/30/96-10/30/96	1	231.	231.	231.	231.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/30/96-10/30/96	1	183.	183.	183.	183.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/30/96-10/30/96	1	50.	50.	50.	50.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/30/96-10/30/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/30/96-10/30/96	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0295

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0296

NPS Station ID: VAFO0296
LAT/LON: 40.057421/ -75.531921
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 36 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_36
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 36 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0296

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0296

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0297

NPS Station ID: VAFO0297 LAT/LON: 40.057421/ -75.531921 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK 20 FT US OF THE OLD MOREHALL RD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP98/9_05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK 20 FEET UPSTREAM OF THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998-99 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0297

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-12/15/98	3	10.	10.833	13.2	9.3	4.323	2.079	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/98-12/15/98	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-12/15/98	4	3.55	3.675	4.7	2.9	0.576	0.759	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/18/98-12/15/98	2	7.545	7.545	7.57	7.52	0.001	0.035	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/18/98-12/15/98	2	7.544	7.544	7.57	7.52	0.001	0.035	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/98-12/15/98	2	0.029	0.029	0.03	0.027	0.	0.002	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0297

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	3	0.75	4	3	0.75									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0298

NPS Station ID: VAFO0298 LAT/LON: 40.058060/ -75.532226 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473157) VALLEY CREEK AT VALLEY STORE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_11
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK AT VALLEY STORE; USGS STATION NUMBER 01473157. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	608.	608.	608.	608.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.127	0.127	0.127	0.127	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.046	0.046	0.046	0.046	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0298

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0298

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0299

NPS Station ID: VAFO0299 LAT/LON: 40.057142/ -75.532198 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK 200 FT US OF OLD MOREHALL RD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK 200 FEET UPSTREAM OF THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	2	5.6	5.6	7.2	4.	5.12	2.263	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0299

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0300

NPS Station ID: VAFO0300
LAT/LON: 40.056948/ -75.532476
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI75_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 400 YARDS DOWNSTREAM OF THE KNICKERBOCKER LANDFILL SITE AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE IMPACT OF VARIOUS INDUSTRIAL WASTE DISCHARGES ON VALLEY AND LITTLE VALLEY CREEKS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0300

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/75-06/19/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/19/75-06/19/75	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	458.	458.	458.	458.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0300

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	1	170.	170.	170.	170.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0300

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00							1	1	1.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0301

NPS Station ID: VAFO0301
LAT/LON: 40.068337/ -75.532920
Agency: 11NPSWRD
Date Created: 09/25/99
Location: CEDAR HOLLOW QUARRY SOUTH
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_CHQS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CEDAR HOLLOW QUARRY SOUTH AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0301

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/85-04/29/85	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/85-04/29/85	1	211.	211.	211.	211.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/29/85-04/29/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0301

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/29/85-04/29/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/29/85-04/29/85	1	98.	98.	98.	98.	0.	0.	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	04/29/85-04/29/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	04/29/85-04/29/85	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0301

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0302

NPS Station ID: VAFO0302 LAT/LON: 40.056809/ -75.533226 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CK APPROX 500 FT US OF OLD MOREHALL BRG FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK APPROXIMATELY 500 FEET UPSTREAM OF THE OLD MOREHALL ROAD BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0302

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	1	13.3	13.3	13.3	13.3	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	2	5.7	5.7	8.2	3.2	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0302

			Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0303

NPS Station ID: VAFO0303
LAT/LON: 40.044642/ -75.533865
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 8 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE BRIDGE WHERE ROUTE 401 CROSSES LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0303

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	39.811	39.811	39.811	39.811	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	800.	800.	800.	800.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	420.	420.	420.	420.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	380.	380.	380.	380.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0303

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0303

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	1	1.00							1	1	1.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0304

NPS Station ID: VAFO0304
LAT/LON: 40.044642/ -75.533976
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 6 AT LITTLE VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_6
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE ROUTE 401 BRIDGE CROSSING LITTLE VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0304

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/74-08/19/74	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/19/74-08/19/74	1	510.	510.	510.	510.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0304

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	1	1.00							1	1	1.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0305

NPS Station ID: VAFO0305 | LAT/LON: 40.044253/ -75.534254 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 3 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_03
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	1	36.	36.	36.	36.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0305

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0305

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0306

NPS Station ID: VAFO0306
LAT/LON: 40.057059/ -75.534809
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0306

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	206.	206.	206.	206.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	1	292.	292.	292.	292.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	1	292.	292.	292.	292.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	3.39	3.39	3.39	3.39	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	1	4.22	4.22	4.22	4.22	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	212.	212.	212.	212.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	1	61.8	61.8	61.8	61.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	1	28.8	28.8	28.8	28.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	1	35.2	35.2	35.2	35.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0306

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	1	155.	155.	155.	155.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	1	488.	488.	488.	488.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0306

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0307

NPS Station ID: VAFO0307
LAT/LON: 40.057393/ -75.535365
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0307

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	11/07/96-11/07/96	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	264.	264.	264.	264.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/07/96-11/07/96	1	454.	454.	454.	454.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/07/96-11/07/96	1	454.	454.	454.	454.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/07/96-11/07/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/07/96-11/07/96	1	1.86	1.86	1.86	1.86	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/07/96-11/07/96	1	1.99	1.99	1.99	1.99	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/07/96-11/07/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/96-11/07/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/07/96-11/07/96	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/07/96-11/07/96	1	78.2	78.2	78.2	78.2	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/07/96-11/07/96	1	50.2	50.2	50.2	50.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/07/96-11/07/96	1	37.9	37.9	37.9	37.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/07/96-11/07/96	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/96-11/07/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/07/96-11/07/96	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/96-11/07/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/07/96-11/07/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/96-11/07/96	1	102.	102.	102.	102.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0307

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	11/07/96-11/07/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/07/96-11/07/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/07/96-11/07/96	1	287.	287.	287.	287.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	11/07/96-11/07/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	11/07/96-11/07/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/07/96-11/07/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/07/96-11/07/96	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0307

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0308

NPS Station ID: VAFO0308 LAT/LON: 40.056448/ -75.535948 Agency: 11NPSWRD Date Created: 10/05/99
Location: DOWNSTREAM FROM KNICKERBOCKER LANDFILL FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_VC7
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM VALLEY CREEK DOWNSTREAM FROM KNICKERBOCKER LANDFILL. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0308

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/27/78-09/27/78	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/04/72-09/29/86	3 ##	2.	5.667	15.	0.	66.333	8.145	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/04/72-09/29/86	3	1800.	1300.	1900.	200.	910000.	953.939	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/04/72-09/29/86	3	18.	16.	25.	5.	103.	10.149	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/04/72-09/29/86	3	104.	461.333	1250.	30.	467865.333	684.007	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/04/72-09/29/86	3 ##	25.	17.	26.	0.	217.	14.731	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/04/72-10/04/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	09/27/78-09/27/78	1	433.	433.	433.	433.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/04/72-09/27/78	2 ##	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0308

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	3	0	0.00									
		Drinking Water	1300.	3	0	0.00	3	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	3	0	0.00									
		Drinking Water	15.	2 &	1	0.50	2	1	0.50									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	0 &	0	0.00												
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0309

NPS Station ID: VAFO0309 LAT/LON: 40.044420/ -75.535920 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 4 AT LITTLE VALLEY CREEK UNNAMED TRIB FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VOS_04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY IVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0309

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0309

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0309

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0310

NPS Station ID: VAFO0310 LAT/LON: 40.042392/ -75.535976 Agency: 11NPSWRD Date Created: 10/05/99
Location: HEADWATER TRIB OF LITTLE VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_VC5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM A HEADWATER TRIBUTARY OF LITTLE VALLEY CREEK. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0310

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/03/72-10/03/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/03/72	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-10/03/72	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/03/72-10/03/72	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/03/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/03/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-09/27/78	2	417.5	417.5	425.	410.	112.5	10.607	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/03/72-09/27/78	2	10.25	10.25	11.	9.5	1.125	1.061	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/03/72-09/27/78	2	7.425	7.425	7.8	7.05	0.281	0.53	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/03/72-09/27/78	2	7.28	7.28	7.8	7.05	0.323	0.569	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/03/72-09/27/78	2	0.052	0.052	0.089	0.016	0.003	0.052	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-09/27/78	2	66.	66.	72.	60.	72.	8.485	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	2	0.021	0.021	0.021	0.021	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	2	2.8	2.8	4.1	1.5	3.38	1.838	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-09/27/78	2	0.56	0.56	0.8	0.32	0.115	0.339	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/27/78	2	175.	175.	250.	100.	11250.	106.066	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/03/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0310

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-09/27/78	2	6550.	6550.	12700.	400.	75645000.	8697.413	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-09/27/78	2	77.	77.	100.	54.	1058.	32.527	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-09/27/78	2	132.5	132.5	192.	73.	7080.5	84.146	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-09/27/78	2	3.41	3.41	3.83	2.99	0.353	0.594	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-10/03/72	1	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0310

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0311

NPS Station ID: VAFO0311 | LAT/LON: 40.040227/ -75.536170 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 1 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_01
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0311

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0311

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0312

NPS Station ID: VAFO0312 | LAT/LON: 40.042003/ -75.536059 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 2 AT LITTLE VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VOS_02
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT LITTLE VALLEY CREEK. DATA WERE SAMPLED AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0312

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	05/02/94-05/02/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	05/02/94-05/02/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	05/02/94-05/02/94	1	90.	90.	90.	90.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	05/02/94-05/02/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	05/02/94-05/02/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	05/02/94-05/02/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0312

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0312

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0313

NPS Station ID: VAFO0313
LAT/LON: 40.054670/ -75.537059
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 35 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_35
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 35 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0313

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/27/93-04/27/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	04/27/93-04/27/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0313

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0313

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0314

NPS Station ID: VAFO0314
LAT/LON: 40.058893/ -75.537503
Agency: 112WRD
Date Created: 12/02/81
Location: VALLEY CR NR DEVAULT PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400332075321500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 30.10
On/Off RF1:
RF3 Index: 02040203034100.04
RF3 Mile Point: 0.04
Distance from RF3: 0.30
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0314

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	11/13/79-11/13/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/13/79-11/13/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	11/13/79-11/13/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/13/79-11/13/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/13/79-11/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/13/79-11/13/79	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11/13/79-11/13/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/13/79-11/13/79	1	47.	47.	47.	47.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/13/79-11/13/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0315

NPS Station ID: VAFO0315 LAT/LON: 40.052559/ -75.538754 Agency: 11NPSWRD Date Created: 10/05/99
Location: UPSTREAM FROM KNICKERBOCKER LANDFILL FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_VC6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM VALLEY CREEK UPSTREAM FROM KNICKERBOCKER LANDFILL. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0315

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/27/78-09/27/78	1	650.	650.	650.	650.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/04/72-09/29/86	3 ##	2.	5.667	15.	0.	66.333	8.145	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/04/72-09/29/86	3	100.	106.667	140.	80.	933.333	30.551	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/04/72-09/29/86	3	16.	18.	25.	13.	39.	6.245	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/04/72-09/29/86	3	40.	35.333	50.	16.	305.333	17.474	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/04/72-09/29/86	3 ##	12.	12.333	25.	0.	156.333	12.503	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/04/72-10/04/72	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	10/04/72-10/04/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/04/72-10/04/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	09/27/78-09/27/78	1	300.	300.	300.	300.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/04/72-09/27/78	2 ##	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0315

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	3	0	0.00									
		Drinking Water	1300.	3	0	0.00	3	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	3	0	0.00									
		Drinking Water	15.	2 &	1	0.50	2	1	0.50									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00	1	1	1.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	0 &	0	0.00												
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0316

NPS Station ID: VAFO0316 LAT/LON: 40.130031/ -75.539281 Agency: 11NPSWRD Date Created: 05/02/98
Location: UNNAMED TRIBUTARY TO FRENCH CK AT PA ROUTE 113 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BOYER_09
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON AN UNNAMED TRIBUTARY TO FRENCH CREEK AT PA ROUTE 113; RIVER MILE 0.31. THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE NPS AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION TO ASSESS NON-POINT SOURCE POLLUTION IN FRENCH CREEK AND TO DOCUMENT OVERALL WATER QUALITY IN THE BASIN. DATA WERE PUBLISHED IN THE REPORT "AQUATIC BIOLOGY INVESTIGATION; FRENCH CREEK/CHESTER COUNTY; NPS SURVEY" BY MICHAEL R. BOYER (1993). THE REPORT STATED; "THE TRIBUTARY HAD A HEAVILY ERODED BANKS AND APPEARED TO BE MAINLY INFLUENCED BY STORMWATER RUNOFF. SURROUNDING LAND WAS PRIMARILY RESIDENTIAL WITH SCATTERED WOODLOTS..THE INVERTEBRATE COMMUNITY WAS DEPRESSED WITH 16 TAXA COLLECTED..OVERALL STREAM CONDITIONS WERE FAIR." DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0316

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	1	19.4	19.4	19.4	19.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	1	7.64	7.64	7.64	7.64	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/09/91-07/09/91	1	7.64	7.64	7.64	7.64	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/91-07/09/91	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	1	338.	338.	338.	338.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	1	334.	334.	334.	334.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	1.56	1.56	1.56	1.56	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	1	42.2	42.2	42.2	42.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0316

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	1	147.	147.	147.	147.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	1	812.	812.	812.	812.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	1	3700.	3700.	3700.	3700.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/09/91-07/09/91	1	3.568	3.568	3.568	3.568	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3700.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	650.	650.	650.	650.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	2.813	2.813	2.813	2.813	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			650.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/09/91-07/09/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1000.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0316

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0317

NPS Station ID: VAFO0317
LAT/LON: 40.070392/ -75.541004
Agency: 11NPSWRD
Date Created: 09/25/99
Location: CATANACH QUARRY DISCHARGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_CQD
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CATANACH QUARRY DISCHARGE AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0317

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1	37.	37.	37.	37.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	1	24.	24.	24.	24.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0317

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	07/05/85-07/05/85	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0317

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0318

NPS Station ID: VAFO0318
LAT/LON: 40.070281/ -75.541115
Agency: 112WRD
Date Created: 11/23/85
Location: GLASGOW QUARRY #3
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400413075322801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203034000.00
RF3 Mile Point: 0.38
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0318

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/85-07/05/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/85-07/05/85	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/05/85-07/05/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/05/85-07/05/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/85-07/05/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/85-07/05/85	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/05/85-07/05/85	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/05/85-07/05/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/85-07/05/85	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/85-07/05/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/05/85-07/05/85	1	67.	67.	67.	67.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1	37.	37.	37.	37.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	1	24.	24.	24.	24.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0318

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0319

NPS Station ID: VAFO0319
Location: FRENCH CR RTE 23 BR NEAR PHNXVIL
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02040203
Major Basin: NORTH ATLANTIC
Minor Basin: DELAWARE
RF1 Index: 02040203019
RF3 Index: 02040203000702.05
Description:

LAT/LON: 40.135559/ -75.541671

Depth of Water: 1
Elevation: 0

RF1 Mile Point: 1.710
RF3 Mile Point: 2.04

Agency: 11131DWQ
FIPS State/County: 42000 PENNSYLVANIA/
STORET Station ID(s): DEL 106 /106 /FRN 02
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.01

Date Created: / /

On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: VAFO0319

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/72-06/07/72	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/72-06/07/72	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/72-06/07/72	1	0.085	0.085	0.085	0.085	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/72-06/07/72	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/72-06/07/72	1	1.23	1.23	1.23	1.23	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/07/72-06/07/72	1	1.29	1.29	1.29	1.29	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/72-06/07/72	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	06/07/72-06/07/72	1	12.1	12.1	12.1	12.1	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/07/72-06/07/72	1	35.	35.	35.	35.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/72-06/07/72	1	3.32	3.32	3.32	3.32	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0319

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0320

NPS Station ID: VAFO0320
LAT/LON: 40.133892/ -75.541948
Agency: 112WRD
Date Created: 12/02/81
Location: FRENCH CR AT NUTT RD NR PHOENIXVILLE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400802075323100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203006900.00
RF3 Mile Point: 0.07
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0320

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	12/06/79-12/06/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/06/79-12/06/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	12/06/79-12/06/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/06/79-12/06/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/06/79-12/06/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/06/79-12/06/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	12/06/79-12/06/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/06/79-12/06/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/06/79-12/06/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/06/79-12/06/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/06/79-12/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0321

NPS Station ID: VAFO0321
LAT/LON: 40.067448/ -75.543143
Agency: 11NPSWRD
Date Created: 09/25/99
Location: CATANACH QUARRY SOUTH
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_CQS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CATANACH QUARRY SOUTH AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0321

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0321

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	07/05/85-07/05/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0321

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0322

NPS Station ID: VAFO0322 LAT/LON: 40.051115/ -75.545559 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473156) VALLEY CREEK NEAR VALLEY STORE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK NEAR VALLEY STORE; USGS STATION NUMBER 01473156. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0322

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	608.	608.	608.	608.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	176.	176.	176.	176.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.034	0.034	0.034	0.034	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.054	0.054	0.054	0.054	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0322

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0322

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0323

NPS Station ID: VAFO0323
LAT/LON: 40.069392/ -75.546254
Agency: 11NPSWRD
Date Created: 09/25/99
Location: CATANACH QUARRY NORTH
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_CQN
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT CATANACH QUARRY NORTH AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0323

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	07/05/85-07/05/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1	300.	300.	300.	300.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/05/85-07/05/85	1	140.	140.	140.	140.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0323

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34668	DICHLORODIFUOROMETHANE TOTWUG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/05/85-07/05/85	1	200.	200.	200.	200.	0.	0.	**	**	**	**
61290	BENZENE, TOTAL WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	07/05/85-07/05/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
78733	ORGANICS, VOLATILE FRACTION MG/L	07/05/85-07/05/85	1	0.86	0.86	0.86	0.86	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0323

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	1	1.00							1	1	1.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	1	1.00							1	1	1.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0324

NPS Station ID: VAFO0324
LAT/LON: 40.166948/ -75.549171
Agency: 11NPSWRD
Date Created: 08/15/98
Location: STONY RUN AT SPRING CITY; PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_STRU
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE SITE IS LOCATED ON THE PHOENIXVILLE; PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE; AND IS APPROXIMATELY 5 MILES NORTHWEST OF VALLEY FORGE NATIONAL HISTORIC PARK; ON THE STONY RUN NEAR SPRING CITY PENNSYVANIA. STONY RUN DRAINS INTO THE SCHUYLKILL RIVER NORTHWEST OF THE PARK. THE SCHUYLKILL THEN FLOWS THROUGH THE PARK. THE DATA ARE FROM THE 1989 U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 85-686 "PHYSICAL CHEMICAL; AND BIOLOGICAL DATA FOR SELECTED STREAMS IN CHESTER COUNTY PENNSYLVANIA; 1969-80"; BY CRAIG R. MOORE. THE REPORT WAS PREPARED TO PROVIDE A BASELINE OF THE EXISTING STREAM CONDITIONS. DATA WERE PROCESSED AND UPLOADED TO STORET BY ERIC LORD AT NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; COLORADO 80525; TEL(970) 225-3514; FAX(970) 225-9965.

Parameter Inventory for Station: VAFO0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/70-10/26/76	3	15.	14.333	17.	11.	9.333	3.055	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/29/70-09/28/71	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/29/70-10/26/76	3	205.	225.	275.	195.	1900.	43.589	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/26/76-10/26/76	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/29/70-10/26/76	3	7.5	7.467	7.9	7.	0.203	0.451	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/29/70-10/26/76	3	7.5	7.318	7.9	7.	0.236	0.486	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/29/70-10/26/76	3	0.032	0.048	0.1	0.013	0.002	0.046	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/26/76-10/26/76	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00448	CARBONATE,FIXED ENDPOINT TITRATION,(CO3) LAB MG/L	10/26/76-10/26/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00451	BICARBONATE,FIXED ENDPOINT TITR. (HCO3) LAB MG/L	10/26/76-10/26/76	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/29/70-09/28/71	2	178.	178.	192.	164.	392.	19.799	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/26/76-10/26/76	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/71-10/26/76	2	1.08	1.08	1.2	0.96	0.029	0.17	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/29/70-10/26/76	3	0.13	0.147	0.3	0.01	0.021	0.146	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/29/70-10/26/76	3	0.07	0.133	0.3	0.03	0.021	0.146	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/29/70-10/26/76	3	2.6	3.667	6.5	1.9	6.143	2.479	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-10/26/76	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/26/76-10/26/76	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/29/70-10/26/76	3	0.42	0.41	0.59	0.22	0.034	0.185	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10/26/76-10/26/76	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/26/76-10/26/76	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/26/76-10/26/76	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00918	CALCIUM,TOTAL RECOVERABLE IN WATER AS CA MG/L	09/29/70-09/28/71	2	18.	18.	19.	17.	2.	1.414	**	**	**	**
00921	MAGNESIUM,TOTAL RECOVERABLE IN WATER AS MG MG/L	09/29/70-09/28/71	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00923	SODIUM,TOTAL RECOVERABLE IN WATER AS NA MG/L	09/29/70-09/28/71	2	15.	15.	18.	12.	18.	4.243	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/26/76-10/26/76	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/26/76-10/26/76	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/26/76-10/26/76	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00939	POTASSIUM,TOTAL RECOVERABLE IN WATER AS K MG/L	09/29/70-09/28/71	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/29/70-10/26/76	3	21.	19.333	23.	14.	22.333	4.726	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/29/70-10/26/76	3	30.	27.333	35.	17.	86.333	9.292	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/26/76-10/26/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/26/76-10/26/76	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00979	COBALT,TOTAL RECOVERABLE IN WATER AS CO UG/L	09/29/70-09/28/71	2	550.	550.	900.	200.	245000.	494.975	**	**	**	**
00980	IRON,TOTAL RECOVERABLE IN WATER AS FE UG/L	09/29/70-09/28/71	2 ##	62.5	62.5	75.	50.	312.5	17.678	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/26/76-10/26/76	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/26/76-10/26/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/29/70-09/28/71	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/26/76-10/26/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/26/76-10/26/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/26/76-10/26/76	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/26/76-10/26/76	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/71-09/28/71	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/26/76-10/26/76	1 ##	65.	65.	65.	65.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/26/76-10/26/76	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01074	NICKEL,TOTAL RECOVERABLE IN WATER AS NI UG/L	09/29/70-09/28/71	2 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/26/76-10/26/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01094	ZINC,TOTAL RECOVERABLE IN WATER AS ZN UG/L	09/29/70-09/28/71	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU UG/L	09/29/70-09/28/71	2 ##	187.5	187.5	250.	125.	7812.5	88.388	**	**	**	**
01134	LITHIUM,TOTAL RECOVERABLE IN WATER AS LI UG/L	09/29/70-09/28/71	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/29/70-09/28/71	2	39200.	39200.	72000.	6400.	2151680000.	46386.205	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/29/70-09/28/71	2	4.332	4.332	4.857	3.806	0.552	0.743	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			21466.253								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/71-09/28/71	1	840.	840.	840.	840.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/71-09/28/71	1	2.924	2.924	2.924	2.924	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			840.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/29/70-09/28/71	2	2325.	2325.	4100.	550.	6301250.	2510.229	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/29/70-09/28/71	2	3.177	3.177	3.613	2.74	0.381	0.617	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1501.666								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/26/76-10/26/76	1	165.	165.	165.	165.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/26/76-10/26/76	1	140.	140.	140.	140.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/29/70-10/26/76	3	0.23	0.27	0.5	0.08	0.045	0.213	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/29/70-09/28/71	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/29/70-09/28/71	2	0.165	0.165	0.2	0.13	0.002	0.049	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0324

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0324

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU	Fresh Acute	18.	1 &	1	1.00	1	1	1.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	2	1.00	2	2	1.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0325

NPS Station ID: VAFO0325
LAT/LON: 40.166948/ -75.549171
Agency: 112WRD
Date Created: / /
Location: STONY RUN AT SPRING CITY, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472110
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 14.70
On/Off RF1:
RF3 Index: 02040203006600.00
RF3 Mile Point: 4.50
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/69-10/19/82	13	12.	11.262	17.	4.	21.401	4.626	4.32	6.	15.55	16.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/13/69-10/19/82	7	11.	11.643	20.	6.	26.893	5.186	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/13/69-10/19/82	6	3.	3.917	9.	0.7	11.818	3.438	**	**	**	**
00065	STAGE, STREAM (FEET)	10/20/81-10/20/81	1	3.16	3.16	3.16	3.16	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/69-10/19/82	12	230.	217.167	310.	109.	3807.606	61.706	121.3	165.	260.	305.5
00300	OXYGEN, DISSOLVED MG/L	10/24/74-10/19/82	7	9.8	10.314	13.	8.1	3.768	1.941	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/13/69-10/02/73	6	12.	13.	25.	4.	45.6	6.753	**	**	**	**
00400	PH (STANDARD UNITS)	11/13/69-10/19/82	13	7.2	7.254	8.7	6.5	0.414	0.644	6.5	6.75	7.65	8.46
00400	CONVERTED PH (STANDARD UNITS)	11/13/69-10/19/82	13	7.2	6.957	8.7	6.5	0.51	0.714	6.5	6.75	7.65	8.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/69-10/19/82	13	0.063	0.11	0.316	0.002	0.012	0.109	0.004	0.023	0.179	0.316
00403	PH, LAB, STANDARD UNITS SU	10/20/81-10/19/82	2	7.25	7.25	7.3	7.2	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/20/81-10/19/82	2	7.247	7.247	7.3	7.2	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/81-10/19/82	2	0.057	0.057	0.063	0.05	0.	0.009	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/31/78	5	3.6	3.54	6.1	1.6	3.243	1.801	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/19/82	7	46.	43.857	54.	27.	86.143	9.281	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/31/78	5	60.	57.2	66.	45.	68.7	8.289	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/31/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/13/69-10/09/72	5	153.	166.4	238.	137.	1706.8	41.313	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/20/77-10/20/81	3	4.2	3.433	4.3	1.8	2.003	1.415	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	6.05	6.05	7.1	5.	2.205	1.485	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/04/71-10/20/81	9	0.57	0.55	0.86	0.2	0.058	0.24	0.2	0.315	0.79	0.86
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	1.535	1.535	2.2	0.87	0.884	0.94	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	0.28	0.28	0.43	0.13	0.045	0.212	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/71-10/20/81	9	0.1	0.122	0.3	0.	0.009	0.095	0.	0.05	0.195	0.3
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	0.085	0.085	0.09	0.08	0.	0.007	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/71-10/20/81	5	0.04	0.04	0.09	0.01	0.001	0.033	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	4.15	4.15	4.7	3.6	0.605	0.778	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/13/69-10/20/81	11	3.63	3.366	6.1	0.32	3.504	1.872	0.476	1.3	5.	5.986
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	1.8	1.8	2.3	1.3	0.5	0.707	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/20/81-10/20/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/20/81	7	0.75	0.659	0.91	0.25	0.062	0.249	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/77-10/20/81	3	3.4	2.833	4.	1.1	2.343	1.531	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-10/19/82	3	4.8	4.933	6.3	3.7	1.703	1.305	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/20/81-10/19/82	2	0.49	0.49	0.52	0.46	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/71-10/20/81	9	0.25	0.307	0.52	0.19	0.018	0.133	0.19	0.21	0.46	0.52
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/81-10/19/82	2	0.17	0.17	0.19	0.15	0.001	0.028	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-10/19/82	2	0.16	0.16	0.17	0.15	0.	0.014	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/19/82	7	82.	81.571	92.	71.	43.619	6.604	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/31/78	5	36.	33.6	43.	20.	91.3	9.555	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/19/82	7	21.	20.714	23.	17.	3.905	1.976	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/06/70-10/09/72	3	18.4	19.033	20.4	18.3	1.403	1.185	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/19/82	7	7.1	7.229	8.5	6.5	0.449	0.67	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/06/70-10/09/72	3	6.6	6.7	6.9	6.6	0.03	0.173	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/06/70-10/09/72	3	15.	14.433	16.3	12.	4.863	2.205	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/19/82	7	15.	15.286	19.	13.	4.905	2.215	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/02/73-10/19/82	7	0.7	0.757	1.	0.6	0.02	0.14	**	**	**	**
00932	SODIUM, PERCENT	10/02/73-10/19/82	7	27.	27.714	35.	25.	12.238	3.498	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/19/82	7	4.	4.571	10.	2.2	6.776	2.603	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/06/70-10/09/72	3	2.1	3.95	7.85	1.9	11.418	3.379	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/19/70-10/19/82	12	18.	18.333	23.	13.	10.97	3.312	13.6	16.	21.75	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/69-10/19/82	13	29.	28.846	42.	9.	66.808	8.174	14.6	24.5	34.	40.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/19/82	8	0.1	0.106	0.3	0.05	0.007	0.082	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/19/82	8	16.	15.75	17.	14.	1.071	1.035	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/19/82	3	1.	1.	1.	1.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/09/79-11/09/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/19/82	7 ##	0.5	0.786	3.	0.	1.155	1.075	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/19/82	7 ##	0.	0.286	1.	0.	0.155	0.393	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/70-11/09/79	4 ##	62.5	61.25	100.	20.	1172.917	34.248	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/19/82	7 ##	0.	0.286	1.	0.	0.238	0.488	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/06/70-10/09/72	3 ##	100.	150.	250.	100.	7500.	86.603	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	10/20/77-10/20/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/19/82	7	2.	2.143	6.	0.	5.476	2.34	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/70-11/09/79	4 ##	125.	93.75	125.	0.	3906.25	62.5	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/06/70-10/02/73	4	285.	501.25	1310.	125.	297206.25	545.166	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/19/82	6	50.	79.333	190.	17.	4449.467	66.704	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/19/82	7	1.	2.357	8.	0.5	6.893	2.625	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/71-10/02/73	3 ##	125.	96.667	125.	40.	2408.333	49.075	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/19/82	6	35.	42.833	110.	10.	1296.167	36.002	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/19/82	7	2.	1.929	4.	0.5	1.536	1.239	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/06/70-10/09/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/19/82	7	10.	11.	20.	0.	80.333	8.963	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/70-11/09/79	4 ##	67.5	83.75	190.	10.	7956.25	89.198	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/06/70-10/09/72	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/13/69-09/28/77	7	4200.	16164.	72000.	8.	703527898.667	26524.1	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/13/69-09/28/77	7	3.623	3.223	4.857	0.903	2.119	1.456	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1669.493								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/71-10/02/73	3	1010.	1910.	4100.	620.	3635100.	1906.594	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/71-10/02/73	3	3.004	3.136	3.613	2.792	0.181	0.426	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1369.301								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/13/69-10/02/73	6	207.	969.167	4500.	0.5	3104370.467	1761.922	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/13/69-10/02/73	6	2.284	1.762	3.653	-0.301	2.822	1.68	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			57.824								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/20/77-10/19/82	4	0.075	0.063	0.1	0.	0.002	0.048	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-10/19/82	6	157.5	160.167	180.	138.	234.967	15.329	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/31/78	5	134.	138.6	159.	123.	198.3	14.082	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/19/82-10/19/82	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/19/82	7	0.21	0.213	0.24	0.18	0.001	0.023	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/04/71-10/20/81	8	0.205	0.269	0.52	0.09	0.02	0.143	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/20/81-10/19/82	2	0.36	0.36	0.55	0.17	0.072	0.269	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/20/81-10/19/82	2	18.5	18.5	21.	16.	12.5	3.536	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/20/81-10/19/82	2	0.28	0.28	0.3	0.26	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/09/79-10/20/81	2	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/20/77-10/20/81	3	18.	14.9	19.	7.7	39.13	6.255	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/81-10/20/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/09/79-11/09/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/19/70-05/04/71	3	15.	16.333	25.	9.	65.333	8.083	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	02/19/70-05/04/71	3	0.23	0.267	0.48	0.09	0.039	0.198	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0325

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	7	0	0.00									
00400	PH	Fresh Chronic	9.	13	0	0.00	10	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	13	2	0.15	10	2	0.20	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	4	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	8	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	12	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	0	0.00	10	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	8	0	0.00	8	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	7	0	0.00	7	0	0.00									
		Drinking Water	5.	7	0	0.00	7	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	7	0	0.00	7	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3 &	0	0.00	2	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	7	0	0.00	7	0	0.00									
		Drinking Water	1300.	7	0	0.00	7	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	4	0	0.00	2	0	0.00				2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	7	0	0.00	7	0	0.00									
		Drinking Water	15.	7	0	0.00	7	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	7	0	0.00									
		Drinking Water	100.	7	0	0.00	7	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	0	0.00	7	0	0.00									
		Drinking Water	5000.	7	0	0.00	7	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	1	0.33	2	1	0.50				1	0	0.00			
		Drinking Water	5000.	4	0	0.00	2	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	5	0.71	4	3	0.75	1	1	1.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	2	2	1.00				1	1	1.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/69-10/19/82	10	12.	11.23	17.	4.	21.24	4.609	4.08	6.45	15.375	16.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/69-10/19/82	9	242.	236.333	310.	165.	2794.75	52.865	165.	177.5	277.5	310.
00400	PH (STANDARD UNITS)	11/13/69-10/19/82	10	6.95	6.99	7.7	6.5	0.15	0.387	6.5	6.65	7.3	7.66
00400	CONVERTED PH (STANDARD UNITS)	11/13/69-10/19/82	10	6.947	6.854	7.7	6.5	0.17	0.413	6.5	6.65	7.3	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/69-10/19/82	10	0.113	0.14	0.316	0.02	0.012	0.108	0.023	0.05	0.229	0.316
00940	CHLORIDE,TOTAL IN WATER MG/L	02/19/70-10/19/82	9	19.	19.333	23.	16.	9.	3.	16.	16.	22.5	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/69-10/19/82	10	27.	26.2	34.	9.	50.844	7.131	10.4	23.75	31.	34.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/69-10/19/82	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/69-10/19/82	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/13/69-10/19/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/13/69-10/19/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/69-10/19/82	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/19/70-10/19/82	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/69-10/19/82	1	38.	38.	38.	38.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/69-10/19/82	2	14.55	14.55	16.1	13.	4.805	2.192	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/69-10/19/82	2	164.5	164.5	220.	109.	6160.5	78.489	**	**	**	**
00400	PH (STANDARD UNITS)	11/13/69-10/19/82	2	8.4	8.4	8.7	8.1	0.18	0.424	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/13/69-10/19/82	2	8.304	8.304	8.7	8.1	0.199	0.446	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/69-10/19/82	2	0.005	0.005	0.008	0.002	0.	0.004	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/19/70-10/19/82	2	14.	14.	15.	13.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/69-10/19/82	2	37.5	37.5	42.	33.	40.5	6.364	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0326

NPS Station ID: VAFO0326 | LAT/LON: 40.040087/ -75.550170 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 9 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_09
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 9 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0326

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0326

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0326

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0327

NPS Station ID: VAFO0327
LAT/LON: 40.051421/ -75.550560
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI75_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 300 YARDS UPSTREAM OF THE KNICKERBOCKER LANDFILL SITE AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE IMPACT OF VARIOUS INDUSTRIAL WASTE DISCHARGES ON VALLEY AND LITTLE VALLEY CREEKS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0327

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/19/75-06/19/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/19/75-06/19/75	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/19/75-06/19/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/19/75-06/19/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/19/75-06/19/75	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/19/75-06/19/75	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/19/75-06/19/75	1	354.	354.	354.	354.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/19/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/75-06/19/75	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/75-06/19/75	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/75-06/19/75	1	36.	36.	36.	36.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0327

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/19/75-06/19/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/19/75-06/19/75	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/19/75-06/19/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/75-06/19/75	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/75-06/19/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/19/75-06/19/75	1	170.	170.	170.	170.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/19/75-06/19/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0327

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0328

NPS Station ID: VAFO0328 LAT/LON: 40.051392/ -75.550837 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473155) VALLEY CREEK AT RT 202 AT MILL LANE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK AT RT 202 AT MILL LANE; USGS STATION NUMBER 01473155. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0328

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	613.	613.	613.	613.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	205.	205.	205.	205.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.027	0.027	0.027	0.027	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.065	0.065	0.065	0.065	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0328

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0328

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0329

NPS Station ID: VAFO0329
LAT/LON: 40.051392/ -75.551393
Agency: 112WRD
Date Created: 03/23/85
Location: VALLEY CREEK AT RT 401
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400305075330501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 22.20
On/Off RF1:
RF3 Index: 02040203034200.00
RF3 Mile Point: 0.12
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0329

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/12/84-10/12/84	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/12/84-10/12/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/84-10/12/84	1	640.	640.	640.	640.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/12/84-10/12/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/12/84-10/12/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/84-10/12/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/12/84-10/12/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/12/84-10/12/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/84-10/12/84	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/84-10/12/84	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/84-10/12/84	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/12/84-10/12/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/84-10/12/84	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/12/84-10/12/84	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/12/84-10/12/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/12/84-10/12/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/12/84-10/12/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/84-10/12/84	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/12/84-10/12/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/84-10/12/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/12/84-10/12/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/12/84-10/12/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/12/84-10/12/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/12/84-10/12/84	1	710.	710.	710.	710.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/84-10/12/84	1	337.	337.	337.	337.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/12/84-10/12/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0330

NPS Station ID: VAFO0330
LAT/LON: 40.051366/ -75.551726
Agency: 11NPSWRD
Date Created: 07/03/99
Location: U.S. ROUTE 202 BRIDGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_RT
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE U.S. ROUTE 202 BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0330

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/30/98-12/30/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/30/98-12/30/98	1	408.	408.	408.	408.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/30/98-12/30/98	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	12/30/98-12/30/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/30/98-12/30/98	1	8.69	8.69	8.69	8.69	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/30/98-12/30/98	1	8.69	8.69	8.69	8.69	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/30/98-12/30/98	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/30/98-12/30/98	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/30/98-12/30/98	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/30/98-12/30/98	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/30/98-12/30/98	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	12/30/98-12/30/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	12/30/98-12/30/98	1	4.16	4.16	4.16	4.16	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/98-12/30/98	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/30/98-12/30/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/30/98-12/30/98	1	2.82	2.82	2.82	2.82	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/98-12/30/98	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/30/98-12/30/98	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/30/98-12/30/98	1	256.	256.	256.	256.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	12/30/98-12/30/98	1	60.9	60.9	60.9	60.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/30/98-12/30/98	1	25.3	25.3	25.3	25.3	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/30/98-12/30/98	1	51.6	51.6	51.6	51.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0330

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937	POTASSIUM, TOTAL MG/L AS K)	12/30/98-12/30/98	1	3.31	3.31	3.31	3.31	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/30/98-12/30/98	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/30/98-12/30/98	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/98-12/30/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/98-12/30/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/30/98-12/30/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/30/98-12/30/98	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/30/98-12/30/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/98-12/30/98	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	12/30/98-12/30/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/30/98-12/30/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/30/98-12/30/98	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	12/30/98-12/30/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/30/98-12/30/98	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0330

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0331

NPS Station ID: VAFO0331 | LAT/LON: 40.051142/ -75.551865 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 34 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_34
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 34 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0331

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/27/93-07/26/93	3 ##	1.	2.9	6.7	1.	10.83	3.291	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/27/93-07/26/93	3 ##	1.	1.533	2.6	1.	0.853	0.924	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/27/93-07/26/93	3	10.8	9.7	12.1	6.2	9.61	3.1	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	04/27/93-07/26/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0331

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	3	0	0.00							3	0	0.00			
		Drinking Water	700.	3	0	0.00							3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0331

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	3	1	0.33							3	1	0.33			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	3	0	0.00							3	0	0.00			
		Drinking Water	5.	3	0	0.00							3	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	3	0	0.00							3	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	3	0	0.00							3	0	0.00			
		Drinking Water	5.	3	3	1.00							3	3	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0332

NPS Station ID: VAFO0332
LAT/LON: 40.050976/ -75.552281
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 33 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_33
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 33 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0332

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00							2	0	0.00			
		Drinking Water	700.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0332

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00							2	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0333

NPS Station ID: VAFO0333
LAT/LON: 40.051087/ -75.552337
Agency: 11NPSWRD
Date Created: 07/03/99
Location: MILL LANE BRIDGE OVER VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI85_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN ABANDONED BRIDGE (FORMERLY MILL LANE) OFF OF PENNSYLVANIA ROUTE 401 OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED AND TO DETERMINE THE IMPACT OF THE WARNER COMPANY'S CEDAR HOLLOW QUARRY DISCHARGE." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0333

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	09/19/84-09/19/84	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/19/84-11/08/84	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	09/19/84-09/19/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/19/84-09/19/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	09/19/84-09/19/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/84-11/08/84	2	422.5	422.5	445.	400.	1012.5	31.82	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/19/84-11/08/84	2	7.5	7.5	8.6	6.4	2.42	1.556	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/84-11/08/84	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/84-11/08/84	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-11/08/84	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	2	184.	184.	184.	184.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/08/84-11/08/84	1	376.	376.	376.	376.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/84-11/08/84	2	355.	355.	358.	352.	18.	4.243	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/19/84-11/08/84	2	12.	12.	18.	6.	72.	8.485	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/19/84-11/08/84	2	3.555	3.555	4.16	2.95	0.732	0.856	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/19/84-11/08/84	2	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/19/84-11/08/84	2	206.	206.	208.	204.	8.	2.828	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/08/84-11/08/84	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/08/84-11/08/84	1	22.7	22.7	22.7	22.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/84-11/08/84	2	62.	62.	74.	50.	288.	16.971	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0333

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/08/84-11/08/84	1	46.	46.	46.	46.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/19/84-11/08/84	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	09/19/84-11/08/84	2	212.5	212.5	400.	25.	70312.5	265.165	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/19/84-11/08/84	2	2.95	2.95	4.3	1.6	3.645	1.909	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0333

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	2	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0334

NPS Station ID: VAFO0334
LAT/LON: 40.051087/ -75.552587
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 0.5 MILES DOWNSTREAM OF THE FORMER GREAT VALLEY WASTEWATER COMPANY SEWAGE TREATMENT PLANT AT VALLEY CREEK ALONG ROUTE 202. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	346.	346.	346.	346.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	3.08	3.08	3.08	3.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	192.	192.	192.	192.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	66.	66.	66.	66.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	740.	740.	740.	740.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	390.	390.	390.	390.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0334

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0335

NPS Station ID: VAFO0335
LAT/LON: 40.051031/ -75.552587
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 0.5 MILES DOWNSTREAM OF GREAT VALLEY WASTEWATER COMPANY SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0335

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.072	0.072	0.072	0.072	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	2.76	2.76	2.76	2.76	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	45.6	45.6	45.6	45.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0335

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	170.	170.	170.	170.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0335

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	1	1.00				1	1	1.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0336

NPS Station ID: VAFO0336
LAT/LON: 40.036587/ -75.553198
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 8 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 8 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0336

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0336

Parameter				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0336

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0337

NPS Station ID: VAFO0337 LAT/LON: 40.055281/ -75.554476 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 19 AT VALLEY CREEK UNNAMED TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VC2_19
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 19 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0337

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0337

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0337

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0338

NPS Station ID: VAFO0338 | LAT/LON: 40.050837/ -75.554726 | Agency: 11NPSWRD | Date Created: 08/28/99
Location: (01473154) VALLEY CREEK AT MILL LANE | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_RAS_03
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT VALLEY CREEK AT MILL LANE; USGS STATION NUMBER 01473154. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0338

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	625.	625.	625.	625.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	192.	192.	192.	192.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.039	0.039	0.039	0.039	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.073	0.073	0.073	0.073	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0338

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0338

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0339

NPS Station ID: VAFO0339
LAT/LON: 40.050837/ -75.554726
Agency: 112WRD
Date Created: 03/31/84
Location: VALLEY CREEK AT MILL LANE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400303075331701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203007104.22
RF3 Mile Point: 4.39
Distance from RF3: 0.23
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/83-09/02/87	13	14.	12.569	18.	1.4	20.596	4.538	4.24	9.25	15.75	17.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/20/84-09/02/87	12	3.5	5.333	12.	1.	14.97	3.869	1.3	2.	8.75	11.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/83-09/02/87	13	560.	563.154	656.	495.	3542.641	59.52	495.	507.5	620.	649.6
00400	PH (STANDARD UNITS)	10/21/83-09/02/87	13	7.9	7.908	8.8	7.4	0.179	0.423	7.44	7.5	8.05	8.72
00400	CONVERTED PH (STANDARD UNITS)	10/21/83-09/02/87	13	7.9	7.762	8.8	7.4	0.202	0.45	7.44	7.5	8.05	8.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/83-09/02/87	13	0.013	0.017	0.04	0.002	0.	0.012	0.002	0.009	0.032	0.037
00403	PH, LAB, STANDARD UNITS SU	10/21/83-09/02/87	12	7.9	7.925	8.2	7.7	0.022	0.148	7.73	7.8	8.075	8.17
00403	CONVERTED PH, LAB, STANDARD UNITS	10/21/83-09/02/87	12	7.9	7.903	8.2	7.7	0.023	0.15	7.73	7.8	8.075	8.17
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/83-09/02/87	12	0.013	0.013	0.02	0.006	0.	0.004	0.007	0.008	0.016	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/83-03/13/85	12	174.	167.833	196.	138.	373.424	19.324	139.2	147.	182.	193.6
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/83-10/21/83	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/21/83-10/21/83	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/83-10/21/83	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/83-10/21/83	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	10/21/83-03/20/84	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/21/83-10/21/83	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/21/83-10/21/83	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/21/83-10/21/83	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/21/83-10/21/83	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/83-12/12/84	3	65.	65.667	78.	54.	144.333	12.014	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/21/83-10/21/83	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/21/83-10/21/83	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/21/83-10/21/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/02/87	6	120.	120.	150.	90.	400.	20.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/21/83-10/21/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/21/83-10/21/83	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/21/83-10/21/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/21/83-10/21/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/21/83-10/21/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/21/83-10/21/83	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/21/83-10/21/83	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/83-10/21/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/21/83-10/21/83	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/83-08/22/84	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/83-09/02/87	13	600.	587.692	870.	330.	45435.897	213.157	338.	360.	790.	854.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/83-09/02/87	12	325.	342.5	410.	305.	1070.636	32.721	305.9	320.5	367.	399.8
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/21/83-10/21/83	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/83-10/21/83	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0339

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	13	0	0.00	6	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	6	0	0.00	2	0	0.00	5	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	12	0	0.00	6	0	0.00	1	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	6	0	0.00	1	0	0.00	5	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	200.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0340

NPS Station ID: VAFO0340
LAT/LON: 40.050837/ -75.554920
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 120 YARDS UPSTREAM FROM THE FIRST BRIDGE ON MILL ROAD OFF OF ROUTE 401 AT VALLEYCREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0340

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	225.	225.	225.	225.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	520.	520.	520.	520.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0340

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	23.2	23.2	23.2	23.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0340

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0341

NPS Station ID: VAFO0341
LAT/LON: 40.050865/ -75.554920
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 4 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE U.S. ROUTE 202 BRIDGE OVER VALLEY CREEK; 0.2 MILES DOWNSTREAM OF GREAT VALLEY WASTE WATER COMPANY SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	21.6	21.6	21.6	21.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	305.	305.	305.	305.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	80.	80.	80.	80.	0.	0.	**	**	**	**
45130	ALKYL BENZENE SULFONATE (ABS) IN WATER MG/L	08/19/74-08/19/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0341

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0342

NPS Station ID: VAFO0342 | LAT/LON: 40.050948/ -75.555032 | Agency: 11NPSWRD | Date Created: 04/17/99
Location: VALLEY CREEK AT MILL LANE | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_PSU_08
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF VALLEY CREEK AND MILL LANE. DATA ARE FROM THE DRAFT REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0342

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/87-07/14/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/87-07/14/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/14/87-07/14/87	1	7.81	7.81	7.81	7.81	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/14/87-07/14/87	1	7.81	7.81	7.81	7.81	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/87-07/14/87	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/14/87-07/14/87	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/87-07/14/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/87-07/14/87	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/14/87-07/14/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/87-07/14/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/14/87-07/14/87	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0342

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0343

NPS Station ID: VAFO0343
LAT/LON: 40.050865/ -75.555337
Agency: 11NPSWRD
Date Created: 07/03/99
Location: MILL LANE BRIDGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC1_ML
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE MILL LANE BRIDGE OVER VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0343

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/07/98-12/30/98	2	8.3	8.3	11.5	5.1	20.48	4.525	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/07/98-12/30/98	2	480.	480.	500.	460.	800.	28.284	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/07/98-12/30/98	2	12.1	12.1	12.2	12.	0.02	0.141	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/30/98-12/30/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/07/98-12/30/98	2	1.	1.	1.1	0.9	0.02	0.141	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/07/98-12/30/98	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/07/98-12/30/98	2	8.25	8.25	8.3	8.2	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/07/98-12/30/98	2	8.247	8.247	8.3	8.2	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/98-12/30/98	2	0.006	0.006	0.006	0.005	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/07/98-12/30/98	2	192.	192.	200.	184.	128.	11.314	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/07/98-12/30/98	2	417.	417.	448.	386.	1922.	43.841	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/07/98-12/30/98	2	415.	415.	448.	382.	2178.	46.669	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/07/98-12/30/98	2 ##	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	01/07/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/07/98-12/30/98	2	4.985	4.985	5.01	4.96	0.001	0.035	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/07/98-12/30/98	2 ##	0.05	0.05	0.09	0.01	0.003	0.057	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/07/98-12/30/98	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/07/98-12/30/98	2	3.01	3.01	3.07	2.95	0.007	0.085	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/07/98-12/30/98	2	0.215	0.215	0.29	0.14	0.011	0.106	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/07/98-12/30/98	2	1.6	1.6	1.9	1.3	0.18	0.424	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/07/98-12/30/98	2	221.5	221.5	247.	196.	1300.5	36.062	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/07/98-12/30/98	2	57.7	57.7	58.7	56.7	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/07/98-12/30/98	2	25.8	25.8	25.9	25.7	0.02	0.141	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/07/98-12/30/98	2	54.8	54.8	65.1	44.5	212.18	14.566	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0343

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937	POTASSIUM, TOTAL MG/L AS K)	01/07/98-12/30/98	2	3.52	3.52	3.76	3.28	0.115	0.339	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/07/98-12/30/98	2	82.5	82.5	94.	71.	264.5	16.263	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/07/98-12/30/98	2	29.5	29.5	30.	29.	0.5	0.707	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/07/98-01/07/98	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/07/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/07/98-12/30/98	2	19.5	19.5	23.	16.	24.5	4.95	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/07/98-12/30/98	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/07/98-12/30/98	2	97.5	97.5	108.	87.	220.5	14.849	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/07/98-12/30/98	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/07/98-12/30/98	2	13.5	13.5	15.	12.	4.5	2.121	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/07/98-12/30/98	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/07/98-12/30/98	2 ##	21.	21.	37.	5.	512.	22.627	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/07/98-12/30/98	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	01/07/98-01/07/98	1	640.	640.	640.	640.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/07/98-12/30/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/07/98-12/30/98	2	1.5	1.5	1.8	1.2	0.18	0.424	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0343

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0344

NPS Station ID: VAFO0344 LAT/LON: 40.050865/ -75.555309 Agency: 11NPSWRD Date Created: 09/25/99
Location: VALLEY CREEK JUST DOWNSTREAM OF MILL LANE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_AG08B
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE STATION IS AT VALLEY CREEK JUST DOWNSTREAM OF MILL LANE. DATA ARE FROM A REPORT BY THE NATIONAL PARK SERVICE; "MANAGEMENT GUIDELINES FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK; PENNSYLVANIA;" JULY 1996. DATA WERE COLLECTED AND ANALYZED BY PENN STATE PERSONNEL EXCEPT FOR THE FECAL DATA WHICH WAS ANALYZED BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/21/87-08/21/87	1	9000.	9000.	9000.	9000.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/21/87-08/21/87	1	3.954	3.954	3.954	3.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9000.								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	08/21/87-08/21/87	1	590.	590.	590.	590.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	08/21/87-08/21/87	1	2.771	2.771	2.771	2.771	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			590.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0344

			Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0345

NPS Station ID: VAFO0345 LAT/LON: 40.050809/ -75.555476 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CREEK AT MILL LANE AT UPSTREAM FOOTBRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT MILL LANE AT THE UPSTREAM FOOTBRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0345

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/98-10/20/98	1	13.8	13.8	13.8	13.8	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/98-10/28/98	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/20/98-10/28/98	2	8.6	8.6	8.9	8.3	0.18	0.424	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0345

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0346

NPS Station ID: VAFO0346 LAT/LON: 40.099170/ -75.555559 Agency: 112WRD Date Created: 05/14/83
Location: PICKERING CR AT CHARLESTOWN RD BR AT CHARLESTOWN FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 014721884
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 19.50 On/Off RF1:
RF3 Index: 02040203035006.20 RF3 Mile Point: 6.52 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/69-10/11/95	28	11.	11.436	18.	4.	11.183	3.344	7.06	9.5	14.375	15.55
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/11/69-10/11/95	21	12.1	13.557	22.5	7.	17.038	4.128	7.9	10.5	16.25	19.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/11/69-10/11/95	18	13.	18.333	49.	8.	138.706	11.777	8.	10.75	24.25	41.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/83-10/06/92	10	0.75	0.78	1.3	0.4	0.111	0.333	0.4	0.475	1.05	1.29
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/69-10/11/95	28	197.5	197.571	270.	120.	1205.365	34.718	140.8	181.25	221.5	241.
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/11/95	22	11.45	11.35	13.	8.7	1.078	1.038	9.84	10.65	12.025	12.77
00340	COD, .25N K2CR2O7 MG/L	11/11/69-10/01/73	6	7.5	7.333	14.	1.	31.867	5.645	**	**	**	**
00400	PH (STANDARD UNITS)	11/11/69-10/11/95	28	7.4	7.426	8.2	6.6	0.148	0.385	6.99	7.108	7.675	8.01
00400	CONVERTED PH (STANDARD UNITS)	11/11/69-10/11/95	28	7.4	7.271	8.2	6.6	0.173	0.416	6.99	7.107	7.675	8.01
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/69-10/11/95	28	0.04	0.054	0.251	0.006	0.003	0.05	0.01	0.021	0.078	0.103
00403	PH, LAB, STANDARD UNITS SU	10/29/80-10/06/92	13	7.7	7.654	8.	7.4	0.033	0.181	7.4	7.5	7.75	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	10/29/80-10/06/92	13	7.7	7.621	8.	7.4	0.034	0.184	7.4	7.5	7.75	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/80-10/06/92	13	0.02	0.024	0.04	0.01	0.	0.009	0.011	0.018	0.032	0.04
00405	CARBON DIOXIDE (MG/L AS CO2)	10/01/73-10/30/78	6	3.3	2.983	4.3	1.3	1.842	1.357	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/73-10/02/91	17	49.	48.059	66.	34.	91.434	9.562	34.	40.5	53.5	63.6
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/06/92-10/11/95	3	54.	51.	55.	44.	37.	6.083	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/01/73-10/30/78	6	49.5	47.833	54.	41.	30.967	5.565	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/01/73-10/30/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/11/69-10/03/72	5	105.	141.2	288.	76.	7126.7	84.42	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/76-10/15/81	6	1.55	1.73	3.2	0.88	0.669	0.818	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/19/82-10/07/85	3	2.	2.1	2.4	1.9	0.07	0.265	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	12	0.375	0.518	1.6	0.1	0.2	0.447	0.103	0.155	0.765	1.402
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/11/95	15	0.02	0.027	0.12	0.005	0.001	0.032	0.005	0.008	0.03	0.096
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/71-10/15/81	11	0.03	0.037	0.1	0.005	0.001	0.035	0.005	0.01	0.07	0.098
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/11/95	15 ##	0.005	0.008	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.022
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/71-10/15/81	8	0.008	0.008	0.02	0.	0.	0.006	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/17/83	3	1.5	1.363	1.6	0.99	0.107	0.327	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/69-10/15/81	13	1.4	1.182	1.83	0.16	0.253	0.503	0.26	0.825	1.56	1.738
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/06/92	12 ##	0.2	0.271	0.9	0.	0.066	0.256	0.015	0.1	0.4	0.78
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/07/85-10/07/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/73-10/06/92	17	0.3	0.462	1.6	0.1	0.155	0.394	0.1	0.2	0.64	1.12
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/76-10/15/81	6	1.15	1.163	1.6	0.68	0.102	0.32	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/29/79-10/11/95	16	1.4	1.369	1.9	1.	0.054	0.233	1.	1.2	1.5	1.69
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/29/80-10/29/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/06/92	22	0.025	0.053	0.39	0.01	0.008	0.088	0.01	0.018	0.04	0.182
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/06/92	12	0.01	0.012	0.02	0.005	0.	0.005	0.005	0.01	0.018	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/11/95	15 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/02/96-10/02/96	1	22.	22.	22.	22.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/73-10/19/82	9	71.	69.667	79.	59.	54.25	7.365	59.	63.	76.5	79.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/01/73-10/30/78	6	27.5	29.5	40.	24.	36.3	6.025	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/01/73-10/06/92	19	20.	19.789	23.	15.	4.62	2.149	17.	19.	22.	22.
00916	CALCIUM, TOTAL (MG/L AS CA)	05/03/71-10/03/72	3	16.3	15.733	16.4	14.5	1.143	1.069	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/01/73-10/06/92	19	6.2	6.047	6.7	4.	0.396	0.629	5.4	5.6	6.4	6.7
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/03/71-10/03/72	3	4.5	4.633	5.2	4.2	0.263	0.513	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/03/71-10/03/72	3	6.9	6.533	6.9	5.8	0.403	0.635	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/01/73-10/06/92	19	7.8	7.689	9.	6.1	0.694	0.833	6.6	7.	8.4	9.
00931	SODIUM ADSORPTION RATIO	10/01/73-10/19/82	9	0.4	0.378	0.4	0.3	0.002	0.044	0.3	0.35	0.4	0.4
00932	SODIUM, PERCENT	10/01/73-10/19/82	9	17.	17.556	20.	16.	1.278	1.13	16.	17.	18.	20.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/01/73-10/06/92	19	2.1	2.211	3.5	1.5	0.223	0.472	1.7	1.9	2.5	2.8
00937	POTASSIUM, TOTAL MG/L AS K)	05/03/71-10/03/72	3	1.46	1.603	2.1	1.25	0.196	0.443	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/11/69-10/11/95	26	17.5	17.077	25.	10.	14.074	3.752	11.7	14.75	20.	22.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/69-10/06/92	24	16.5	16.958	26.	8.	12.042	3.47	13.	15.25	18.75	21.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/73-10/06/92	13	0.1	0.146	0.7	0.	0.031	0.175	0.02	0.075	0.15	0.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/01/73-10/06/92	20	18.	17.75	20.	14.	1.671	1.293	16.1	17.	18.	19.9
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/73-10/19/82	3	1.	1.5	3.	0.5	1.75	1.323	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/02/96-10/02/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/73-10/19/82	9 ##	1.	1.056	3.	0.	1.403	1.184	0.	0.	2.	3.
01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/02/96-10/02/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/02/96-10/02/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/73-10/19/82	9 ##	0.5	1.444	10.	0.	10.465	3.235	0.	0.	1.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/71-10/29/79	4 ##	50.	46.25	75.	10.	722.917	26.887	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-10/19/82	9 ##	0.	0.778	2.	0.	0.944	0.972	0.	0.	2.	2.
01037	COBALT, TOTAL (UG/L AS CO)	05/03/71-10/03/72	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/73-10/19/82	9	2.	5.222	20.	0.	46.194	6.797	0.	0.5	10.	20.
01042	COPPER, TOTAL (UG/L AS CU)	05/03/71-10/29/79	4 ##	125.	96.25	125.	10.	3306.25	57.5	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/02/96-10/02/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/03/71-10/01/73	4 ##	265.	231.25	320.	75.	11672.917	108.041	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/06/92	18	89.	106.667	180.	59.	1816.353	42.619	61.7	69.5	150.	180.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/73-10/19/82	9	3.	11.111	79.	0.5	652.299	25.54	0.5	0.75	5.5	79.
01051	LEAD, TOTAL (UG/L AS PB)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/02/96-10/02/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/02/96-10/02/96	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/71-10/01/73	4 ##	125.	103.75	125.	40.	1806.25	42.5	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/06/92	18	20.5	25.5	80.	5.	281.912	16.79	11.3	16.	32.5	44.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/73-10/19/82	9	2.	1.556	3.	0.	1.028	1.014	0.	0.5	2.	3.
01067	NICKEL, TOTAL (UG/L AS NI)	05/03/71-10/03/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/73-10/19/82	9 ##	10.	9.111	30.	0.	82.111	9.062	0.	1.	10.	30.
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/71-10/29/79	4 ##	10.	13.75	25.	10.	56.25	7.5	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/02/96-10/02/96	1	66.	66.	66.	66.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/83-10/06/92	10	15.	13.	20.	5.	56.667	7.528	5.	5.	20.	20.
01132	LITHIUM, TOTAL (UG/L AS LI)	05/03/71-10/03/72	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/29/79-10/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/02/96-10/02/96	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/11/69-10/01/73	6	1560.	7690.25	27000.	0.5	127455034.175	11289.598	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/11/69-10/01/73	6	3.059	2.629	4.431	-0.301	3.33	1.825	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			425.589								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/01/73	4	182.5	209.25	400.	72.	20088.917	141.735	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/01/73	4	2.249	2.239	2.602	1.857	0.1	0.316	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			173.55								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/11/69-10/01/73	6 ##	232.5	337.667	800.	0.5	149022.567	386.034	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/11/69-10/01/73	6 ##	1.681	1.424	2.903	-0.301	2.464	1.57	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			26.542								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-10/19/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/07/85-10/02/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/07/85-10/02/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/85-10/02/96	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/02/96-10/02/96	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/85-10/02/96	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/85-10/02/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/85-10/02/96	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/85-10/02/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/85-10/02/96	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/85-10/02/96	2 ##	0.775	0.775	1.5	0.05	1.051	1.025	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/85-10/02/96	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/07/85-10/02/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/87	13	127.	130.154	165.	113.	236.641	15.383	113.8	118.	135.	161.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/01/73-10/30/78	6	105.5	106.833	117.	101.	37.367	6.113	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/19/82-10/19/82	1	4.35	4.35	4.35	4.35	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/73-10/19/82	9	0.17	0.171	0.22	0.14	0.001	0.024	0.14	0.155	0.185	0.22
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/11/69-10/15/81	12	0.01	0.055	0.39	0.005	0.013	0.112	0.005	0.006	0.028	0.315
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/29/79-10/29/80	2	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/15/81-10/19/82	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/15/81-10/19/82	2	5.5	5.5	6.6	4.4	2.42	1.556	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/15/81-10/19/82	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/29/79-10/07/85	5	0.06	0.158	0.61	0.03	0.064	0.253	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/76-10/15/81	6	6.85	7.617	14.	3.9	12.67	3.559	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/81-10/19/82	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/29/79-10/29/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/02/96-10/02/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/03/71-10/03/72	3	4.	4.	5.	3.	1.	1.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/03/71-10/03/72	3	0.33	0.333	0.4	0.27	0.004	0.065	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/07/85-10/02/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0346

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	10	0	0.00	10	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	22	0	0.00									
00400	PH	Fresh Chronic	9.	28	0	0.00	26	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	28	0	0.00	26	0	0.00	1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	13	0	0.00									
		Other-Lo Lim.	6.5	13	0	0.00	13	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	15	0	0.00	15	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	7	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	11	0	0.00	1	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	6	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	16	0	0.00	16	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	24	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	26	0	0.00	24	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	22	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	13	0	0.00	13	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	9	0	0.00									
		Drinking Water	5.	9	0	0.00	9	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	9	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0346

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	1	0.11	9	1	0.11									
		Drinking Water	1300.	9	0	0.00	9	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	4	0	0.00	3	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	9	0	0.00									
		Drinking Water	15.	9	1	0.11	9	1	0.11									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	9	0	0.00									
		Drinking Water	5000.	9	0	0.00	9	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5000.	4	0	0.00	3	0	0.00				1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	3	0.50	4	3	0.75	1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50	3	2	0.67				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/69-10/11/95	26	11.	11.715	18.	4.	9.784	3.128	8.52	9.5	14.625	15.65
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/11/69-10/11/95	19	13.	13.742	22.5	7.	18.547	4.307	7.5	10.5	16.5	20.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/11/69-10/11/95	16	13.	16.5	49.	8.	116.4	10.789	8.	10.25	17.75	37.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/83-10/06/92	10	0.75	0.78	1.3	0.4	0.111	0.333	0.4	0.475	1.05	1.29
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/69-10/11/95	26	200.	202.	270.	130.	984.24	31.373	154.6	188.	224.	243.
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/11/95	22	11.45	11.35	13.	8.7	1.078	1.038	9.84	10.65	12.025	12.77
00400	PH (STANDARD UNITS)	11/11/69-10/11/95	26	7.4	7.413	8.1	6.6	0.129	0.359	6.97	7.123	7.625	7.93
00400	CONVERTED PH (STANDARD UNITS)	11/11/69-10/11/95	26	7.4	7.271	8.1	6.6	0.15	0.387	6.97	7.122	7.625	7.93
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/69-10/11/95	26	0.04	0.054	0.251	0.008	0.003	0.05	0.012	0.024	0.075	0.108
00403	PH, LAB, STANDARD UNITS SU	10/29/80-10/06/92	13	7.7	7.654	8.	7.4	0.033	0.181	7.4	7.5	7.75	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	10/29/80-10/06/92	13	7.7	7.621	8.	7.4	0.034	0.184	7.4	7.5	7.75	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/80-10/06/92	13	0.02	0.024	0.04	0.01	0.	0.009	0.011	0.018	0.032	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/73-10/02/91	17	49.	48.059	66.	34.	91.434	9.562	34.	40.5	53.5	63.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	11	0.47	0.55	1.6	0.1	0.206	0.454	0.102	0.15	0.78	1.468
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/11/95	15	0.02	0.027	0.12	0.005	0.001	0.032	0.005	0.008	0.03	0.096
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/71-10/15/81	11	0.03	0.037	0.1	0.005	0.001	0.035	0.005	0.01	0.07	0.098
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/11/95	15 ##	0.005	0.008	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.022
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/69-10/15/81	11	1.4	1.222	1.83	0.16	0.23	0.48	0.262	0.98	1.6	1.784
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/06/92	12 ##	0.2	0.271	0.9	0.	0.066	0.256	0.015	0.1	0.4	0.78
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/73-10/06/92	17	0.3	0.462	1.6	0.1	0.155	0.394	0.1	0.2	0.64	1.12
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/29/79-10/11/95	16	1.4	1.369	1.9	1.	0.054	0.233	1.	1.2	1.5	1.69
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/06/92	21	0.02	0.049	0.39	0.01	0.008	0.088	0.01	0.015	0.035	0.168
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/06/92	12	0.01	0.012	0.02	0.005	0.	0.005	0.005	0.01	0.018	0.02
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/11/95	15 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/73-10/19/82	9	71.	69.667	79.	59.	54.25	7.365	59.	63.	76.5	79.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/01/73-10/06/92	19	20.	19.789	23.	15.	4.62	2.149	17.	19.	22.	22.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/01/73-10/06/92	19	6.2	6.047	6.7	4.	0.396	0.629	5.4	5.6	6.4	6.7
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/01/73-10/06/92	19	7.8	7.689	9.	6.1	0.694	0.833	6.6	7.	8.4	9.
00931	SODIUM ADSORPTION RATIO	10/01/73-10/19/82	9	0.4	0.378	0.4	0.3	0.002	0.044	0.3	0.35	0.4	0.4
00932	SODIUM, PERCENT	10/01/73-10/19/82	9	17.	17.556	20.	16.	1.278	1.13	16.	17.	18.	20.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/01/73-10/06/92	19	2.1	2.211	3.5	1.5	0.223	0.472	1.7	1.9	2.5	2.8
00940	CHLORIDE,TOTAL IN WATER MG/L	11/11/69-10/11/95	24	17.5	17.	22.	10.	10.957	3.31	12.	15.	19.75	22.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/69-10/06/92	22	17.	17.409	26.	12.	9.11	3.018	14.3	15.75	19.25	21.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/73-10/06/92	13	0.1	0.146	0.7	0.	0.031	0.175	0.02	0.075	0.15	0.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/01/73-10/06/92	20	18.	17.75	20.	14.	1.671	1.293	16.1	17.	18.	19.9
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/73-10/19/82	9 ##	1.	1.056	3.	0.	1.403	1.184	0.	0.	2.	3.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/73-10/19/82	9 ##	0.5	1.444	10.	0.	10.465	3.235	0.	0.	1.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-10/19/82	9 ##	0.	0.778	2.	0.	0.944	0.972	0.	0.	2.	2.
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/73-10/19/82	9	2.	5.222	20.	0.	46.194	6.797	0.	0.5	10.	20.
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/06/92	18	89.	106.667	180.	59.	1816.353	42.619	61.7	69.5	150.	180.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/73-10/19/82	9	3.	11.111	79.	0.5	652.299	25.54	0.5	0.75	5.5	79.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/06/92	18	20.5	25.5	80.	5.	281.912	16.79	11.3	16.	32.5	44.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/73-10/19/82	9	2.	1.556	3.	0.	1.028	1.014	0.	0.5	2.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/73-10/19/82	9 ##	10.	9.111	30.	0.	82.111	9.062	0.	1.	10.	30.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/83-10/06/92	10	15.	13.	20.	5.	56.667	7.528	5.	5.	20.	20.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/87	13	127.	130.154	165.	113.	236.641	15.383	113.8	118.	135.	161.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/73-10/19/82	9	0.17	0.171	0.22	0.14	0.001	0.024	0.14	0.155	0.185	0.22
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/11/69-10/15/81	11	0.01	0.059	0.39	0.005	0.014	0.116	0.005	0.01	0.03	0.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/69-10/11/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/11/69-10/11/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/11/69-10/11/95	1	41.	41.	41.	41.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/69-10/11/95	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/11/69-10/11/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/11/69-10/11/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/69-10/11/95	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/69-10/15/81	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/11/69-10/11/95	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/69-10/06/92	1	8.	8.	8.	8.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/69-10/11/95	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/11/69-10/11/95	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/11/69-10/11/95	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/11/69-10/11/95	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/11/69-10/11/95	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/11/69-10/11/95	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/69-10/11/95	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/69-10/15/81	1	1.52	1.52	1.52	1.52	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/06/92	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/11/69-10/11/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/69-10/06/92	1	16.	16.	16.	16.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/11/69-10/15/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0347

NPS Station ID: VAFO0347 LAT/LON: 40.050809/ -75.555476 Agency: 11NPSWRD Date Created: 05/22/99
Location: VALLEY CREEK AT THE MILL LANE BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_DEP_98_02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT THE MILL LANE BRIDGE. DATA WERE SAMPLED IN 1998 BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0347

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/10/98-10/07/98	2	13.3	13.3	14.	12.6	0.98	0.99	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/10/98-10/07/98	2	7.5	7.5	7.6	7.4	0.02	0.141	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/10/98-10/07/98	2	7.765	7.765	7.88	7.65	0.026	0.163	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/10/98-10/07/98	2	7.75	7.75	7.88	7.65	0.027	0.164	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/10/98-10/07/98	2	0.018	0.018	0.022	0.013	0.	0.007	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0347

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0348

NPS Station ID: VAFO0348 LAT/LON: 40.099170/ -75.555559 Agency: 11NPSWRD Date Created: 08/15/98
Location: PICKERING CREEK AT CHARLESTOWN ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_USGS_PCCR
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE MALVERN; PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE; AND IS APPROXIMATELY 4 MILES WEST OF VALLEY FORGE NATIONAL HISTORIC PARK ON PICKERING CREEK AT CHARLESTOWN ROAD BRIDGE. THE CREEK DRAINS INTO THE SCHUYLKILL RIVER WHICH THEN FLOWS THROUGH THE PARK. THE DATA ARE FROM THE 1989 U.S.G.S. OPEN-FILE REPORT 85-686 "PHYSICAL; CHEMICAL; AND BIOLOGICAL DATA FOR SELECTED STREAMS IN CHESTER COUNTY; PENNSYLVANIA; 1969-80"; BY CRAIG R. MOORE. THE REPORT WAS PREPARED TO PROVIDE A BASE-LINE OF THE EXISTING STREAM CONDITIONS. DATA WERE PROCESSED AND UPLOADED TO STORET BY ERIC LORD AT NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525; TEL (970) 225-3514; FAX (970) 225-9965.

Parameter Inventory for Station: VAFO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/05/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/05/80	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/01/73-11/05/80	2	11.55	11.55	13.4	9.7	6.845	2.616	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/80-11/05/80	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/05/80-11/05/80	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/05/80	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/05/80-11/05/80	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/05/80-11/05/80	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/80-11/05/80	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/80-11/05/80	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/80-11/05/80	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/80-11/05/80	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	11/05/80-11/05/80	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/80-11/05/80	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	11/05/80-11/05/80	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/05/80	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/05/80	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/05/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/05/80	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/05/80-11/05/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/05/80-11/05/80	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/05/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/05/80-11/05/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/05/80-11/05/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	11/05/80-11/05/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/05/80-11/05/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/05/80-11/05/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/05/80-11/05/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/05/80-11/05/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/05/80-11/05/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/05/80	1	225.	225.	225.	225.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/80-11/05/80	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0348

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0349

NPS Station ID: VAFO0349
LAT/LON: 40.050754/ -75.555616
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 ON VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI98_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0349

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/14/98-04/14/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/98-04/14/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	1	454.	454.	454.	454.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	1	426.	426.	426.	426.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	4.88	4.88	4.88	4.88	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	199.	199.	199.	199.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	1	45.9	45.9	45.9	45.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	1	31.	31.	31.	31.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0349

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	1	912.	912.	912.	912.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	1	582.	582.	582.	582.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	1	1120.	1120.	1120.	1120.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	1	34.	34.	34.	34.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0349

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0350

NPS Station ID: VAFO0350
LAT/LON: 40.050809/ -75.555587
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 32 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI94_32
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 32 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0350

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	204.	204.	204.	204.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/12/94	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/12/94	1	22.2	22.2	22.2	22.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/12/94-01/12/94	1	74.9	74.9	74.9	74.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	01/12/94-01/12/94	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/12/94-01/12/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/12/94-01/12/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/12/94-01/12/94	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/12/94	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/12/94-01/12/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/12/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0350

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/12/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/12/94-01/12/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/12/94	1	1370.	1370.	1370.	1370.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	01/12/94-01/12/94	1	626.	626.	626.	626.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0350

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	1	1.00	1	1	1.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0351

NPS Station ID: VAFO0351
LAT/LON: 40.051031/ -75.555642
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 22 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_22
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 22 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-10/14/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-10/14/93	3	2.7	2.167	2.8	1.	1.023	1.012	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-10/14/93	3	12.	8.833	12.	2.5	30.083	5.485	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-10/14/93	3 ##	1.	0.75	1.	0.25	0.188	0.433	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-10/14/93	3 ##	1.	0.733	1.	0.2	0.213	0.462	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0351

Parameter				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	700.	3	0	0.00	2	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0351

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	3	0	0.00	2	0	0.00				1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	2	0.67	2	1	0.50				1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0352

NPS Station ID: VAFO0352 LAT/LON: 40.099476/ -75.555670 Agency: 11NPSWRD Date Created: 04/17/99
Location: PICKERING CREEK AT CHARLESTOWN ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_PSU_10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE INTERSECTION OF PICKERING CREEK AND CHARLESTOWN ROAD. DATA ARE FROM THE REPORT "BIOLOGICAL SURVEY AND MANAGEMENT PLAN FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK" (1991) WRITTEN BY JAY STAUFFER; JR.; ET AL; PENNSYLVANIA STATE UNIVERSITY; UNIVERSITY PARK; PENNSYLVANIA 16802. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE-WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0352

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/87-07/08/87	1	20.7	20.7	20.7	20.7	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/87-07/08/87	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/87-07/08/87	1	7.59	7.59	7.59	7.59	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/87-07/08/87	1	7.59	7.59	7.59	7.59	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/87-07/08/87	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	08/21/87-08/21/87	1	21000.	21000.	21000.	21000.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	08/21/87-08/21/87	1	4.322	4.322	4.322	4.322	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			21000.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	1030.	1030.	1030.	1030.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/87-08/21/87	1	3.013	3.013	3.013	3.013	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1030.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0352

			Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0352

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0353

NPS Station ID: VAFO0353
LAT/LON: 40.050865/ -75.555503
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 32 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_32
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 32 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0353

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-09/13/93	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-09/13/93	3	5.1	4.967	5.8	4.	0.823	0.907	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-09/13/93	3	29.5	27.833	33.	21.	38.083	6.171	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-09/13/93	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0353

Parameter				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	700.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0353

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	3	0	0.00	1	0	0.00				2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	2	0.67	1	0	0.00				2	2	1.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	3	0	0.00	1	0	0.00				2	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5.	3	3	1.00	1	1	1.00				2	2	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0354

NPS Station ID: VAFO0354
LAT/LON: 40.051448/ -75.555810
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 21 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 21 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0354

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0354

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0355

NPS Station ID: VAFO0355 LAT/LON: 40.050865/ -75.555865 Agency: 11NPSWRD Date Created: 09/25/99
Location: VALLEY CREEK JUST UPSTREAM OF MILL LANE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_NPS_AG08A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE STATION IS AT VALLEY CREEK JUST UPSTREAM OF MILL LANE. DATA ARE FROM A REPORT BY THE NATIONAL PARK SERVICE; "MANAGEMENT GUIDELINES FOR VALLEY CREEK; VALLEY FORGE NATIONAL HISTORICAL PARK; PENNSYLVANIA;" JULY 1996. DATA WERE COLLECTED AND ANALYZED BY PENN STATE PERSONNEL EXCEPT FOR THE FECAL DATA WHICH WAS ANALYZED BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0355

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/21/87-08/21/87	1	10200.	10200.	10200.	10200.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/21/87-08/21/87	1	4.009	4.009	4.009	4.009	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10200.								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	08/21/87-08/21/87	1	650.	650.	650.	650.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	08/21/87-08/21/87	1	2.813	2.813	2.813	2.813	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			650.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0355

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0356

NPS Station ID: VAFO0356
LAT/LON: 40.050837/ -75.555810
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 31 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_31
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 31 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0356

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-01/12/94	3	1.	1.1	1.3	1.	0.03	0.173	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-01/12/94	3	3.	2.9	5.7	0.	8.13	2.851	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-01/12/94	3 ##	0.5	0.567	1.	0.2	0.163	0.404	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-01/12/94	3	22.	23.	30.	17.	43.	6.557	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-01/12/94	3 ##	0.5	0.583	1.	0.25	0.146	0.382	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-01/12/94	3	0.6	0.7	1.	0.5	0.07	0.265	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0356

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	700.	3	0	0.00	2	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0356

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	1	0.33	2	0	0.00				1	1	1.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	3	0	0.00	2	0	0.00				1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	3	1.00	2	2	1.00				1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0357

NPS Station ID: VAFO0357
LAT/LON: 40.050837/ -75.556115
Agency: 112WRD
Date Created: 09/30/89
Location: VALLEY CR ABOVE MILL LANE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400303075332201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 22.30
On/Off RF1:
RF3 Index: 02040203034200.00
RF3 Mile Point: 0.12
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0357

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	1	641.	641.	641.	641.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	1	860.	860.	860.	860.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	1	358.	358.	358.	358.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0357

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0358

NPS Station ID: VAFO0358
LAT/LON: 40.050865/ -75.556115
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 30 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_30
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 30 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0358

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-10/14/93	2	4.	4.	4.	4.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-10/14/93	2	21.15	21.15	22.	20.3	1.445	1.202	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0358

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00	2	0	0.00									
		Drinking Water	700.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0358

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00	2	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00	2	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	2	1.00	2	2	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0359

NPS Station ID: VAFO0359 | LAT/LON: 40.050920/ -75.556477 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 29 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_29
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 29 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0359

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-10/14/93	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-10/14/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0359

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0359

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0360

NPS Station ID: VAFO0360
LAT/LON: 40.050920/ -75.556420
Agency: 11NPSWRD
Date Created: 07/03/99
Location: SEEP 2 NEAR VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI98_2A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2A IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING SEEP 2 NEAR VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0360

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/14/98-04/14/98	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/98-04/14/98	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	192.	192.	192.	192.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	1	394.	394.	394.	394.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	1	378.	378.	378.	378.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	3.03	3.03	3.03	3.03	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	193.	193.	193.	193.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	1	53.9	53.9	53.9	53.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0360

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	1	76.	76.	76.	76.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	1	530.	530.	530.	530.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0360

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00							1	1	1.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0361

NPS Station ID: VAFO0361 LAT/LON: 40.054142/ -75.556560 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 20 AT UNNAMED TRIB TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI94_20
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 20 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0361

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	01/12/94-01/12/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/12/94-01/12/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/12/94-01/12/94	1	776.	776.	776.	776.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/12/94-01/12/94	1	770.	770.	770.	770.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/12/94-01/12/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/12/94-01/12/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/12/94-01/12/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/12/94-01/12/94	1	1.86	1.86	1.86	1.86	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/94-01/12/94	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/94-01/12/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/12/94-01/12/94	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/12/94-01/12/94	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/12/94-01/12/94	1	65.4	65.4	65.4	65.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/12/94-01/12/94	1	35.5	35.5	35.5	35.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/12/94-01/12/94	1	246.	246.	246.	246.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/12/94-01/12/94	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/12/94-01/12/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/12/94-01/12/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/12/94-01/12/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/12/94-01/12/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/12/94-01/12/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/12/94-01/12/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0361

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	01/12/94-01/12/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/12/94-01/12/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/12/94-01/12/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/12/94-01/12/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/12/94-01/12/94	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0361

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0362

NPS Station ID: VAFO0362
LAT/LON: 40.050948/ -75.556754
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 28 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC2_28
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 28 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING ALONG VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0362

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-01/12/94	2 ##	1.45	1.45	1.9	1.	0.405	0.636	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-01/12/94	2	7.65	7.65	9.	6.3	3.645	1.909	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-01/12/94	2	40.75	40.75	50.	31.5	171.125	13.081	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-01/12/94	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-01/12/94	2 ##	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0362

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0362

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00	2	0	0.00									
		Drinking Water	700.	2	0	0.00	2	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00	2	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	2	1.00	2	2	1.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00	2	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	2	1.00	2	2	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0363

NPS Station ID: VAFO0363
LAT/LON: 40.050837/ -75.556865
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI76_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK IMMEDIATELY UPSTREAM OF GREAT VALLEY WASTEWATER COMPANY SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE EXTANT WATER QUALITY" OF THE VALLEY CREEK WATERSHED. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-095 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0363

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/01/76-03/01/76	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/01/76-03/01/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/01/76-03/01/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-03/01/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/01/76-03/01/76	1	276.	276.	276.	276.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/01/76-03/01/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	0.038	0.038	0.038	0.038	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/01/76-03/01/76	1	3.36	3.36	3.36	3.36	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/01/76-03/01/76	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/01/76-03/01/76	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/01/76-03/01/76	1	45.6	45.6	45.6	45.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/01/76-03/01/76	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/01/76-03/01/76	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/01/76-03/01/76	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/01/76-03/01/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0363

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	03/01/76-03/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/76-03/01/76	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/01/76-03/01/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/01/76-03/01/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/01/76-03/01/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/01/76-03/01/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/01/76-03/01/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0363

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0364

NPS Station ID: VAFO0364
LAT/LON: 40.050865/ -75.556892
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 3 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK IMMEDIATELY UPSTREAM OF GREAT VALLEY WASTE WATER COMPANY SEWAGE TREATMENT PLANT OUTFALL AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0364

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/19/74-08/19/74	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	70.	70.	70.	70.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0364

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0365

NPS Station ID: VAFO0365
LAT/LON: 40.050948/ -75.557004
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 27 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_27
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 27 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0365

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/12/94	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/12/94	1	56.	56.	56.	56.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	01/12/94-01/12/94	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0365

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0365

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0366

NPS Station ID: VAFO0366
LAT/LON: 40.050865/ -75.556948
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI78_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK UPSTREAM OF THE FORMER GREAT VALLEY WASTEWATER COMPANY SEWAGE TREATMENT PLANT AT VALLEY CREEK NEAR THE INTERSECTION OF ROUTE 401 AND U.S. ROUTE 202. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO DETERMINE THE EXTANT WATER QUALITY IN THE VALLEY CREEK WATERSHED." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/78-07/11/78	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	07/11/78-07/11/78	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	505.	505.	505.	505.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/78-07/11/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/78-07/11/78	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/11/78-07/11/78	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/78-07/11/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/78-07/11/78	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/78-07/11/78	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/11/78-07/11/78	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/11/78-07/11/78	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/78-07/11/78	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/11/78-07/11/78	1	374.	374.	374.	374.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/78-07/11/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/78-07/11/78	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/78-07/11/78	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/78-07/11/78	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/78-07/11/78	1	44.	44.	44.	44.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/78-07/11/78	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/78-07/11/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/78-07/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/78-07/11/78	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/78-07/11/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/78-07/11/78	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/78-07/11/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	07/11/78-07/11/78	1	4300.	4300.	4300.	4300.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	07/11/78-07/11/78	1	450.	450.	450.	450.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0366

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0367

NPS Station ID: VAFO0367
LAT/LON: 40.050892/ -75.557365
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 25 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC2_25
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 25 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING ALONG VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0367

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	10/14/93-10/14/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/14/93-10/14/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	10/14/93-10/14/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	10/14/93-10/14/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0367

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0367

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0368

NPS Station ID: VAFO0368
LAT/LON: 40.050948/ -75.557142
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 26 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_26
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 26 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0368

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-10/14/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-10/14/93	2	4.05	4.05	5.	3.1	1.805	1.344	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-10/14/93	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0368

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00	2	0	0.00									
		Drinking Water	700.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0368

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00	2	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00	2	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0369

NPS Station ID: VAFO0369
LAT/LON: 40.050892/ -75.557087
Agency: 11NPSWRD
Date Created: 07/03/99
Location: SEEP 1 NEAR VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_ABI98_1A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1A IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING SEEP 1 NEAR VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0369

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/14/98-04/14/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/98-04/14/98	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	194.	194.	194.	194.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	1	404.	404.	404.	404.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	1	388.	388.	388.	388.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	1	81.	81.	81.	81.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0369

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	1	1880.	1880.	1880.	1880.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	1	5.	5.	5.	5.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	1	41.	41.	41.	41.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0369

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0370

NPS Station ID: VAFO0370 LAT/LON: 40.050837/ -75.557504 Agency: 112WRD Date Created: 09/30/89
Location: VALLEY CR BELOW CONFL WITH UNNAMED TRIB FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400303075332701
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 23.10 On/Off RF1:
RF3 Index: 02040203007105.97 RF3 Mile Point: 6.40 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0370

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	1	479.	479.	479.	479.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/02/87-09/02/87	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/02/87-09/02/87	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	1	263.	263.	263.	263.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0370

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0371

NPS Station ID: VAFO0371 LAT/LON: 40.054309/ -75.557587 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 20 AT VALLEY CREEK UNNAMED TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VC2_20
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 20 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0371

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	01/12/94-01/12/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0371

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0371

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0372

NPS Station ID: VAFO0372 | LAT/LON: 40.050865/ -75.557892 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 24 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_24
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 24 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0372

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0372

Parameter				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0372

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0373

NPS Station ID: VAFO0373 LAT/LON: 40.055531/ -75.557837 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 18 AT VALLEY CREEK UNNAMED TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VC2_18
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 18 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0373

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0373

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0373

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0374

NPS Station ID: VAFO0374
LAT/LON: 40.050865/ -75.557753
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 ON VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI98_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0374

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/98-04/14/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/98-04/14/98	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/14/98-04/14/98	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/14/98-04/14/98	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/98-04/14/98	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	188.	188.	188.	188.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/14/98-04/14/98	1	352.	352.	352.	352.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/14/98-04/14/98	1	334.	334.	334.	334.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/14/98-04/14/98	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	2.61	2.61	2.61	2.61	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/14/98-04/14/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/14/98-04/14/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/14/98-04/14/98	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/98-04/14/98	1	189.	189.	189.	189.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/14/98-04/14/98	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/14/98-04/14/98	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/98-04/14/98	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/14/98-04/14/98	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/14/98-04/14/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/14/98-04/14/98	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/14/98-04/14/98	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0374

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	04/14/98-04/14/98	1	97.	97.	97.	97.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/98-04/14/98	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/14/98-04/14/98	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/14/98-04/14/98	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/98-04/14/98	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	04/14/98-04/14/98	1	106.	106.	106.	106.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/14/98-04/14/98	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/14/98-04/14/98	1	80.	80.	80.	80.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/14/98-04/14/98	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/98-04/14/98	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0374

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00							1	1	1.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0375

NPS Station ID: VAFO0375
LAT/LON: 40.050031/ -75.558476
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 5 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_05
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 30 YARDS UPSTREAM FROM THE FIRST BRIDGE OVER THE TRIBUTARY HEADING WEST ON ROUTE 401 FROM MILL LANE. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0375

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	270.	270.	270.	270.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0375

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	126.	126.	126.	126.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	22.4	22.4	22.4	22.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0375

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0376

NPS Station ID: VAFO0376 LAT/LON: 40.050281/ -75.558337 Agency: 112WRD Date Created: 09/30/89
Location: UNNAMED TRIB TO VALLEY CR BELOW RT 401 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400301075333001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 18.90 On/Off RF1:
RF3 Index: 02040203034200.00 RF3 Mile Point: 0.49 Distance from RF3: 0.21 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0376

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	1	510.	510.	510.	510.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/02/87-09/02/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/02/87-09/02/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	1	40.	40.	40.	40.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	1	285.	285.	285.	285.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0376

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0377

NPS Station ID: VAFO0377 | LAT/LON: 40.050837/ -75.558198 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 23 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_23
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 23 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0377

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	09/13/93-09/13/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0377

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0377

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0378

NPS Station ID: VAFO0378
LAT/LON: 40.050004/ -75.558616
Agency: 112WRD
Date Created: 02/23/85
Location: VALLEY CREEK TRIB AT RT 401
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400300075333101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 19.30
On/Off RF1:
RF3 Index: 02040203034200.00
RF3 Mile Point: 1.99
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0378

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/84-10/11/84	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/11/84-10/11/84	1	475.	475.	475.	475.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/84-10/11/84	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/84-10/11/84	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/84-10/11/84	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/11/84-10/11/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/11/84-10/11/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/84-10/11/84	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/84-10/11/84	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/84-10/11/84	1	276.	276.	276.	276.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0378

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0379

NPS Station ID: VAFO0379
LAT/LON: 40.050004/ -75.558503
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE ROUTE 401 BRIDGE CROSSING OF THE UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	30.	30.	30.	30.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0379

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0380

NPS Station ID: VAFO0380
LAT/LON: 40.049949/ -75.558587
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 17 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 17 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0380

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0380

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0381

NPS Station ID: VAFO0381 LAT/LON: 40.051115/ -75.559170 Agency: 112WRD Date Created: 09/30/89
Location: VALLEY CR BELOW RT 202 (LITHIUM SITE 1) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400304075333301
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 22.80 On/Off RF1:
RF3 Index: 02040203007105.97 RF3 Mile Point: 6.61 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0381

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/02/87-09/02/87	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/02/87-09/02/87	1	385.	385.	385.	385.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/02/87-09/02/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/87-09/02/87	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/87-09/02/87	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/87-09/02/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/87-09/02/87	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/87-09/02/87	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/02/87-09/02/87	1	202.	202.	202.	202.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0381

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0382

NPS Station ID: VAFO0382 LAT/LON: 40.032559/ -75.560338 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 5 AT VALLEY CREEK UNNAMED TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VC2_05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 5 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0382

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-07/26/93	2	3.6	3.6	4.	3.2	0.32	0.566	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-07/26/93	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0382

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0382

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00							2	0	0.00			
		Drinking Water	700.	2	0	0.00							2	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00							2	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0383

NPS Station ID: VAFO0383 LAT/LON: 40.038253/ -75.560670 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 6 AT VALLEY CREEK UNNAMED TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VC2_06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0383

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0383

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0383

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0384

NPS Station ID: VAFO0384 | LAT/LON: 40.051115/ -75.560866 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 16 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_16
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 16 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0384

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0384

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0385

NPS Station ID: VAFO0385 LAT/LON: 40.042504/ -75.563059 Agency: 112WRD Date Created: 02/23/85
Location: VALLEY CREEK TRIB AT CHES VAL GOLF COURSE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400233075334701
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 6.60 On/Off RF1:
RF3 Index: 02040205059502.43 RF3 Mile Point: 5.53 Distance from RF3: 0.23 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/84-10/11/84	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/11/84-10/11/84	1	445.	445.	445.	445.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/84-10/11/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/84-10/11/84	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/84-10/11/84	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/11/84-10/11/84	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/11/84-10/11/84	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/84-10/11/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/84-10/11/84	1	148.	148.	148.	148.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/84-10/11/84	1	249.	249.	249.	249.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0385

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0386

NPS Station ID: VAFO0386
LAT/LON: 40.042142/ -75.563393
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 7 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 50 YARDS UPSTREAM FROM WHERE SWEDESFORD ROAD CROSSES THE TRIBUTARY AT CHESTER VALLEY GOLF COURSE. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0386

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	142.	142.	142.	142.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	1.76	1.76	1.76	1.76	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0386

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	54.6	54.6	54.6	54.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	400.	400.	400.	400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0386

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0387

NPS Station ID: VAFO0387 LAT/LON: 40.047226/ -75.563337 Agency: 11NPSWRD Date Created: 08/28/99
Location: (01473153) UNNAMED TRIB TO VALLEY CR NEAR FRAZER FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_RAS_01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT AN UNNAMED TRIBUTARY TO VALLEY CREEK NEAR FRAZER; USGS STATION NUMBER 01473153. DATA ARE FROM A CORRESPONDENCE FROM RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY TO THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0387

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/98-09/09/98	1	18.8	18.8	18.8	18.8	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/09/98-09/09/98	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/98-09/09/98	1	569.	569.	569.	569.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/98-09/09/98	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/09/98-09/09/98	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/09/98-09/09/98	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/98-09/09/98	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/98-09/09/98	1	227.	227.	227.	227.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.028	0.028	0.028	0.028	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/09/98-09/09/98	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/09/98-09/09/98	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00636	NITROGEN, AMMONIA&ORG., DISS. 1 DET (MG/L AS N)	09/09/98-09/09/98	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/09/98-09/09/98	1	0.181	0.181	0.181	0.181	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0387

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0387

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0388

NPS Station ID: VAFO0388 LAT/LON: 40.047448/ -75.563587 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK AT CHURCH ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI94_02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION TWO IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT CHURCH ROAD. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	23.6	23.6	23.6	23.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	06/14/94-06/14/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	06/14/94-06/14/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	1	8.14	8.14	8.14	8.14	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-06/14/94	1	8.14	8.14	8.14	8.14	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/14/94-06/14/94	1	316.	316.	316.	316.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	1	292.	292.	292.	292.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/14/94-06/14/94	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	2.61	2.61	2.61	2.61	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/14/94-06/14/94	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/14/94-06/14/94	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	187.	187.	187.	187.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/14/94-06/14/94	1	62.4	62.4	62.4	62.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/14/94-06/14/94	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/94-06/14/94	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/14/94-06/14/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/14/94-06/14/94	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	602.	602.	602.	602.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/14/94-06/14/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/14/94-06/14/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/14/94-06/14/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	1610.	1610.	1610.	1610.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	06/14/94-06/14/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	06/14/94-06/14/94	1	600.	600.	600.	600.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	06/14/94-06/14/94	1	540.	540.	540.	540.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	06/14/94-06/14/94	1	580.	580.	580.	580.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/14/94-06/14/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0388

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0389

NPS Station ID: VAFO0389
LAT/LON: 40.036670/ -75.563892
Agency: 112WRD
Date Created: 12/10/94
Location: SP- 48
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 400212075335001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0389

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	498.	498.	498.	498.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/13/94-06/13/94	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/13/94-06/13/94	1	7.22	7.22	7.22	7.22	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/13/94-06/13/94	1	7.22	7.22	7.22	7.22	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	06/13/94-06/13/94	1	196.	196.	196.	196.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/13/94-06/13/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/13/94-06/13/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/13/94-06/13/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/13/94-06/13/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/13/94-06/13/94	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/13/94-06/13/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/13/94-06/13/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/13/94-06/13/94	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/94-06/13/94	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/13/94-06/13/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/13/94-06/13/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/13/94-06/13/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/13/94-06/13/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/13/94-06/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/13/94-06/13/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/13/94-06/13/94	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/13/94-06/13/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/13/94-06/13/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/13/94-06/13/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/13/94-06/13/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/13/94-06/13/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/13/94-06/13/94	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/13/94-06/13/94	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/13/94-06/13/94	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

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Parameter Inventory for Station: VAFO0389

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01130	LITHIUM, DISSOLVED (UG/L AS LI)	06/13/94-06/13/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/13/94-06/13/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/13/94-06/13/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
76002	RADON 222,1 SIGMA PRC EST,TOTAL,WATER PC/L	06/13/94-06/13/94	1	25.	25.	25.	25.	0.	0.	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77652	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET*WHOLE WATER,UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81551	XYLENE WHL WATER SMPL UG/L	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82303	RADON 222, TOTAL IN WATER PC/L	06/13/94-06/13/94	1	570.	570.	570.	570.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0389

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0389

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00							1	0	0.00			
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0390

NPS Station ID: VAFO0390
LAT/LON: 40.052115/ -75.564032
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 15 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): VAFO_VC2_15
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 15 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT A SPRING ALONG VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0390

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0390

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0391

NPS Station ID: VAFO0391 | LAT/LON: 40.046976/ -75.564198 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: HEADWATER TRIB AT CHESTER VALLEY GOLF CLUB | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_CHS_VC4
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. SAMPLES WERE TAKEN FROM A HEADWATER TRIBUTARY OF VALLEY CREEK AT THE CHESTER VALLEY GOLF CLUB. DATA ARE FROM A SERIES OF VALLEY CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0391

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/03/72-10/03/72	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/72-10/03/72	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/03/72-10/03/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/03/72-10/03/72	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/03/72-10/03/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/03/72-10/03/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/03/72-09/27/78	2	517.5	517.5	525.	510.	112.5	10.607	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/03/72-09/27/78	2	13.25	13.25	13.5	13.	0.125	0.354	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/03/72-09/27/78	2	7.525	7.525	8.	7.05	0.451	0.672	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/03/72-09/27/78	2	7.305	7.305	8.	7.05	0.548	0.74	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/03/72-09/27/78	2	0.05	0.05	0.089	0.01	0.003	0.056	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/03/72-09/27/78	2	160.	160.	180.	140.	800.	28.284	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	2	0.013	0.013	0.023	0.002	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-09/27/78	2	1.775	1.775	2.6	0.95	1.361	1.167	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/72-09/27/78	2	0.715	0.715	0.83	0.6	0.026	0.163	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/03/72-10/03/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/03/72-10/03/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/03/72-09/27/78	2	150.	150.	250.	50.	20000.	141.421	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/03/72-10/03/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0391

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/03/72-09/27/78	2	4950.	4950.	8100.	1800.	19845000.	4454.773	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/03/72-09/27/78	2	134.	134.	168.	100.	2312.	48.083	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/03/72-09/27/78	2	69.5	69.5	110.	29.	3280.5	57.276	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/03/72-09/27/78	2	1.85	1.85	2.42	1.28	0.65	0.806	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	10/03/72-10/03/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0391

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0392

NPS Station ID: VAFO0392 LAT/LON: 40.046670/ -75.564170 Agency: 112WRD Date Created: 02/23/85
Location: VALLEY CREEK TRIB AT CHURCH RD AND RR BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 400248075335101
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 16.50 On/Off RF1:
RF3 Index: 02040203034200.00 RF3 Mile Point: 0.62 Distance from RF3: 0.27 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/84-10/11/84	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/11/84-10/11/84	1	460.	460.	460.	460.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/11/84-10/11/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/11/84-10/11/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/84-10/11/84	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/11/84-10/11/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/11/84-10/11/84	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/84-10/11/84	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/84-10/11/84	1	164.	164.	164.	164.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/84-10/11/84	1	262.	262.	262.	262.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0392

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0393

NPS Station ID: VAFO0393
LAT/LON: 40.047032/ -75.564309
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 7 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 7 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0393

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-07/26/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0393

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00							2	0	0.00			
		Drinking Water	700.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0393

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00							2	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00							2	0	0.00			
		Drinking Water	5.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0394

NPS Station ID: VAFO0394
LAT/LON: 40.044476/ -75.564782
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 6 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_06
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 6 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 50 YARDS DOWNSTREAM FROM WHERE SWEDESFORD ROAD CROSSES THE TRIBUTARY AT CHESTER VALLEY GOLF COURSE. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	415.	415.	415.	415.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	152.	152.	152.	152.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	1.43	1.43	1.43	1.43	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	800.	800.	800.	800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0394

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0395

NPS Station ID: VAFO0395 LAT/LON: 40.052088/ -75.564671 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 3 AT UNNAMED TRIB TO VALLEY CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI94_03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION THREE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0395

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	18.8	18.8	18.8	18.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	430.	430.	430.	430.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	06/14/94-06/14/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	06/14/94-06/14/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	1	8.26	8.26	8.26	8.26	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-06/14/94	1	8.26	8.26	8.26	8.26	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	206.	206.	206.	206.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/14/94-06/14/94	1	298.	298.	298.	298.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/14/94-06/14/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	3.69	3.69	3.69	3.69	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/14/94-06/14/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/14/94-06/14/94	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	208.	208.	208.	208.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/14/94-06/14/94	1	52.5	52.5	52.5	52.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/14/94-06/14/94	1	26.3	26.3	26.3	26.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/94-06/14/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0395

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/14/94-06/14/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/14/94-06/14/94	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	528.	528.	528.	528.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/14/94-06/14/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/14/94-06/14/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/14/94-06/14/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	06/14/94-06/14/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	06/14/94-06/14/94	1	2100.	2100.	2100.	2100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	06/14/94-06/14/94	1	640.	640.	640.	640.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	06/14/94-06/14/94	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/14/94-06/14/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0395

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0396

NPS Station ID: VAFO0396
LAT/LON: 40.051948/ -75.564727
Agency: 112WRD
Date Created: 08/24/85
Location: VALLEY CREEK AT MOORES ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400307075335301
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203034000.00
RF3 Mile Point: 0.46
Distance from RF3: 0.24
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0396

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/85-03/13/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/85-03/13/85	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/85-03/13/85	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/13/85-03/13/85	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/13/85-03/13/85	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/85-03/13/85	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/13/85-03/13/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/13/85-03/13/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/85-03/13/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/85-03/13/85	1	168.	168.	168.	168.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/13/85-03/13/85	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/13/85-03/13/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/13/85-03/13/85	1	249.	249.	249.	249.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0396

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0397

NPS Station ID: VAFO0397 | LAT/LON: 40.093003/ -75.565003 | Agency: 11NPSWRD | Date Created: 05/23/98
Location: PACH537R | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): VAFO_NURE_1 /4070006
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE SITE IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS A SPRING AND WAS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLES WERE FILTERED THROUGH A LESS THAN OR EQUAL TO 0.8 UM FILTER AT THE SITE. DATA WERE FROM "U.S. GEOLOGICAL SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDED STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY SAVANNAH RIVER LABORATORY. THE DATA WERE PROCESSED AND UPLOADED TO STORET BY KELLI O'CONNOR; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516; FAX 970-225-9965).

Parameter Inventory for Station: VAFO0397

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/77-06/28/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/77-06/28/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/77-06/28/77	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/77-06/28/77	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/77-06/28/77	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/77-06/28/77	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/28/77-06/28/77	1	5.12	5.12	5.12	5.12	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/77-06/28/77	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/28/77-06/28/77	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/28/77-06/28/77	1	49.	49.	49.	49.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/77-06/28/77	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/28/77-06/28/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/28/77-06/28/77	1	4500.	4500.	4500.	4500.	0.	0.	**	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/28/77-06/28/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0397

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0398

NPS Station ID: VAFO0398
LAT/LON: 40.052171/ -75.565003
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 3 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 50 YARDS UPSTREAM FROM THE BRIDGE OVER VALLEY CREEK ON THE CONESTOGA SCHOOL ACCESS ROAD OFF OF ROUTE 401. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0398

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0398

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0398

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0399

NPS Station ID: VAFO0399
LAT/LON: 40.052226/ -75.565477
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 14 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 14 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0399

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	08/16/93-08/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0399

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0399

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0400

NPS Station ID: VAFO0400
LAT/LON: 40.031337/ -75.565948
Agency: 11NPSWRD
Date Created: 07/03/99
Location: IMMACULATA COLLEGE STP DISCHARGE
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI91_0
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040202
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELEWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040202
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK AT THE IMMACULATA COLLEGE SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "ASSESS IMPACTS TO THE STREAM FROM THE IMMACULATA COLLEGE SEWAGE TREATMENT PLANT." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/91-03/21/91	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/21/91-03/21/91	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/91-03/21/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/21/91-03/21/91	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/21/91-03/21/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/21/91-03/21/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/91-03/21/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/91-03/21/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/91-03/21/91	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/21/91-03/21/91	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	03/21/91-03/21/91	1	15.7	15.7	15.7	15.7	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/91-03/21/91	1	36.	36.	36.	36.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	03/21/91-03/21/91	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	03/21/91-03/21/91	1	900.	900.	900.	900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0400

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	1	1.00				1	1	1.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0401

NPS Station ID: VAFO0401
LAT/LON: 40.031003/ -75.565837
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI91_2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040202
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELEWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040202
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION TWO IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK 10 METERS DOWNSTREAM OF THE IMMACULATA COLLEGE SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "ASSESS IMPACTS TO THE STREAM FROM THE IMMACULATA COLLEGE SEWAGE TREATMENT PLANT." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0401

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/91-03/21/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/21/91-03/21/91	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/91-03/21/91	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/21/91-03/21/91	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/21/91-03/21/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/21/91-03/21/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/91-03/21/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/91-03/21/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/91-03/21/91	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/21/91-03/21/91	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	2.97	2.97	2.97	2.97	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/21/91-03/21/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/91-03/21/91	1	28.	28.	28.	28.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	03/21/91-03/21/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	03/21/91-03/21/91	1	43000.	43000.	43000.	43000.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/21/91-03/21/91	1	220.	220.	220.	220.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	03/21/91-03/21/91	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0401

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0402

NPS Station ID: VAFO0402 LAT/LON: 40.031142/ -75.565753 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 3 AT VALLEY CREEK UNNAMED TRIBUTARY FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_VC2_03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040202 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040202 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 3 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0402

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0402

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0402

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0403

NPS Station ID: VAFO0403
LAT/LON: 40.031587/ -75.566142
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT UNNAMED TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI91_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040202
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELEWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040202
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION ONE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY TO VALLEY CREEK 10 METERS UPSTREAM OF THE IMMACULATA COLLEGE SEWAGE TREATMENT PLANT OUTFALL. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "ASSESS IMPACTS TO THE STREAM FROM THE IMMACULATA COLLEGE SEWAGE TREATMENT PLANT." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORIC PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/91-03/21/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/21/91-03/21/91	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/91-03/21/91	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/21/91-03/21/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/91-03/21/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/21/91-03/21/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/91-03/21/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/91-03/21/91	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/21/91-03/21/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/21/91-03/21/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/21/91-03/21/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/91-03/21/91	1	20.	20.	20.	20.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	03/21/91-03/21/91	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	03/21/91-03/21/91	1	100.	100.	100.	100.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	03/21/91-03/21/91	1	230.	230.	230.	230.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	03/21/91-03/21/91	1	40.	40.	40.	40.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0403

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00				1	0	0.00						
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0404

NPS Station ID: VAFO0404
LAT/LON: 40.031587/ -75.566116
Agency: 11NPSWRD
Date Created: 07/03/99
Location: IMMACULATA TRIBUTARY
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI_IT
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040202
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040202
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE IMMACULATA TRIBUTARY. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0404

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/94-12/14/94	10	13.15	12.04	15.8	0.5	19.756	4.445	1.38	11.4	14.775	15.75
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/10/94-12/14/94	10	160.	149.5	190.	35.	1785.833	42.259	45.5	147.5	166.25	188.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/94-11/15/94	7	8.7	8.857	10.	8.2	0.426	0.653	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-12/14/94	18	0.4	0.611	1.2	0.2	0.134	0.366	0.2	0.4	0.9	1.2
00340	COD, .25N K2CR2O7 MG/L	04/29/93-12/14/94	18 ##	5.	7.611	17.	5.	20.016	4.474	5.	5.	11.75	16.1
00406	PH, FIELD, STANDARD UNITS SU	04/28/94-12/14/94	9	6.3	6.353	7.01	6.02	0.088	0.297	6.02	6.15	6.49	7.01
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/28/94-12/14/94	9	6.3	6.283	7.01	6.02	0.094	0.306	6.02	6.15	6.49	7.01
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/94-12/14/94	9	0.501	0.521	0.955	0.098	0.068	0.261	0.098	0.331	0.711	0.955
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	19.	19.667	32.	10.	20.118	4.485	15.4	17.	21.	24.8
00500	RESIDUE, TOTAL (MG/L)	04/29/93-12/14/94	18	169.	178.333	364.	112.	2920.588	54.042	135.4	151.5	185.5	252.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-12/14/94	17	152.	152.529	200.	44.	1155.515	33.993	108.	145.	174.5	187.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-12/14/94	17	6.	27.706	240.	1.	3407.346	58.372	1.	1.	29.	102.4
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-12/14/94	14 ##	0.2	0.186	0.4	0.1	0.006	0.077	0.1	0.1	0.2	0.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.01	0.021	0.12	0.01	0.001	0.027	0.01	0.01	0.02	0.057
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18 ##	0.002	0.003	0.014	0.002	0.	0.003	0.002	0.002	0.004	0.007
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-12/14/94	18	5.21	4.898	6.05	0.52	1.555	1.247	3.139	4.6	5.443	5.834
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-12/14/94	18 ##	0.1	0.204	0.87	0.1	0.04	0.201	0.1	0.1	0.29	0.537
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-12/14/94	18	0.03	0.04	0.14	0.01	0.001	0.035	0.01	0.02	0.04	0.122
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-12/14/94	17 ##	0.5	0.694	3.3	0.5	0.466	0.682	0.5	0.5	0.5	1.46
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-12/14/94	18	66.5	85.444	448.	15.	8350.144	91.379	55.5	65.	70.25	111.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/26/94-08/17/94	4	16.15	16.15	18.4	13.9	3.75	1.936	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-12/14/94	18	17.1	16.444	19.9	6.3	7.621	2.761	13.95	16.225	17.3	18.82
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/26/94-08/17/94	4	5.9	5.825	6.3	5.2	0.269	0.519	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-12/14/94	18	5.95	5.889	7.9	1.6	1.427	1.195	5.2	5.7	6.425	6.64

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0404

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-12/14/94	18	26.	25.278	30.	9.	20.801	4.561	19.8	24.75	27.	29.1
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-12/14/94	18	12.	11.722	13.	4.	4.095	2.024	10.3	12.	13.	13.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/10/94-12/14/94	9 ##	0.1	0.091	0.1	0.02	0.001	0.027	0.02	0.1	0.1	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-12/14/94	18 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/10/94-12/14/94	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-11/22/93	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-12/14/94	18 ##	2.	2.444	10.	2.	3.556	1.886	2.	2.	2.	2.8
01040	COPPER, DISSOLVED (UG/L AS CU)	03/10/94-12/14/94	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-12/14/94	18 ##	5.	7.611	25.	5.	27.193	5.215	5.	5.	11.	14.2
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-12/14/94	18	111.5	635.389	6090.	5.	2075613.781	1440.699	27.5	52.75	385.	2049.
01046	IRON, DISSOLVED (UG/L AS FE)	03/10/94-12/14/94	9	13.	29.778	103.	5.	1260.944	35.51	5.	5.	59.	103.
01049	LEAD, DISSOLVED (UG/L AS PB)	03/10/94-12/14/94	9 ##	0.5	1.167	2.	0.5	0.625	0.791	0.5	0.5	2.	2.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-12/14/94	18 ##	2.	2.889	12.	0.5	8.31	2.883	0.5	2.	2.	7.5
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-12/14/94	18 ##	8.	29.5	205.	5.	2571.794	50.713	5.	5.	21.75	105.1
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/10/94-12/14/94	9 ##	5.	7.	16.	5.	16.75	4.093	5.	5.	8.5	16.
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/10/94-12/14/94	10 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-12/14/94	18 ##	12.5	14.361	46.	12.5	62.347	7.896	12.5	12.5	12.5	15.85
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/10/94-12/14/94	10	11.5	14.2	43.	5.	145.511	12.063	5.	5.	22.	40.9
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-12/14/94	18	15.	16.056	47.	5.	130.761	11.435	5.	5.	17.5	37.1
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-12/14/94	18	210.5	586.444	4870.	67.5	1290321.026	1135.923	67.5	118.125	400.25	1684.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/10/94-12/14/94	10 ##	67.5	74.85	141.	67.5	540.225	23.243	67.5	67.5	67.5	133.65
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-11/22/93	8	1400.	2175.	10000.	100.	10553571.429	3248.626	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-11/22/93	8	55.	132.5	650.	10.	46335.714	215.257	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-11/22/93	8 ##	10.	18.125	60.	5.	313.839	17.716	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/26/94-08/17/94	4 ##	0.3	0.3	0.5	0.1	0.053	0.231	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-12/14/94	18 ##	0.1	0.122	0.3	0.1	0.004	0.065	0.1	0.1	0.1	0.3
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-12/14/94	18	1.9	7.372	70.	0.5	282.013	16.793	0.5	0.5	5.525	31.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0404

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00				5	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00	4	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	9	7	0.78	4	2	0.50				5	5	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	250.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	5.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	5.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	18	1	0.06	7	0	0.00	1	0	0.00	10	1	0.10			
		Drinking Water	1300.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	15.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0404

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	100.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	5000.	10	0	0.00	4	0	0.00	1	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	5000.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	8	0	0.00	3	0	0.00				5	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00							4	0	0.00			
		Drinking Water	2.	4	0	0.00							4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
		Drinking Water	2.	18	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	18	1	0.06	7	1	0.14	1	0	0.00	10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0405

NPS Station ID: VAFO0405 | LAT/LON: 40.037227/ -75.566420 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 4 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_04
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 4 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0405

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0405

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0405

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0406

NPS Station ID: VAFO0406 | LAT/LON: 40.140948/ -75.568115 | Agency: 11NPSWRD | Date Created: 05/02/98
Location: FRENCH CREEK AT HARES HILL ROAD (SR1045) | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): HOFU_BOYER_08
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK AT HARES HILL ROAD (SR1045); RIVER MILE 4.62. THE CREEK WAS SAMPLED AS PART OFA STUDY BY THE NPS AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION TO ASSESS NON-POINT SOURCE POLLUTION IN FRENCH CREEK AND TO DOCUMENT OVERALL WATER QUALITY IN THE BASIN. DATA WERE PUBLISHED IN THE REPORT "AQUATIC BIOLOGY INVESTIGATION; FRENCH CREEK/CHESTER COUNTY; NPS SURVEY" BY MICHAEL R. BOYER (1993). THE REPORT STATED; "CHEMICAL PARAMETERS INDICATED A TRANSITION TO A WARM WATER FISHERY. COLIFORM CONCENTRATION AND FECAL STREP WERE ELEVATED; PROBABLY MORE FROM AGRICULTURE THAN THAN HUMAN SOURCES..STREAM CONDITIONS WERE GOOD AND THE TSF DESIGNATION FOR THIS REACH WAS ATTAINED. A LACK OF PHYSICAL HABITAT KEPT THE NUMBERS OF HOLDOVER TROUT LOW." DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0406

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	1	138.	138.	138.	138.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	1	8.44	8.44	8.44	8.44	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/09/91-07/09/91	1	8.44	8.44	8.44	8.44	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/91-07/09/91	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	1.11	1.11	1.11	1.11	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0406

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	1	433.	433.	433.	433.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	1	665.	665.	665.	665.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/09/91-07/09/91	1	3.415	3.415	3.415	3.415	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2600.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	750.	750.	750.	750.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	2.875	2.875	2.875	2.875	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			750.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	1	300.	300.	300.	300.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/09/91-07/09/91	1	2.477	2.477	2.477	2.477	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			300.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0406

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0407

NPS Station ID: VAFO0407
LAT/LON: 40.053420/ -75.568198
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 13 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 13 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0407

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0407

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0407

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0408

NPS Station ID: VAFO0408 | LAT/LON: 40.053170/ -75.568809 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 12 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_12
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 12 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0408

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	07/26/93-07/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	07/26/93-07/26/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0408

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0408

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0409

NPS Station ID: VAFO0409 LAT/LON: 40.141392/ -75.569420 Agency: 11NPSWRD Date Created: 09/25/99
Location: N. END OF KIMBERTON NEAR KIMBERTON FARM SCHOOL FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_KIM
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT FRENCH CREEK AT THE NORTH END OF KIMBERTON NEAR KIMBERTON FARM SCHOOL. DATA ARE FROM A SERIES OF FRENCH CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80526-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0409

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/08/94-10/08/94	24	12.	11.825	14.	8.5	1.764	1.328	9.55	11.05	12.5	13.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/94-10/06/94	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/06/94-10/08/94	25	9.5	9.22	11.	7.	1.168	1.081	7.	8.75	10.	10.
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/08/94-10/08/94	24	87.	84.542	98.	65.	102.259	10.112	66.	77.25	93.	96.
00406	PH, FIELD, STANDARD UNITS SU	10/06/94-10/06/94	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/94-10/06/94	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/94-10/06/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/94-10/06/94	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/06/94-10/06/94	1	1.26	1.26	1.26	1.26	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/94-10/06/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/06/94-10/06/94	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/06/94-10/06/94	1	115.	115.	115.	115.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/06/94-10/06/94	1	105.	105.	105.	105.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0409

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	25	0	0.00	25	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0410

NPS Station ID: VAFO0410
LAT/LON: 40.101392/ -75.571392
Agency: 112WRD
Date Created: / /
Location: PICKERING CREEK AT CHARLESTOWN, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472188
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203035011.08
RF3 Mile Point: 11.79
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0410

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0411

NPS Station ID: VAFO0411
LAT/LON: 40.043059/ -75.575005
Agency: 112WRD
Date Created: 12/22/84
Location: VALLEY CREEK NR SWEDESFORD ROAD
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 400235075343001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 16.70
On/Off RF1:
RF3 Index: 02040203034200.00
RF3 Mile Point: 1.70
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0411

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/84-10/11/84	2	14.75	14.75	16.	13.5	3.125	1.768	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/22/84-10/11/84	2	0.4	0.4	0.6	0.2	0.08	0.283	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/84-10/11/84	2	465.	465.	475.	455.	200.	14.142	**	**	**	**
00400	PH (STANDARD UNITS)	08/22/84-10/11/84	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/22/84-10/11/84	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/84-10/11/84	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/22/84-10/11/84	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/22/84-10/11/84	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/84-10/11/84	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/84-10/11/84	2	144.5	144.5	146.	143.	4.5	2.121	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/84-08/22/84	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/22/84-08/22/84	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/84-10/11/84	2	293.	293.	322.	264.	1682.	41.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0411

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0412

NPS Station ID: VAFO0412 LAT/LON: 40.043087/ -75.575309 Agency: 11NPSWRD Date Created: 07/03/99
Location: STATION 1 AT VALLEY CREEK AT SWEDESFORD ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI94_01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION ONE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK AT SWEDESFORD ROAD. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0412

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	19.3	19.3	19.3	19.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	430.	430.	430.	430.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	06/14/94-06/14/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	1	8.21	8.21	8.21	8.21	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-06/14/94	1	8.21	8.21	8.21	8.21	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/14/94-06/14/94	1	346.	346.	346.	346.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	1	322.	322.	322.	322.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/14/94-06/14/94	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/14/94-06/14/94	1	1.68	1.68	1.68	1.68	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/14/94-06/14/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/14/94-06/14/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/14/94-06/14/94	1	65.7	65.7	65.7	65.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/14/94-06/14/94	1	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/14/94-06/14/94	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	36.	36.	36.	36.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0412

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/14/94-06/14/94	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/14/94-06/14/94	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	495.	495.	495.	495.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/14/94-06/14/94	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/14/94-06/14/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/14/94-06/14/94	1	76.	76.	76.	76.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	3810.	3810.	3810.	3810.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	06/14/94-06/14/94	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	06/14/94-06/14/94	1	2300.	2300.	2300.	2300.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	06/14/94-06/14/94	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	06/14/94-06/14/94	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/14/94-06/14/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/14/94-06/14/94	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0412

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	1	1.00							1	1	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0413

NPS Station ID: VAFO0413 LAT/LON: 40.141392/ -75.575559 Agency: 11NPSWRD Date Created: 04/25/98
Location: FRENCH CK AT KIMBERTON-WALDORF SCHOOL FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_PADEP_16FC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK ADJACENT TO KIMBERTON-WALDORF SCHOOL AND 100 YARDS DOWNSTREAM OF T-522 BRIDGE. THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION/BUREAU OF WATERSHED CONSERVATION IN RESPONSE TO A PETITION BY THE GREEN VALLEYS ASSOCIATION FOR REDESIGNATION OF THE FRENCH CREEK-CHESTER COUNTY DRAINAGE BASIN TO EXCEPTIONAL VALUE WATERS STATUS. DATA WERE PUBLISHED IN THE REPORT "FRENCH CREEK; CHESTER COUNTY; SPECIAL PROTECTION EVALUATION REPORT WATER QUALITY STANDARDS REVIEW; SEGMENT: BASIN - FROM THE HEADWATERS TO THE JUNCTION OF THE WEST VINCENT; EAST VINCENT AND EAST PIKELAND TOWNSHIP BORDERS" BY THE BUREAU OF WATERSHED CONSERVATION (1996). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0413

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/95-05/26/95	1	17.7	17.7	17.7	17.7	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/26/95-05/26/95	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/26/95-05/26/95	1	154.	154.	154.	154.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/26/95-05/26/95	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/95-05/26/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/95-05/26/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/95-05/26/95	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/26/95-05/26/95	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/26/95-05/26/95	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/95-05/26/95	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/95-05/26/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/95-05/26/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	1	1.27	1.27	1.27	1.27	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/95-05/26/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/95-05/26/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	1	52.	52.	52.	52.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0413

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	05/26/95-05/26/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/26/95-05/26/95	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/95-05/26/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/95-05/26/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/26/95-05/26/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/26/95-05/26/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/26/95-05/26/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/26/95-05/26/95	1	326.	326.	326.	326.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/26/95-05/26/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/26/95-05/26/95	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/26/95-05/26/95	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/95-05/26/95	1	200.	200.	200.	200.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/95-05/26/95	1	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			200.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/26/95-05/26/95	1	110.	110.	110.	110.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0413

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0414

NPS Station ID: VAFO0414 LAT/LON: 40.140588/ -75.576643 Agency: 11NPSWRD Date Created: 05/09/98
Location: FRENCH CK 200 FT DWNSTRM SEVEN STARS RD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_PSU_4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION ON FRENCH CREEK 200 FEET DOWNSTREAM FROM HIGHWAY BRIDGE ON SEVEN STARS ROAD; APPROXIMATELY 4500 FEET NORTHWEST OF KIMBERTON. THE SITE WAS LOCATED BETWEEN HOPEWELL FURNACE NATIONAL HISTORIC SITE (HOFU) AND VALLEY FORGE NATIONAL HISTORIC PARK (VAFO). DATA WERE PUBLISHED IN THE DOCTORAL DISSERTATION "A STUDY OF THE RELATIONSHIP BETWEEN CHEMICAL WATER QUALITY AND FISH AND BENTHIC MACROINVERTEBRATE DIVERSITY IN FRENCH CREEK; CHESTER COUNTY; PENNSYLVANIA" BY RALPH D. HEISTER JR. AT THE PENNSYLVANIA STATE UNIVERSITY DEPARTMENT OF BIOLOGY (1971). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0414

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/31/69-04/15/70	101	8.5	11.047	23.	0.	75.421	8.685	0.	1.5	19.5	21.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/31/69-04/15/70	101	12.	7.942	25.5	-10.	139.602	11.815	3.2	-5.	19.5	22.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/15/69-04/15/70	4	73.5	93.5	210.	17.	6745.667	82.132	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	07/15/69-04/15/70	4	27.5	51.25	135.	15.	3189.583	56.476	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/31/69-04/15/70	101	130.	128.485	168.	100.	211.872	14.556	106.4	117.	135.5	148.
00300	OXYGEN, DISSOLVED MG/L	03/31/69-04/15/70	101	11.7	10.649	13.8	7.4	5.563	2.359	7.7	8.	13.	13.48
00310	BOD, 5 DAY, 20 DEG C MG/L	07/15/69-04/15/70	4	1.45	1.475	2.4	0.6	1.023	1.011	**	**	**	**
00400	PH (STANDARD UNITS)	03/31/69-04/15/70	101	7.4	7.267	8.1	6.4	0.268	0.518	6.42	6.75	7.7	7.8
00400	CONVERTED PH (STANDARD UNITS)	03/31/69-04/15/70	101	7.4	6.958	8.1	6.4	0.364	0.604	6.42	6.75	7.7	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/69-04/15/70	101	0.04	0.11	0.398	0.008	0.017	0.132	0.016	0.02	0.179	0.382
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/69-04/15/70	100	32.5	36.82	55.	25.	75.482	8.688	30.	30.	45.	50.
00500	RESIDUE, TOTAL (MG/L)	07/15/69-04/15/70	4	155.	157.5	176.	144.	233.	15.264	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/15/69-04/15/70	4	102.5	99.75	142.	52.	1360.25	36.882	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/15/69-04/15/70	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/15/69-04/15/70	5	2.	2.4	4.8	0.9	2.225	1.492	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/15/69-04/15/70	5	0.28	0.26	0.38	0.12	0.016	0.126	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/15/69-04/15/70	5	45.	47.	62.	32.	146.	12.083	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/15/69-04/15/70	5	13.	15.	20.	10.8	18.32	4.28	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/15/69-04/15/70	5	2.4	2.44	3.7	1.2	0.883	0.94	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/15/69-04/15/70	5	18.	19.4	38.	9.	127.8	11.305	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/15/69-04/15/70	5	19.5	28.3	58.	18.	288.45	16.984	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/15/69-04/15/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0414

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/15/69-04/15/70	5	10.	8.76	16.2	1.6	35.328	5.944	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/69-04/15/70	4	355.	480.	1010.	200.	130600.	361.386	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/15/69-04/15/70	5	132.	125.4	164.	86.	880.8	29.678	**	**	**	**
82038	POTASSIUM-DISSOLVED UG/L(AS K)	04/15/69-04/15/69	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	04/15/69-04/15/69	1	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0414

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	101	0	0.00	49	0	0.00	25	0	0.00	27	0	0.00			
00400	PH	Fresh Chronic	9.	101	0	0.00	49	0	0.00	25	0	0.00	27	0	0.00			
		Other-Lo Lim.	6.5	101	17	0.17	49	14	0.29	25	0	0.00	27	3	0.11			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	250.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0415

NPS Station ID: VAFO0415 LAT/LON: 40.140004/ -75.576948 Agency: 11NPSWRD Date Created: 04/25/98
Location: FRENCH CREEK AT SEVEN STARS ROAD CROSSING FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BWQM_5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK AT THE SEVEN STARS ROAD CROSSING; RIVER MILE 5.4. THE CREEK WAS SAMPLED AS PART OF A NUTRIENT-RELATED USE IMPAIRMENT SURVEY OF FRENCH CREEK BY THE BUREAU OF WATER QUALITY MANAGEMENT. THE STUDY WAS CONDUCTED TO DETERMINE WHETHER FRENCH CREEK WAS NITROGEN- OR PHOSPHORUS-LIMITED. THE FINAL CONCLUSION OF THE REPORT WAS THAT FRENCH CREEK WAS CO-LIMITED BY NITROGEN AND PHOSPHORUS. DATA WERE PUBLISHED IN THE REPORT "FRENCH CREEK; NUTRIENT RELATED/ USE IMPAIRMENT SURVEY" BY CYNTHIA L. STEELE (1988). FOR MORE INFORMATION CONTACT HOPEWELL FURNACE NATIONAL HISTORIC SITE'S CHIEF OF RESOURCES AT 2 MARK BIRD LANE; ELVERSON PA 19520 (TEL. 610-582-8773). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; FORT COLLINS CO 80526 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0415

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/87-08/06/87	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/87-08/06/87	1	145.	145.	145.	145.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/87-08/06/87	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/06/87-08/06/87	1	94.2	94.2	94.2	94.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/06/87-08/06/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/06/87-08/06/87	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/87-08/06/87	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/06/87-08/06/87	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0415

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0416

NPS Station ID: VAFO0416
LAT/LON: 40.035587/ -75.578003
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040202
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040202
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0416

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0416

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0416

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0417

NPS Station ID: VAFO0417
LAT/LON: 40.054365/ -75.578171
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 10 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_VC2_10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 10 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0417

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0417

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0417

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0418

NPS Station ID: VAFO0418
LAT/LON: 40.033698/ -75.578810
Agency: 11NPSWRD
Date Created: 09/25/99
Location: VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_USGS_A1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040202
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL
ECO Region:
RF1 Index: 02040202
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT VALLEY CREEK AND IS OUTSIDE OF THE VALLEY FORGE NATIONAL HISTORICAL PARK BOUNDARY. DATA ARE FROM A REPORT BY RONALD A. SLOTO OF THE U.S. GEOLOGICAL SURVEY; "EFFECT OF URBANIZATION ON THE WATER RESOURCES OF EASTERN CHESTER COUNTY PENNSYLVANIA;" 1987. DATA WERE COLLECTED TO "DETERMINE THE EFFECT OF URBANIZATION IN EASTERN CHESTER COUNTY ON THE QUALITY AND QUANTITY OF GROUND WATER AND LOW STREAMFLOW." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/84-10/11/84	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/11/84-10/11/84	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/11/84-10/11/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0419

NPS Station ID: VAFO0419 | LAT/LON: 40.053837/ -75.578810 | Agency: 11NPSWRD | Date Created: 07/03/99
Location: STATION 11 AT VALLEY CREEK | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_VC2_11
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 11 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0419

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32106	CHLOROFORM,WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
46491	METHYL TERTIARY BUTYL ETHER(MTBE),TOTAL,WATER UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	06/08/93-06/08/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
77041	CARBON DISULFIDE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78032	PROPANE, 2-METHOXY-2-METHYL- , WATER, WHOLE, UG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81686	CIS-1,2-DICHLOROETHENE IN WHOLE WATER SAMPLE MG/L	06/08/93-06/08/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0419

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0419

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0420

NPS Station ID: VAFO0420
LAT/LON: 40.169726/ -75.579170
Agency: 112WRD
Date Created: / /
Location: STONY RUN NEAR SPRING CITY, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472109
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040202007518.92
RF3 Mile Point: 25.75
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/69-11/13/95	35	11.5	11.706	23.	5.	23.016	4.797	5.56	7.	15.	19.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-11/13/95	22	14.75	14.095	21.5	3.5	24.863	4.986	7.6	9.5	17.85	21.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-11/13/95	28	0.7	1.561	7.	0.2	2.894	1.701	0.3	0.4	2.	5.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/08/92	10	1.95	1.99	3.3	0.7	0.965	0.983	0.73	1.	3.05	3.29
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/69-11/13/95	35	247.	245.143	430.	110.	3245.244	56.967	156.	230.	262.	306.
00300	OXYGEN, DISSOLVED MG/L	10/24/74-11/13/95	20	10.1	10.355	12.2	7.8	1.645	1.282	9.	9.3	11.675	12.19
00340	COD, .25N K2CR2O7 MG/L	02/19/70-10/02/73	5	12.	12.	25.	4.	76.5	8.746	**	**	**	**
00400	PH (STANDARD UNITS)	11/12/69-11/13/95	35	7.2	7.334	8.9	6.4	0.265	0.515	6.852	7.1	7.5	7.92
00400	CONVERTED PH (STANDARD UNITS)	11/12/69-11/13/95	35	7.2	7.125	8.9	6.4	0.31	0.557	6.852	7.1	7.5	7.92
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/69-11/13/95	35	0.063	0.075	0.398	0.001	0.006	0.08	0.013	0.032	0.079	0.142
00403	PH, LAB, STANDARD UNITS SU	11/05/80-10/08/92	22	7.4	7.409	8.	6.9	0.08	0.283	7.	7.275	7.525	7.94
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-10/08/92	22	7.4	7.329	8.	6.9	0.087	0.294	7.	7.275	7.525	7.94
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-10/08/92	22	0.04	0.047	0.126	0.01	0.001	0.029	0.012	0.03	0.053	0.1
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/26/76	4	2.7	8.525	27.	1.7	152.089	12.332	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/08/91	23	44.	46.13	72.	22.	157.755	12.56	30.4	38.	56.	65.6
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/08/92-11/13/95	4	54.	48.75	54.	33.	110.25	10.5	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/26/76	4	61.	60.75	79.	42.	260.917	16.153	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/26/76	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/12/69-10/09/72	5	209.	195.2	282.	136.	3724.7	61.03	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/26/76-10/20/81	3	4.	3.9	4.3	3.4	0.21	0.458	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-10/11/85	4	4.4	4.875	6.6	4.1	1.349	1.162	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/04/71-10/20/81	8	0.77	0.794	1.6	0.18	0.168	0.41	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/20/81-10/19/82	2	1.3	1.3	1.7	0.9	0.32	0.566	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	25	0.04	0.053	0.19	0.005	0.003	0.056	0.005	0.009	0.08	0.162
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/71-10/20/81	8	0.105	0.16	0.47	0.02	0.025	0.158	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	25	0.02	0.03	0.13	0.005	0.001	0.028	0.005	0.01	0.045	0.062
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/71-10/20/81	5	0.05	0.046	0.07	0.02	0.	0.021	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/19/82-10/20/83	2	3.95	3.95	4.9	3.	1.805	1.344	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/12/69-10/20/81	11	3.4	3.502	6.6	0.99	3.706	1.925	1.072	1.7	5.33	6.36
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/20/81-10/08/92	12	0.6	0.697	1.7	0.3	0.177	0.42	0.33	0.4	0.877	1.58
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/20/81-10/11/85	2	0.1	0.1	0.2	0.	0.02	0.141	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/08/92	14	0.705	0.775	2.1	0.2	0.221	0.47	0.3	0.475	0.97	1.62
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-10/20/81	3	2.8	2.7	3.4	1.9	0.57	0.755	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/20/81-11/13/95	25	4.3	4.188	5.3	2.4	0.514	0.717	3.06	3.8	4.75	5.08
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/05/80-11/05/80	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/20/81-10/19/82	2	0.43	0.43	0.71	0.15	0.157	0.396	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/71-10/08/92	18	0.28	0.575	4.7	0.05	1.141	1.068	0.086	0.13	0.505	1.55
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/81-10/08/92	12	0.11	0.123	0.26	0.03	0.006	0.078	0.036	0.06	0.2	0.254

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-11/13/95	25	0.08	0.098	0.23	0.03	0.003	0.054	0.05	0.06	0.11	0.214
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	11/06/96-11/06/96	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	03/23/84-03/23/84	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/19/82	7	86.	86.143	120.	72.	276.143	16.618	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/26/76	4	33.	34.75	55.	18.	242.917	15.586	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/08/92	21	21.	21.476	33.	16.	13.062	3.614	17.2	19.5	23.	25.
00916	CALCIUM, TOTAL (MG/L AS CA)	05/06/70-10/09/72	3	17.3	16.667	18.3	14.4	4.103	2.026	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/08/92	21	7.4	7.476	9.	6.4	0.473	0.688	6.56	7.	7.8	8.56
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/06/70-10/09/72	3	6.2	6.233	6.9	5.6	0.423	0.651	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/06/70-10/09/72	3	13.	13.433	16.3	11.	7.163	2.676	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/08/92	21	13.	16.381	36.	11.	49.148	7.011	11.	12.	21.5	30.
00931	SODIUM ADSORPTION RATIO	10/02/73-10/19/82	7	1.1	1.029	1.5	0.6	0.119	0.345	**	**	**	**
00932	SODIUM, PERCENT	10/02/73-10/19/82	7	33.	32.429	43.	21.	60.619	7.786	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/08/92	21	3.4	4.214	11.	2.1	5.36	2.315	2.14	2.6	4.95	8.52
00937	POTASSIUM, TOTAL MG/L AS K)	05/06/70-10/09/72	2	4.05	4.05	4.6	3.5	0.605	0.778	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/69-11/13/95	33	19.	22.061	64.	10.	90.871	9.533	15.	17.	23.	33.2
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/69-10/08/92	26	24.5	25.231	38.	11.	32.585	5.708	19.5	22.75	27.	34.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/08/92	10 ##	0.075	0.095	0.2	0.05	0.004	0.06	0.05	0.05	0.125	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/08/92	17	17.	17.471	20.	14.	3.015	1.736	14.8	17.	18.5	20.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/81-10/19/82	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/06/96-11/06/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/18/84	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/19/82	7 ##	1.	1.	3.	0.	0.917	0.957	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/06/96-11/06/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/06/96-11/06/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/19/82	7 ##	0.	1.571	10.	0.	13.869	3.724	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/70-10/09/72	3 ##	50.	58.333	75.	50.	208.333	14.434	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/19/82	7 ##	0.	0.357	1.	0.	0.226	0.476	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/06/70-10/09/72	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/19/82	7 ##	2.	2.571	10.	0.	12.619	3.552	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/70-10/09/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/06/96-11/06/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/06/70-10/02/73	4	300.	361.25	770.	75.	85772.917	292.87	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/08/92	20	48.5	72.15	290.	5.	4482.766	66.953	12.5	25.5	112.25	148.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/19/82	7	1.	40.071	270.	0.	10283.702	101.409	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/06/96-11/06/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/06/96-11/06/96	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/71-10/02/73	3 ##	125.	100.	125.	50.	1875.	43.301	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/08/92	20	56.5	66.95	160.	17.	1688.05	41.086	20.8	35.	86.25	155.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/19/82	7	2.	3.357	7.	0.5	6.726	2.593	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/06/70-10/09/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/19/82	7	20.	14.714	20.	6.	44.905	6.701	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/70-10/09/72	3 ##	25.	21.667	30.	10.	108.333	10.408	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/06/96-11/06/96	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/08/92	11 ##	5.	12.273	50.	5.	191.818	13.85	5.	5.	20.	44.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/23/84-03/23/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/06/70-10/09/72	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	11/06/96-11/06/96	1	7400.	7400.	7400.	7400.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/12/69-10/02/73	6	2465.	13985.	40300.	50.	382374590.	19554.401	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/12/69-10/02/73	6	3.285	3.376	4.605	1.699	1.264	1.124	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2374.964								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/71-10/02/73	3	330.	636.667	1500.	80.	574633.333	758.046	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/71-10/02/73	3	2.519	2.533	3.176	1.903	0.405	0.637	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			340.851								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/12/69-10/02/73	6	227.5	584.583	2600.	0.5	1013268.642	1006.612	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/12/69-10/02/73	6	2.171	1.863	3.415	-0.301	1.775	1.332	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			72.974								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/05/80-12/13/84	6	0.05	0.045	0.07	0.	0.001	0.023	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/11/85-11/06/96	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/11/85-11/06/96	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-11/06/96	2	0.95	0.95	1.6	0.3	0.845	0.919	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.525	0.525	1.	0.05	0.451	0.672	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-11/06/96	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/11/85-11/06/96	2 ##	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/11/85-11/06/96	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-11/06/96	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/11/85-11/06/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-11/13/87	20	161.5	178.1	274.	139.	1554.937	39.433	145.1	148.5	197.25	248.5
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/26/76	4	142.5	158.75	231.	119.	2446.917	49.466	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/19/82-10/19/82	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/19/82	7	0.24	0.269	0.37	0.2	0.005	0.068	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/12/69-03/23/84	11	0.36	0.476	1.2	0.04	0.134	0.365	0.06	0.24	0.74	1.16
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/05/80-11/05/80	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/20/81-10/19/82	2	0.05	0.05	0.09	0.01	0.003	0.057	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/19/82-10/19/82	1	22.	22.	22.	22.	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/19/82-10/19/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/80-10/11/85	4	1.165	1.63	3.7	0.49	2.08	1.442	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/26/76-10/20/81	3	18.	17.333	19.	15.	4.333	2.082	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/81-10/19/82	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/06/96-11/06/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/06/70-05/04/71	2	29.	29.	43.	15.	392.	19.799	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/06/70-05/04/71	2	0.42	0.42	0.8	0.04	0.289	0.537	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/11/85-11/06/96	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0420

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	10	0	0.00	10	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	20	0	0.00									
00400	PH	Fresh Chronic	9.	35	0	0.00	26	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	35	2	0.06	26	2	0.08	2	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	22	0	0.00	16	0	0.00	1	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	22	0	0.00	16	0	0.00	1	0	0.00	5	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	25	0	0.00	19	0	0.00	1	0	0.00	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	4	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	8	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	25	0	0.00	19	0	0.00	1	0	0.00	5	0	0.00			
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	33	0	0.00	24	0	0.00	2	0	0.00	7	0	0.00			
		Drinking Water	250.	33	0	0.00	24	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	21	0	0.00	2	0	0.00	3	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	10	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	7	0	0.00	7	0	0.00									
		Drinking Water	5.	7	0	0.00	7	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	7	0	0.00	7	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	7	0	0.00	7	0	0.00									
		Drinking Water	1300.	7	0	0.00	7	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0420

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	7	1	0.14	7	1	0.14									
		Drinking Water	15.	7	1	0.14	7	1	0.14									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	7	0	0.00									
		Drinking Water	100.	7	0	0.00	7	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	0	0.00	7	0	0.00									
		Drinking Water	5000.	7	0	0.00	7	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	3	0.50	3	3	1.00	1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	2	2	1.00				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/69-11/13/95	26	10.4	10.658	17.	5.	12.591	3.548	5.35	8.125	12.975	16.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-11/13/95	19	13.	14.	21.5	3.5	26.222	5.121	7.	9.5	18.	21.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-11/13/95	19	0.5	0.774	2.	0.2	0.442	0.665	0.3	0.3	0.7	2.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/08/92	10	1.95	1.99	3.3	0.7	0.965	0.983	0.73	1.	3.05	3.29
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/69-11/13/95	26	250.	256.538	430.	140.	3130.098	55.947	199.7	237.25	266.25	331.5
00300	OXYGEN, DISSOLVED MG/L	10/24/74-11/13/95	20	10.1	10.355	12.2	7.8	1.645	1.282	9.	9.3	11.675	12.19
00400	PH (STANDARD UNITS)	11/12/69-11/13/95	26	7.165	7.185	7.6	6.4	0.102	0.319	6.696	7.	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	11/12/69-11/13/95	26	7.164	7.055	7.6	6.4	0.119	0.345	6.696	7.	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/69-11/13/95	26	0.069	0.088	0.398	0.025	0.008	0.087	0.025	0.032	0.1	0.211
00403	PH, LAB, STANDARD UNITS SU	11/05/80-10/08/92	16	7.4	7.45	8.	7.	0.055	0.234	7.14	7.3	7.575	7.86
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-10/08/92	16	7.4	7.395	8.	7.	0.058	0.24	7.14	7.3	7.575	7.86
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-10/08/92	16	0.04	0.04	0.1	0.01	0.	0.021	0.014	0.027	0.05	0.074
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/08/91	17	48.	50.824	72.	34.	113.154	10.637	37.2	44.	59.	67.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	19	0.03	0.037	0.13	0.005	0.001	0.034	0.005	0.008	0.05	0.09
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	19	0.02	0.022	0.05	0.005	0.	0.015	0.005	0.01	0.03	0.05
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/20/81-10/08/92	12	0.6	0.697	1.7	0.3	0.177	0.42	0.33	0.4	0.877	1.58
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/08/92	14	0.705	0.775	2.1	0.2	0.221	0.47	0.3	0.475	0.97	1.62
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/20/81-11/13/95	19	4.	4.037	5.3	2.4	0.564	0.751	3.	3.4	4.5	5.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/71-10/08/92	17	0.27	0.588	4.7	0.05	1.209	1.099	0.082	0.12	0.51	1.9
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/81-10/08/92	12	0.11	0.123	0.26	0.03	0.006	0.078	0.036	0.06	0.2	0.254
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-11/13/95	19	0.08	0.101	0.23	0.05	0.003	0.057	0.05	0.06	0.11	0.22
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/08/92	19	21.	21.842	33.	17.	12.585	3.548	18.	20.	23.	25.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/08/92	19	7.6	7.553	9.	6.5	0.447	0.669	6.8	7.	7.8	8.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/08/92	19	13.	16.842	36.	11.	52.14	7.221	11.	12.	22.	32.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/08/92	19	3.4	4.437	11.	2.3	5.407	2.325	2.3	3.	5.	8.9
00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/69-11/13/95	24	20.5	23.708	64.	10.	110.389	10.507	16.5	18.25	26.25	34.5
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/69-10/08/92	21	25.	25.571	38.	16.	25.357	5.036	21.2	23.	26.5	36.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/08/92	10 ##	0.075	0.095	0.2	0.05	0.004	0.06	0.05	0.05	0.125	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/08/92	17	17.	17.471	20.	14.	3.015	1.736	14.8	17.	18.5	20.
01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/08/92	18	45.5	74.	290.	5.	4970.353	70.501	11.3	22.25	122.5	164.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/08/92	18	55.	64.333	160.	17.	1769.412	42.064	19.7	31.75	78.75	160.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/08/92	10 ##	5.	8.5	20.	5.	39.167	6.258	5.	5.	12.5	20.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-11/13/87	14	171.	186.286	274.	145.	1920.681	43.826	145.5	148.	225.25	261.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/69-11/13/95	2	7.	7.	7.	7.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-11/13/95	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-11/13/95	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/69-11/13/95	2	185.	185.	210.	160.	1250.	35.355	**	**	**	**
00400	PH (STANDARD UNITS)	11/12/69-11/13/95	2	7.1	7.1	7.2	7.	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/12/69-11/13/95	2	7.089	7.089	7.2	7.	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/69-11/13/95	2	0.082	0.082	0.1	0.063	0.001	0.026	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/05/80-10/08/92	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-10/08/92	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-10/08/92	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/08/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/20/81-11/13/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-11/13/95	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/08/92	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/08/92	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/08/92	1	11.	11.	11.	11.	0.	0.	**	**	**	**

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Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/08/92	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/69-11/13/95	2	21.5	21.5	26.	17.	40.5	6.364	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/69-10/08/92	2	22.5	22.5	24.	21.	4.5	2.121	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/08/92	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/08/92	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/08/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-11/13/87	1	139.	139.	139.	139.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/69-11/13/95	7	19.	16.943	23.	5.6	33.823	5.816	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/69-11/13/95	2	17.55	17.55	17.8	17.3	0.125	0.354	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/69-11/13/95	7	2.	2.714	7.	1.	4.238	2.059	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/69-11/13/95	7	230.	220.	270.	110.	2633.333	51.316	**	**	**	**
00400	PH (STANDARD UNITS)	11/12/69-11/13/95	7	7.8	7.957	8.9	7.2	0.506	0.711	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/12/69-11/13/95	7	7.8	7.612	8.9	7.2	0.645	0.803	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/69-11/13/95	7	0.016	0.024	0.063	0.001	0.001	0.025	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/05/80-10/08/92	5	7.2	7.3	8.	6.9	0.19	0.436	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-10/08/92	5	7.2	7.169	8.	6.9	0.211	0.46	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-10/08/92	5	0.063	0.068	0.126	0.01	0.002	0.046	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/08/91	5	35.	35.	40.	28.	21.	4.583	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	5	0.15	0.124	0.19	0.01	0.006	0.075	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/20/81-11/13/95	5	0.05	0.064	0.13	0.02	0.002	0.043	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/20/81-11/13/95	5	4.7	4.6	4.8	4.2	0.065	0.255	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/71-10/08/92	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/20/81-11/13/95	5	0.09	0.098	0.16	0.07	0.001	0.036	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/08/92	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/08/92	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/08/92	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/08/92	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/69-11/13/95	7	17.	16.571	21.	12.	8.619	2.936	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/69-10/08/92	3	30.	24.667	33.	11.	142.333	11.93	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/24/74-10/08/92	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/74-10/08/92	1	110.	110.	110.	110.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/24/74-11/13/87	5	153.	163.	180.	150.	242.	15.556	**	**	**	**

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Station Inventory for Station: VAFO0421

NPS Station ID: VAFO0421
LAT/LON: 40.115281/ -75.581392
Agency: 11121XWQ
Date Created: 05/13/89
Location: SCHUYLKILL RIVER AT NORRISTOWN
FIPS State/County: 42091 PENNSYLVANIA/MONTGOMERY
Station Type: /TYPA/AMBNT/STREAM/SOLIDS
STORET Station ID(s): S105
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER - SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 14.00
On/Off RF1:
RF3 Index: 02040203086800.00
RF3 Mile Point: 1.17
Distance from RF3: 0.40
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0421

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/11/86-06/11/86	2	0.365	0.365	0.39	0.34	0.001	0.035	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/11/86-06/11/86	2	1.31	1.31	1.31	1.31	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/11/86-06/11/86	2	1.15	1.15	1.82	0.48	0.898	0.948	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/11/86-06/11/86	2	27.55	27.55	31.9	23.2	37.845	6.152	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/11/86-06/11/86	2	72.65	72.65	84.1	61.2	262.205	16.193	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/11/86-06/11/86	2	34.75	34.75	37.4	32.1	14.045	3.748	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/11/86-06/11/86	2 ##	0.32	0.32	0.49	0.15	0.058	0.24	**	**	**	**
30380	BUTACHLOR UG/KG	06/11/86-06/11/86	2	52.75	52.75	54.	51.5	3.125	1.768	**	**	**	**
30381	CHLOROBENZILATE UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
30382	TRIPHENYL PHOSPHATE UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
38823	ISOPROPALIN SEDDRYWGTUG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/11/86-06/11/86	2 ##	0.225	0.225	0.25	0.2	0.001	0.035	**	**	**	**
75039	TRICHLOROBENZENE,1,2,4 SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
75040	HEXACHLOROBUTADIENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
75041	BHC,ALPHA- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75042	HEXACHLOROBENZENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75043	PENTACHLOROANISOLE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75044	HEPTACHLOR SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75046	DDE,P,P'-(4,4'-DDE) SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75047	DIELDRIN SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75048	ENDRIN SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75050	ALACHLOR UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
75051	DICHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
75052	OCTACHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
75054	DECACHLOROBIPHENYL,TOTAL SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
75558	BIPHENYL SEDIMENT,DRY WGT,UG/KG	06/11/86-06/11/86	2	14.2	14.2	14.5	13.9	0.18	0.424	**	**	**	**
78657	NONACHLOR, TRANS, SEDIMENT, DRY WEIGHT, UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
78875	MONOCHLOROBIPHENYLS TOTAL IN SED DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79785	TRICHLOROBENZENE,1,3,5- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
79786	TRICHLOROBENZENE,1,2,3- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
79787	TETRACHLOROBENZENE,1,2,4,5- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
79789	TETRACHLOROBENZENE,1,2,3,4- SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
79790	PENTACHLOROBENZENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
79791	DIPHENYL DISULFIDE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79792	CHLORPYRIFOS SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0421

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
79793	OCTACHLOROSTYRENE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79794	OXYCHLORDANE SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79795	CHLORDANE, TRANS SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79796	CHLORDANE, CIS SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79797	NITROFEN SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	12.55	12.55	12.55	12.55	0.	0.	**	**	**	**
79798	METHOXYCHLOR SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	25.1	25.1	25.1	25.1	0.	0.	**	**	**	**
79800	MIREX SEDIMENT,DRY,WT,UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
81618	TREFLAN(TRIFLURALIN) IN SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
81808	PENTACHLORONITROBENZENE IN SEDIMENT DRY WGT UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**
81876	TRICHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2	14.15	14.15	16.8	11.5	14.045	3.748	**	**	**	**
81878	TETRACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	5.65	5.65	10.8	0.5	53.045	7.283	**	**	**	**
81880	PENTACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	2.55	2.55	4.6	0.5	8.405	2.899	**	**	**	**
81882	HEXACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81884	HEPTACHLOROBIPHENYL SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/11/86-06/11/86	2 ##	6.275	6.275	6.3	6.25	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: VAFO0422

NPS Station ID: VAFO0422
LAT/LON: 40.053976/ -75.581893
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 2 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 2 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT THE POINT WHERE THE CONTINENTAL PIPELINE INTERSECTS VALLEY CREEK OFF OF ROUTE 401. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0422

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	2.08	2.08	2.08	2.08	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0422

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	13.6	13.6	13.6	13.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0422

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0423

NPS Station ID: VAFO0423
LAT/LON: 40.054726/ -75.584782
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI74_1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK 10 YARDS DOWNSTREAM FROM MALVERN TRAILER COURT SEWAGE TREATMENT OUTFALL AT VALLEY CREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED "TO PROVIDE ADDITIONAL BACKGROUND INFORMATION" ON VALLEY CREEK. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0423

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/74-08/19/74	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	08/19/74-08/19/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/19/74-08/19/74	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/74-08/19/74	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/74-08/19/74	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/74-08/19/74	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/19/74-08/19/74	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/19/74-08/19/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/74-08/19/74	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/74-08/19/74	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/74-08/19/74	1	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0423

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0424

NPS Station ID: VAFO0424 LAT/LON: 40.055420/ -75.587171 Agency: 11NPSWRD Date Created: 07/03/99
Location: UNNAMED TRIBUTARY TO VALLEY CREEK AT RT 401 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_ABI_UT
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT AN UNNAMED TRIBUTARY AT ROUTE 401 NEAR BACTON. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0424

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	04/29/93-06/24/93	3	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/29/93-06/24/93	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	3	20.	21.667	26.	19.	14.333	3.786	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/29/93-06/24/93	3	126.	127.333	132.	124.	17.333	4.163	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/93-05/25/93	2	122.	122.	127.	117.	50.	7.071	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/93-05/25/93	2	7.	7.	9.	5.	8.	2.828	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	04/29/93-06/24/93	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/93-06/24/93	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	3 ##	0.002	0.005	0.01	0.002	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/93-06/24/93	3	1.03	1.02	1.03	1.	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-06/24/93	3 ##	0.1	0.137	0.21	0.1	0.004	0.064	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-06/24/93	3	0.03	0.027	0.03	0.02	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/93-06/24/93	3	1.8	1.767	1.9	1.6	0.023	0.153	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/93-06/24/93	3	35.	35.	36.	34.	1.	1.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/29/93-06/24/93	3	6.8	7.033	7.5	6.8	0.163	0.404	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/29/93-06/24/93	3	4.7	4.733	4.9	4.6	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/93-06/24/93	3	35.	34.333	36.	32.	4.333	2.082	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/29/93-06/24/93	3	5.	5.333	7.	4.	2.333	1.528	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/93-06/24/93	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/93-06/24/93	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/93-06/24/93	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/93-06/24/93	3	25.	22.333	37.	5.	261.333	16.166	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/93-06/24/93	3	170.	198.333	263.	162.	3152.333	56.146	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/93-06/24/93	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0424

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/93-06/24/93	3	11.	11.333	12.	11.	0.333	0.577	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/93-06/24/93	3 ##	12.5	22.333	42.	12.5	290.083	17.032	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/93-06/24/93	3 ##	5.	9.	17.	5.	48.	6.928	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/29/93-06/24/93	3	347.	346.667	502.	191.	24180.333	155.5	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	04/29/93-06/24/93	3	1000.	866.667	1000.	600.	53333.333	230.94	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	04/29/93-06/24/93	3	200.	280.	520.	120.	44800.	211.66	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	04/29/93-06/24/93	3	120.	153.333	260.	80.	8933.333	94.516	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/93-06/24/93	3	0.2	0.2	0.3	0.1	0.01	0.1	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/29/93-06/24/93	3	3.4	4.433	6.9	3.	4.603	2.146	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0424

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00							3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00							3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							3	0	0.00			
		Drinking Water	250.	3	0	0.00							3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00							3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00							3	0	0.00			
		Drinking Water	5.	3	0	0.00							3	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	2	0.67							3	2	0.67			
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00							3	0	0.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	3	1	0.33							3	1	0.33			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	3	0	0.00							3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00							3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0425

NPS Station ID: VAFO0425
LAT/LON: 40.055448/ -75.587226
Agency: 11NPSWRD
Date Created: 07/03/99
Location: STATION 1 AT VALLEY CREEK
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VAFO_ABI69_01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 1 IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK AT 150 YARDS DOWNSTREAM OF BACTON ROAD AT MALVERN TRAILER COURTS AT VALLEYCREEK. DATA WERE SAMPLED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS PART OF AN ONGOING AQUATIC BIOLOGY INVESTIGATION. THIS SPECIFIC SURVEY WAS CONDUCTED TO "DETERMINE THE PRESENT CONDITION OF VALLEY CREEK BEFORE COMPLETION OF A NEW SEWAGE TREATMENT PLANT AT MALVERN TRAILER COURTS." FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0425

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/69-06/25/69	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/69-06/25/69	1	145.	145.	145.	145.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/25/69-06/25/69	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/25/69-06/25/69	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/69-06/25/69	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/69-06/25/69	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/69-06/25/69	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/69-06/25/69	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/69-06/25/69	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/25/69-06/25/69	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/25/69-06/25/69	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/25/69-06/25/69	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	06/25/69-06/25/69	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/69-06/25/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/69-06/25/69	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0425

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/69-06/25/69	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/69-06/25/69	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/69-06/25/69	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/69-06/25/69	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/69-06/25/69	1	800.	800.	800.	800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0425

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0426

NPS Station ID: VAFO0426
LAT/LON: 40.056948/ -75.590281
Agency: 112WRD
Date Created: 02/28/78
Location: 6
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 400325075352501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 14.30
On/Off RF1:
RF3 Index: 02040205062400.00
RF3 Mile Point: 5.24
Distance from RF3: 0.19
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0426

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/08/65-04/08/65	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/08/65-04/08/65	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/65-04/08/65	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/08/65-04/08/65	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/08/65-04/08/65	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/65-04/08/65	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/08/65-04/08/65	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/65-04/08/65	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/08/65-04/08/65	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/08/65-04/08/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/08/65-04/08/65	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/65-04/08/65	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/08/65-04/08/65	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/08/65-04/08/65	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/08/65-04/08/65	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/08/65-04/08/65	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	04/08/65-04/08/65	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	04/08/65-04/08/65	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	04/08/65-04/08/65	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/08/65-04/08/65	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/65-04/08/65	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/65-04/08/65	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/08/65-04/08/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/65-04/08/65	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/08/65-04/08/65	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/08/65-04/08/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/08/65-04/08/65	1	25.	25.	25.	25.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/08/65-04/08/65	1	23.	23.	23.	23.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/08/65-04/08/65	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	04/08/65-04/08/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0426

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0427

NPS Station ID: VAFO0427
LAT/LON: 40.082781/ -75.591948
Agency: 112WRD
Date Created: / /
Location: PIGEON RUN AT RAPPS CORNER, PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472186
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 17.60
On/Off RF1:
RF3 Index: 02040203035500.71
RF3 Mile Point: 0.71
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0427

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0428

NPS Station ID: VAFO0428
LAT/LON: 40.106948/ -75.592781
Agency: 112WRD
Date Created: 05/14/83
Location: PICKERING CREEK AT MERLIN, PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 014721854
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203000702.05
RF3 Mile Point: 2.04
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/69-10/12/95	29	11.	11.059	16.	5.	7.713	2.777	7.5	8.5	13.15	15.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/69-10/12/95	21	14.5	15.324	26.	4.5	22.172	4.709	8.6	13.5	17.75	22.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/69-10/12/95	20	12.	15.	29.	6.	65.789	8.111	7.	8.	23.5	27.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/83-10/07/92	9	0.7	0.733	1.3	0.4	0.078	0.278	0.4	0.5	0.9	1.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/69-10/12/95	29	190.	179.862	245.	109.	1514.195	38.913	120.	152.	210.	228.
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/12/95	21	11.4	11.51	13.2	10.	0.725	0.851	10.42	10.85	12.2	12.8
00340	COD, .25N K2CR2O7 MG/L	02/18/70-10/02/73	7	11.	15.857	55.	1.	364.81	19.1	**	**	**	**
00400	PH (STANDARD UNITS)	11/10/69-10/12/95	29	7.4	7.469	8.7	6.03	0.419	0.647	6.5	7.15	8.05	8.3
00400	CONVERTED PH (STANDARD UNITS)	11/10/69-10/12/95	29	7.4	6.974	8.7	6.03	0.672	0.82	6.5	7.15	8.05	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/69-10/12/95	29	0.04	0.106	0.933	0.002	0.048	0.219	0.005	0.009	0.071	0.316
00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/07/92	12	7.7	7.717	8.	7.3	0.034	0.185	7.39	7.6	7.875	7.97
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-10/07/92	12	7.7	7.677	8.	7.3	0.036	0.19	7.39	7.6	7.875	7.97
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-10/07/92	12	0.02	0.021	0.05	0.01	0.	0.011	0.011	0.013	0.025	0.043
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/30/78	6	3.	3.067	5.2	0.5	3.551	1.884	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/02/91	16	47.5	48.125	73.	33.	118.383	10.88	33.7	42.25	54.75	66.
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/07/92-10/12/95	3	46.	48.333	57.	42.	60.333	7.767	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/30/78	6	51.5	48.167	52.	40.	31.367	5.601	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/30/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/18/70-10/03/72	6	111.5	119.667	167.	98.	672.667	25.936	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/02/73-10/15/81	7	1.6	1.671	2.4	1.3	0.132	0.364	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/07/85	3	1.9	1.733	2.	1.3	0.143	0.379	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	12	0.205	0.315	0.9	0.07	0.073	0.269	0.07	0.133	0.495	0.846
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/15/81-10/15/81	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/12/95	14	0.02	0.03	0.17	0.005	0.002	0.043	0.006	0.009	0.023	0.12
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/15/81	12	0.04	0.04	0.12	0.005	0.001	0.034	0.005	0.01	0.058	0.105
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/12/95	14 ##	0.005	0.01	0.05	0.005	0.	0.012	0.005	0.005	0.006	0.035
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/70-10/15/81	10 ##	0.005	0.007	0.02	0.	0.	0.006	0.	0.004	0.01	0.019
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/17/83	3	1.4	1.4	1.7	1.1	0.09	0.3	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/18/70-10/30/80	13	1.3	1.242	1.6	0.36	0.14	0.374	0.548	1.025	1.6	1.6
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/07/92	11	0.3	0.262	0.6	0.	0.034	0.185	0.01	0.1	0.4	0.56
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/15/81-10/07/85	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/07/92	16	0.3	0.349	0.97	0.1	0.066	0.257	0.1	0.155	0.475	0.879
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/73-10/15/81	7	1.3	1.329	1.6	1.1	0.046	0.214	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/15/81-10/12/95	14	1.45	1.436	1.9	1.	0.064	0.253	1.05	1.25	1.625	1.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/30/80-10/30/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/18/82-10/18/82	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/70-10/07/92	22	0.02	0.028	0.11	0.005	0.001	0.023	0.01	0.01	0.033	0.061
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/07/92	11	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.02	0.044

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/12/95	14 ##	0.005	0.01	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/18/82	9	69.	67.667	77.	57.	50.25	7.089	57.	60.5	74.	77.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/30/78	6	27.5	28.167	36.	19.	44.567	6.676	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/07/92	18	20.	19.556	24.	15.	4.967	2.229	15.9	18.	21.	22.2
00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/70-10/03/72	5	16.	15.92	17.3	15.	0.827	0.909	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/07/92	18	6.	5.828	6.9	3.6	0.493	0.702	5.04	5.55	6.125	6.63
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/70-10/03/72	5	4.6	4.38	5.6	2.9	1.012	1.006	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/05/70-10/03/72	5	7.1	6.446	8.1	4.5	2.128	1.459	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/07/92	18	7.4	7.444	9.	6.	0.693	0.833	6.36	6.775	8.1	8.82
00931	SODIUM ADSORPTION RATIO	10/02/73-10/18/82	9	0.4	0.378	0.5	0.3	0.004	0.067	0.3	0.3	0.4	0.5
00932	SODIUM, PERCENT	10/02/73-10/18/82	9	17.	17.778	23.	15.	5.444	2.333	15.	17.	18.5	23.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/07/92	18	2.	2.15	3.2	1.8	0.159	0.399	1.8	1.8	2.25	2.84
00937	POTASSIUM, TOTAL MG/L AS K)	05/05/70-10/03/72	5	1.51	1.708	2.23	1.2	0.227	0.476	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/70-10/12/95	27	15.	16.	27.	8.	15.154	3.893	11.	14.	18.	21.2
00945	SULFATE, TOTAL (MG/L AS SO4)	02/18/70-10/07/92	25	16.	16.68	29.	11.	12.06	3.473	13.6	15.	17.5	20.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/07/92	13	0.1	0.104	0.2	0.	0.004	0.063	0.02	0.05	0.15	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/07/92	19	18.	17.579	20.	15.	1.48	1.216	16.	17.	18.	19.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/18/82	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/05/79-11/05/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/18/82	9 ##	0.5	0.833	4.	0.	1.625	1.275	0.	0.	1.	4.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/18/82	9 ##	0.5	1.444	10.	0.	10.465	3.235	0.	0.	1.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/28/70-11/05/79	5 ##	50.	47.	75.	10.	545.	23.345	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/18/82	9 ##	0.	0.278	2.	0.	0.444	0.667	0.	0.	0.25	2.
01037	COBALT, TOTAL (UG/L AS CO)	09/28/70-10/03/72	4 ##	100.	187.5	450.	100.	30625.	175.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/18/82	9 ##	1.	3.056	10.	0.	16.403	4.05	0.	0.25	6.5	10.
01042	COPPER, TOTAL (UG/L AS CU)	09/28/70-11/05/79	5 ##	125.	100.	125.	0.	3125.	55.902	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/70-10/02/73	5 ##	120.	159.	300.	50.	12155.	110.25	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/07/92	17	100.	107.412	180.	59.	1787.757	42.282	62.2	69.5	145.	172.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/18/82	9	2.	30.222	250.	0.5	6796.632	82.442	0.5	1.25	5.5	250.
01051	LEAD, TOTAL (UG/L AS PB)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/70-10/02/73	6 ##	125.	107.5	125.	20.	1837.5	42.866	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/07/92	17	18.	25.824	80.	10.	349.529	18.696	10.	13.5	40.	56.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/18/82	9	2.	2.222	5.	0.	3.194	1.787	0.	0.5	4.	5.
01067	NICKEL, TOTAL (UG/L AS NI)	09/28/70-10/03/72	4 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/18/82	9 ##	10.	6.889	20.	0.	47.111	6.864	0.	0.	10.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	09/28/70-11/05/79	5 ##	10.	13.	25.	10.	45.	6.708	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/83-10/07/92	9 ##	5.	8.333	20.	5.	25.	5.	5.	5.	10.	20.
01132	LITHIUM, TOTAL (UG/L AS LI)	09/28/70-10/03/72	4 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/18/70-10/02/73	7	6800.	29544.857	150000.	6.	2958325002.476	54390.486	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/18/70-10/02/73	7	3.833	3.204	5.176	0.778	3.042	1.744	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1598.212								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	4	165.	222.5	440.	120.	22291.667	149.304	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	4	2.207	2.284	2.643	2.079	0.067	0.258	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			192.487								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/18/70-10/02/73	7	1020.	900.5	3000.	0.5	1146297.25	1070.653	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	02/18/70-10/02/73	7	3.009	2.028	3.477	-0.301	2.288	1.512	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			106.673								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-10/18/82	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/08/86-10/08/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/08/86-10/08/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/08/86-10/08/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/08/86-10/08/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/08/86-10/08/86	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/08/86-10/08/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/08/86-10/08/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/87	12	127.5	123.75	141.	108.	101.659	10.083	108.3	117.	129.75	138.9
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/30/78	6	105.5	105.5	110.	101.	10.7	3.271	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/18/82-10/18/82	1	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/18/82	9	0.16	0.162	0.18	0.14	0.	0.014	0.14	0.15	0.175	0.18
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/18/70-10/15/81	13	0.01	0.012	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.026
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/05/79-10/30/80	2	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/15/81-10/18/82	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/15/81-10/18/82	2	5.55	5.55	6.2	4.9	0.845	0.919	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/15/81-10/18/82	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/79-10/07/85	5	0.06	0.048	0.06	0.03	0.	0.016	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/73-10/15/81	7	7.	7.329	11.	5.8	3.072	1.753	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/81-10/18/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/05/79-11/05/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/05/70-10/03/72	5	4.	4.6	7.	3.	3.3	1.817	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/05/70-10/03/72	5	0.24	0.282	0.55	0.09	0.028	0.168	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/08/86-10/08/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0428

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	9	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	21	0	0.00									
00400	PH	Fresh Chronic	9.	29	0	0.00	26	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	29	3	0.10	26	3	0.12	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	12	0	0.00	12	0	0.00									
		Other-Lo Lim.	6.5	12	0	0.00	12	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	14	0	0.00	14	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	9	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	10	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	7	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	14	0	0.00	14	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	27	0	0.00	24	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	27	0	0.00	24	0	0.00	1	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	25	0	0.00	22	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	13	0	0.00	13	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	1	0.11	9	1	0.11									
		Drinking Water	5.	9	0	0.00	9	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	9	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	4	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	9	0	0.00									
		Drinking Water	1300.	9	0	0.00	9	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	5	0	0.00	4	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	1	0.11	9	1	0.11									
		Drinking Water	15.	9	1	0.11	9	1	0.11									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0428

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	9	0	0.00									
		Drinking Water	5000.	9	0	0.00	9	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	4	0	0.00				1	0	0.00			
		Drinking Water	5000.	5	0	0.00	4	0	0.00				1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6 &	4	0.67	3	3	1.00	1	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50	3	2	0.67				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/69-10/12/95	26	11.	11.015	15.5	7.	5.99	2.447	7.85	8.5	12.625	15.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/69-10/12/95	18	14.75	15.083	23.	4.5	17.978	4.24	7.65	13.875	17.625	21.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/69-10/12/95	17	10.	13.059	28.	6.	49.809	7.058	6.8	8.	17.	26.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/83-10/07/92	9	0.7	0.733	1.3	0.4	0.078	0.278	0.4	0.5	0.9	1.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/69-10/12/95	26	195.	185.654	245.	110.	1301.035	36.07	122.8	170.	211.75	228.6
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/12/95	21	11.4	11.51	13.2	10.	0.725	0.851	10.42	10.85	12.2	12.8
00400	PH (STANDARD UNITS)	11/10/69-10/12/95	26	7.35	7.396	8.4	6.03	0.374	0.612	6.38	7.1	7.825	8.2
00400	CONVERTED PH (STANDARD UNITS)	11/10/69-10/12/95	26	7.347	6.935	8.4	6.03	0.595	0.772	6.38	7.1	7.825	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/69-10/12/95	26	0.045	0.116	0.933	0.004	0.053	0.23	0.006	0.015	0.079	0.46
00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/07/92	12	7.7	7.717	8.	7.3	0.034	0.185	7.39	7.6	7.875	7.97
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-10/07/92	12	7.7	7.677	8.	7.3	0.036	0.19	7.39	7.6	7.875	7.97
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-10/07/92	12	0.02	0.021	0.05	0.01	0.	0.011	0.011	0.013	0.025	0.043
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/02/91	16	47.5	48.125	73.	33.	118.383	10.88	33.7	42.25	54.75	66.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	11	0.24	0.337	0.9	0.07	0.073	0.271	0.082	0.14	0.54	0.864
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/15/81-10/12/95	14	0.02	0.03	0.17	0.005	0.002	0.043	0.006	0.009	0.023	0.12
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/15/81	11	0.04	0.042	0.12	0.005	0.001	0.035	0.005	0.01	0.06	0.11
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/15/81-10/12/95	14 ##	0.005	0.01	0.05	0.005	0.	0.012	0.005	0.005	0.006	0.035
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/70-10/15/81	9 ##	0.005	0.006	0.02	0.	0.	0.006	0.	0.003	0.008	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/18/70-10/30/80	10	1.45	1.373	1.6	0.83	0.07	0.264	0.857	1.175	1.6	1.6
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/15/81-10/07/92	11	0.3	0.262	0.6	0.	0.034	0.185	0.01	0.1	0.4	0.56
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/07/92	16	0.3	0.349	0.97	0.1	0.066	0.257	0.1	0.155	0.475	0.879
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/15/81-10/12/95	14	1.45	1.436	1.9	1.	0.064	0.253	1.05	1.25	1.625	1.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/70-10/07/92	21	0.02	0.026	0.11	0.005	0.	0.022	0.01	0.01	0.03	0.04
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/15/81-10/07/92	11	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.02	0.044
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/81-10/12/95	14 ##	0.005	0.01	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/18/82	9	69.	67.667	77.	57.	50.25	7.089	57.	60.5	74.	77.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/07/92	18	20.	19.556	24.	15.	4.967	2.229	15.9	18.	21.	22.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/07/92	18	6.	5.828	6.9	3.6	0.493	0.702	5.04	5.55	6.125	6.63
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/07/92	18	7.4	7.444	9.	6.	0.693	0.833	6.36	6.775	8.1	8.82
00931	SODIUM ADSORPTION RATIO	10/02/73-10/18/82	9	0.4	0.378	0.5	0.3	0.004	0.067	0.3	0.3	0.4	0.5
00932	SODIUM, PERCENT	10/02/73-10/18/82	9	17.	17.778	23.	15.	5.444	2.333	15.	17.	18.5	23.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/07/92	18	2.	2.15	3.2	1.8	0.159	0.399	1.8	1.8	2.25	2.84
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/70-10/12/95	24	15.5	16.042	22.	11.	8.389	2.896	12.	14.	17.75	20.5
00945	SULFATE, TOTAL (MG/L AS SO4)	02/18/70-10/07/92	22	16.5	16.818	29.	11.	13.203	3.634	13.3	15.	17.5	21.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/07/92	13	0.1	0.104	0.2	0.	0.004	0.063	0.02	0.05	0.15	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/07/92	19	18.	17.579	20.	15.	1.48	1.216	16.	17.	18.	19.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/18/82	9 ##	0.5	0.833	4.	0.	1.625	1.275	0.	0.	1.	4.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/18/82	9 ##	0.5	1.444	10.	0.	10.465	3.235	0.	0.	1.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/18/82	9 ##	0.	0.278	2.	0.	0.444	0.667	0.	0.	0.25	2.
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/18/82	9 ##	1.	3.056	10.	0.	16.403	4.05	0.	0.25	6.5	10.
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/07/92	17	100.	107.412	180.	59.	1787.757	42.282	62.2	69.5	145.	172.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/18/82	9	2.	30.222	250.	0.5	6796.632	82.442	0.5	1.25	5.5	250.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/07/92	17	18.	25.824	80.	10.	349.529	18.696	10.	13.5	40.	56.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/18/82	9	2.	2.222	5.	0.	3.194	1.787	0.	0.5	4.	5.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/18/82	9 ##	10.	6.889	20.	0.	47.111	6.864	0.	0.	10.	20.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/83-10/07/92	9 ##	5.	8.333	20.	5.	25.	5.	5.	5.	10.	20.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/87	12	127.5	123.75	141.	108.	101.659	10.083	108.3	117.	129.75	138.9
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/18/82	9	0.16	0.162	0.18	0.14	0.	0.014	0.14	0.15	0.175	0.18
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/18/70-10/15/81	10	0.01	0.013	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.029

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/69-10/12/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/69-10/12/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/69-10/12/95	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/69-10/12/95	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/10/69-10/12/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/10/69-10/12/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/69-10/12/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/18/70-10/30/80	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/70-10/12/95	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/18/70-10/07/92	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/18/70-10/15/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/69-10/12/95	2	14.65	14.65	16.	13.3	3.645	1.909	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/69-10/12/95	2	19.65	19.65	26.	13.3	80.645	8.98	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/69-10/12/95	2	25.5	25.5	29.	22.	24.5	4.95	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/69-10/12/95	2	134.5	134.5	160.	109.	1300.5	36.062	**	**	**	**
00400	PH (STANDARD UNITS)	11/10/69-10/12/95	2	8.5	8.5	8.7	8.3	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/10/69-10/12/95	2	8.455	8.455	8.7	8.3	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/69-10/12/95	2	0.004	0.004	0.005	0.002	0.	0.002	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/15/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/15/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/70-10/15/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/18/70-10/30/80	2	1.03	1.03	1.11	0.95	0.013	0.113	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/70-10/07/92	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/18/70-10/12/95	2	10.	10.	12.	8.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/18/70-10/07/92	2	16.	16.	18.	14.	8.	2.828	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/18/70-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0429

NPS Station ID: VAFO0429 LAT/LON: 40.172809/ -75.596893 Agency: 21PA Date Created: 09/20/86
Location: SUNNY SLOPE DAIRY/EAST VINCENT TWP./SPRING 1 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING/MONITR/BACK/SPRAY STORET Station ID(s): GW00005954 /231BRCK-1167
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: DELAWARE Elevation: 0 Water Body Id:
Minor Basin: LOWER DELAWARE ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 16.60 On/Off RF1:
RF3 Index: 02040205059502.43 RF3 Mile Point: 3.75 Distance from RF3: 0.07 On/Off RF3:
Description:
PRIMARY STATION CODE: GW00005954; ELEVATION (72000): 0259'; 7.5' QUADRANGLE NAME: PHOENIXVILLE, 08211; LOCATION (LAT./LONG.) 401022.1 0753548.8; AQUIFER NAME: BRUNSWICK FORMATION;

Parameter Inventory for Station: VAFO0429

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0430

NPS Station ID: VAFO0430 LAT/LON: 40.173031/ -75.598254 Agency: 21PA Date Created: 09/20/86
Location: SUNNY SLOPE DAIRY/E VINCENT TWP/SPRING 2 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING/MONITR/DOWN/SPRAY STORET Station ID(s): GW00005956 /231BRCK-1168
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: DELAWARE Elevation: 0 Water Body Id:
Minor Basin: LOWER DELAWARE ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 16.10 On/Off RF1:
RF3 Index: 02040203006600.00 RF3 Mile Point: 6.57 Distance from RF3: 0.18 On/Off RF3:
Description:
PRIMARY STATION CODE - GW00005956; ELEVATION (72000) - 0259'; 7.5' QUADRANGLE NAME - PHOENIXVILLE, 08211; LOCATION (LAT./LONG.) - 401022.9, 0753553.7; AQUIFER NAME - BRUNSWICK FORMATION;

Parameter Inventory for Station: VAFO0430

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0431

NPS Station ID: VAFO0431 LAT/LON: 40.174949/ -75.598420 Agency: 21PA Date Created: 09/20/86
Location: SUNNY SLOPE DAIRY/E VINCENT TWP/SPRING 3 FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING/MONITR/DOWN/SPRAY STORET Station ID(s): GW00005958 /231BRCK-1169
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: DELAWARE Elevation: 0 Water Body Id:
Minor Basin: LOWER DELAWARE ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 16.20 On/Off RF1:
RF3 Index: 02040203006600.00 RF3 Mile Point: 6.57 Distance from RF3: 0.17 On/Off RF3:
Description:
PRIMARY STATION CODE - GW00005958; ELEVATION (72000) - 0235'; 7.5' QUADRANGLE NAME - PHOENIXVILLE, 08211; LOCATION (LAT./LONG.) - 401029.8, 0753554.3; AQUIFER NAME - BRUNSWICK FORMATION;

Parameter Inventory for Station: VAFO0431

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0432

NPS Station ID: VAFO0432
LAT/LON: 40.103615/ -75.600837
Agency: 112WRD
Date Created: 11/07/81
Location: PICKERING CREEK AT PIKELAND, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472184
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 1.10
On/Off RF1:
RF3 Index: 02040203038400.00
RF3 Mile Point: 3.22
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0432

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: VAFO0433

NPS Station ID: VAFO0433
LAT/LON: 40.151392/ -75.601670
Agency: 112WRD
Date Created: / /
Location: FRENCH CREEK NEAR PHOENIXVILLE, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472157
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203019
RF1 Mile Point: 6.770
Distance from RF1: 2.80
On/Off RF1: OFF
RF3 Index: 02040205062400.00
RF3 Mile Point: 0.52
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-10/28/96	65	11.5	12.009	27.	0.	47.058	6.86	2.2	7.	16.5	22.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-10/28/96	21	13.5	14.4	27.	3.	54.915	7.41	4.	9.5	19.75	25.8
00058	FLOW, RATE GALLONS/MIN	05/25/50-08/07/67	4	170.	152.5	170.	100.	1225.	35.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/12/69-05/09/72	33	53.	144.576	572.	15.	33382.564	182.709	21.2	29.	193.5	505.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-10/28/96	28	46.5	55.036	150.	18.	1119.888	33.465	23.6	28.5	70.75	120.1
00065	STAGE, STREAM (FEET)	05/27/71-10/28/96	6	4.515	4.512	4.95	4.19	0.072	0.269	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/13/73-08/19/76	10	2.5	6.95	40.	1.	140.581	11.857	1.05	1.5	6.25	36.85
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/14/92	10	1.05	1.1	2.7	0.5	0.391	0.625	0.5	0.65	1.2	2.55
00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-05/09/72	31	5.	4.645	12.	2.	5.103	2.259	2.	3.	5.	7.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-10/28/96	69	136.	154.783	1230.	70.	19153.349	138.396	102.	122.	150.	170.
00300	OXYGEN, DISSOLVED MG/L	08/13/73-10/28/96	19	11.4	11.126	13.6	5.5	3.01	1.735	9.9	10.1	12.	13.4
00340	COD, .25N K2CR2O7 MG/L	12/10/69-10/15/75	8	14.5	16.75	40.	4.	120.786	10.99	**	**	**	**
00400p	PH (STANDARD UNITS)	05/25/50-10/28/96	62	7.4	7.303	8.3	6.4	0.185	0.43	6.63	7.075	7.6	7.8
00400p	CONVERTED PH (STANDARD UNITS)	05/25/50-10/28/96	62	7.4	7.077	8.3	6.4	0.237	0.487	6.63	7.075	7.6	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-10/28/96	62	0.04	0.084	0.398	0.005	0.01	0.101	0.016	0.025	0.085	0.236
00403	PH, LAB, STANDARD UNITS SU	11/06/80-10/14/92	13	7.6	7.546	8.1	7.1	0.078	0.279	7.14	7.3	7.75	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-10/14/92	13	7.6	7.467	8.1	7.1	0.084	0.291	7.14	7.3	7.75	7.98
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-10/14/92	13	0.025	0.034	0.079	0.008	0.	0.022	0.011	0.018	0.051	0.073
00405	CARBON DIOXIDE (MG/L AS CO2)	05/25/50-10/25/74	6	7.75	8.333	17.	1.1	46.311	6.805	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-10/27/95	59	33.	39.237	170.	11.	904.46	30.074	18.	26.	40.	47.
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/14/92-10/28/96	3	41.	52.333	82.	34.	672.333	25.929	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	08/13/73-08/19/76	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	08/13/73-08/19/76	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-10/25/74	36	35.	36.056	118.	13.	291.94	17.086	20.1	27.25	42.	47.6
00445	CARBONATE ION (MG/L AS CO3)	05/25/50-10/25/74	25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	05/17/76-07/29/76	2	143.	143.	190.	96.	4418.	66.468	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/10/69-08/19/76	14	99.	105.143	180.	55.	813.516	28.522	70.	90.	121.	152.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/22/76-08/19/76	7	10.	13.5	30.	0.	127.083	11.273	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/06/72-12/06/72	3	95.	315.	850.	0.	216925.	465.752	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/09/79-10/21/81	3	1.4	1.433	1.8	1.1	0.123	0.351	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/10/85	4	1.65	1.575	1.9	1.1	0.129	0.359	**	**	**	**
00603	NITROGEN TOTAL, BOTTOM DEPOSITS (MG/KG-N DRY WGT)	12/28/78-12/28/78	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-10/21/81	8	0.28	0.293	0.63	0.005	0.035	0.187	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/21/81-11/02/82	2	0.515	0.515	0.79	0.24	0.151	0.389	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/81-10/28/96	15	0.02	0.024	0.07	0.005	0.	0.02	0.005	0.008	0.04	0.058
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/21/81	19	0.04	0.047	0.15	0.	0.002	0.04	0.005	0.02	0.07	0.11
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/28/96	15 ##	0.005	0.009	0.03	0.005	0.	0.009	0.005	0.005	0.01	0.03
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/05/70-10/21/81	17	0.024	0.03	0.112	0.	0.001	0.028	0.002	0.005	0.044	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/29/56-10/20/83	6	0.925	0.835	1.4	0.16	0.195	0.442	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-10/21/81	24	1.38	1.712	4.099	0.2	1.101	1.049	0.37	1.105	2.449	3.599
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/81-10/14/92	12	0.3	0.349	0.8	0.	0.036	0.189	0.06	0.293	0.4	0.71
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/21/81-10/10/85	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/14/92	13	0.3	0.325	0.7	0.1	0.023	0.153	0.136	0.21	0.4	0.62
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-10/21/81	4	1.15	1.173	1.6	0.79	0.112	0.334	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-10/28/96	16	1.4	1.369	1.8	0.8	0.093	0.305	0.94	1.1	1.6	1.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/06/80-11/06/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/12/69-09/24/71	13	0.06	0.103	0.59	0.	0.026	0.161	0.	0.015	0.09	0.458
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/14/92	29	0.03	0.081	0.9	0.005	0.027	0.165	0.005	0.02	0.075	0.17
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/81-10/14/92	12	0.02	0.016	0.03	0.005	0.	0.011	0.005	0.005	0.028	0.03
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	12/28/78-12/28/78	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/81-10/28/96	15	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.024
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/75-10/15/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	12/28/78-12/28/78	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	12/28/78-10/28/94	2	9.25	9.25	15.	3.5	66.125	8.132	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-11/02/82	49	48.	64.429	650.	29.	8110.875	90.06	37.	41.	54.	63.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-10/25/74	36	17.	34.611	550.	6.	7982.302	89.344	9.4	13.25	22.	39.7
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-10/14/92	59	12.	16.18	233.	4.8	831.553	28.837	9.4	10.	14.4	16.
00916	CALCIUM, TOTAL (MG/L AS CA)	12/10/69-10/30/72	6	11.	10.117	13.	3.3	11.774	3.431	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-10/14/92	59	4.4	4.995	28.5	0.2	14.357	3.789	3.2	3.8	4.7	7.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/10/69-10/30/72	6	3.3	2.75	3.8	0.1	1.875	1.369	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/10/69-10/30/72	6	5.47	4.718	6.9	0.47	5.677	2.383	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-10/14/92	34	6.	5.932	8.7	3.4	1.279	1.131	4.8	5.175	6.6	7.4
00931	SODIUM ADSORPTION RATIO	05/25/50-11/02/82	37	0.4	0.424	1.2	0.2	0.033	0.182	0.28	0.3	0.5	0.7
00932	SODIUM, PERCENT	05/25/50-11/02/82	36	20.5	22.472	46.	15.	40.313	6.349	15.7	19.	25.	31.6
00933	SODIUM,PLUS POTASSIUM (MG/L)	03/01/56-05/09/72	17	7.4	9.312	25.	3.	29.771	5.456	4.84	6.5	10.2	21.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-10/14/92	34	1.8	1.803	3.8	0.9	0.277	0.527	1.15	1.55	2.	2.4
00937	POTASSIUM, TOTAL MG/L AS K)	12/10/69-10/30/72	6	1.675	1.85	3.05	1.3	0.374	0.612	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-10/28/96	69	9.	10.29	55.	3.	52.032	7.213	6.	8.	10.5	14.
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-10/14/92	66	15.	26.424	558.	6.	4706.063	68.601	11.	13.	18.	23.3
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-10/14/92	30	0.1	0.138	0.4	0.	0.013	0.113	0.	0.05	0.2	0.3
00951	FLUORIDE, TOTAL (MG/L AS F)	05/17/76-08/19/76	4	0.105	0.105	0.11	0.1	0.	0.006	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-10/14/92	40	15.5	15.453	29.	6.5	11.516	3.394	12.	14.25	17.	18.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/04/73-11/02/82	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	12/28/78-10/28/94	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/04/73-11/02/82	5 ##	0.5	0.6	2.	0.	0.675	0.822	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-10/28/94	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	12/28/78-10/28/94	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-11/02/82	5 ##	0.5	0.4	1.	0.	0.175	0.418	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/24/70-11/09/79	5 ##	50.	44.	50.	20.	180.	13.416	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/04/73-11/02/82	5 ##	0.5	0.4	1.	0.	0.175	0.418	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/24/70-10/30/72	4 ##	100.	187.5	450.	100.	30625.	175.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/04/73-11/02/82	5	1.	0.8	2.	0.	0.7	0.837	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/05/70-11/09/79	4 ##	125.	93.75	125.	0.	3906.25	62.5	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	12/28/78-10/28/94	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/01/56-08/19/76	18	220.	754.167	7700.	0.	3136812.5	1771.105	18.	101.25	512.5	1976.
01046	IRON, DISSOLVED (UG/L AS FE)	10/25/74-10/14/92	14	98.5	86.857	120.	38.	887.824	29.796	40.	52.5	112.5	120.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-11/02/82	5 ##	0.5	0.8	2.	0.	0.575	0.758	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	12/28/78-10/28/94	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/28/94-10/28/94	1	590.	590.	590.	590.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/50-07/29/76	10	77.5	136.	500.	0.	35037.778	187.184	0.	0.	206.25	495.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/25/74-10/14/92	14	6.	8.571	20.	3.	35.495	5.958	3.5	4.	13.	20.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-11/02/82	5	0.5	0.9	3.	0.	1.55	1.245	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/05/70-10/30/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-11/02/82	5 ##	4.	5.6	10.	2.	16.8	4.099	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/05/70-11/09/79	4 ##	10.	13.75	25.	10.	56.25	7.5	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	12/28/78-10/28/94	2	65.	65.	100.	30.	2450.	49.497	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/19/69-10/14/92	11	10.	11.818	30.	0.	86.364	9.293	1.	5.	20.	28.
01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/70-10/30/72	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01147	SELENIUM, TOTAL (UG/L AS SE)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/28/94-10/28/94	1	24000.	24000.	24000.	24000.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/10/69-10/04/73	7	6600.	110880.786	730000.	0.574	640738706.821	273204.573	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/10/69-10/04/73	7	3.82	3.17	5.863	-0.301	4.322	2.079	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1478.482								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/04/71-10/30/72	2	535.	535.	740.	330.	84050.	289.914	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/04/71-10/30/72	2	2.694	2.694	2.869	2.519	0.062	0.248	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			494.166								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/10/69-10/04/73	7	148.	254.214	1140.	0.5	167271.738	408.989	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/10/69-10/04/73	7	2.17	1.292	3.057	-0.301	2.306	1.519	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			19.606								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/07/67-11/02/82	7	0.	0.023	0.15	0.	0.003	0.056	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	12/05/86-10/28/94	2	## 0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	3	## 0.05	0.033	0.05	0.	0.001	0.029	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12/28/78-10/28/94	3	## 0.05	0.033	0.05	0.	0.001	0.029	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/28/78-10/28/94	3	0.5	0.5	1.	0.	0.25	0.5	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	3	0.05	0.05	0.1	0.	0.003	0.05	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	3	0.2	0.167	0.3	0.	0.023	0.153	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	3	0.05	0.083	0.2	0.	0.011	0.104	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-10/28/94	3	0.1	0.167	0.4	0.	0.043	0.208	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/05/86-10/28/94	2	## 0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	3	## 0.05	0.033	0.05	0.	0.001	0.029	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/28/78-10/28/94	3	## 5.	3.333	5.	0.	8.333	2.887	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/28/78-10/28/94	3	## 0.05	0.033	0.05	0.	0.001	0.029	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	12/28/78-10/28/94	3	## 0.05	0.033	0.05	0.	0.001	0.029	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	12/05/86-10/28/94	2	## 0.225	0.225	0.4	0.05	0.061	0.247	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/28/78-10/28/94	3	3.	2.333	4.	0.	4.333	2.082	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	12/05/86-10/28/94	2	## 0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-10/14/87	34	97.5	126.882	1040.	76.	26361.743	162.363	82.	89.	104.25	121.5
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/25/50-10/25/74	5	82.	91.2	144.	68.	954.7	30.898	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/12/69-05/09/72	21	12.5	21.308	92.1	4.25	649.045	25.476	4.6	6.73	20.85	81.08
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/02/82	30	0.13	0.176	1.41	0.1	0.055	0.235	0.11	0.12	0.14	0.177
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/67-10/21/81	13	0.014	0.021	0.05	0.005	0.	0.014	0.007	0.01	0.031	0.046
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/09/79-11/06/80	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/21/81-11/02/82	2	0.035	0.035	0.06	0.01	0.001	0.035	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/29/56-11/02/82	29	4.7	4.762	8.2	0.7	3.77	1.942	2.2	3.85	6.	7.7
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/02/82-11/02/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/09/79-10/10/85	4	0.075	0.183	0.52	0.06	0.051	0.225	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/09/79-10/21/81	3	6.2	6.4	8.1	4.9	2.59	1.609	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/81-11/02/82	2	## 0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/09/79-11/09/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	12/28/78-10/28/94	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	05/25/50-08/07/67	3	67.	67.	67.	67.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-08/07/67	4	58.	102.	234.	58.	7744.	88.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	05/25/50-08/07/67	4	67.	108.75	234.	67.	6972.25	83.5	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	06/29/56-06/29/56	1	17.	17.	17.	17.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/29/69-10/30/72	7	12.	91.429	301.	1.	14810.952	121.7	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/29/69-10/30/72	7	1.62	127.804	428.	0.08	32552.594	180.423	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	12/05/86-10/28/94	2	## 0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0433

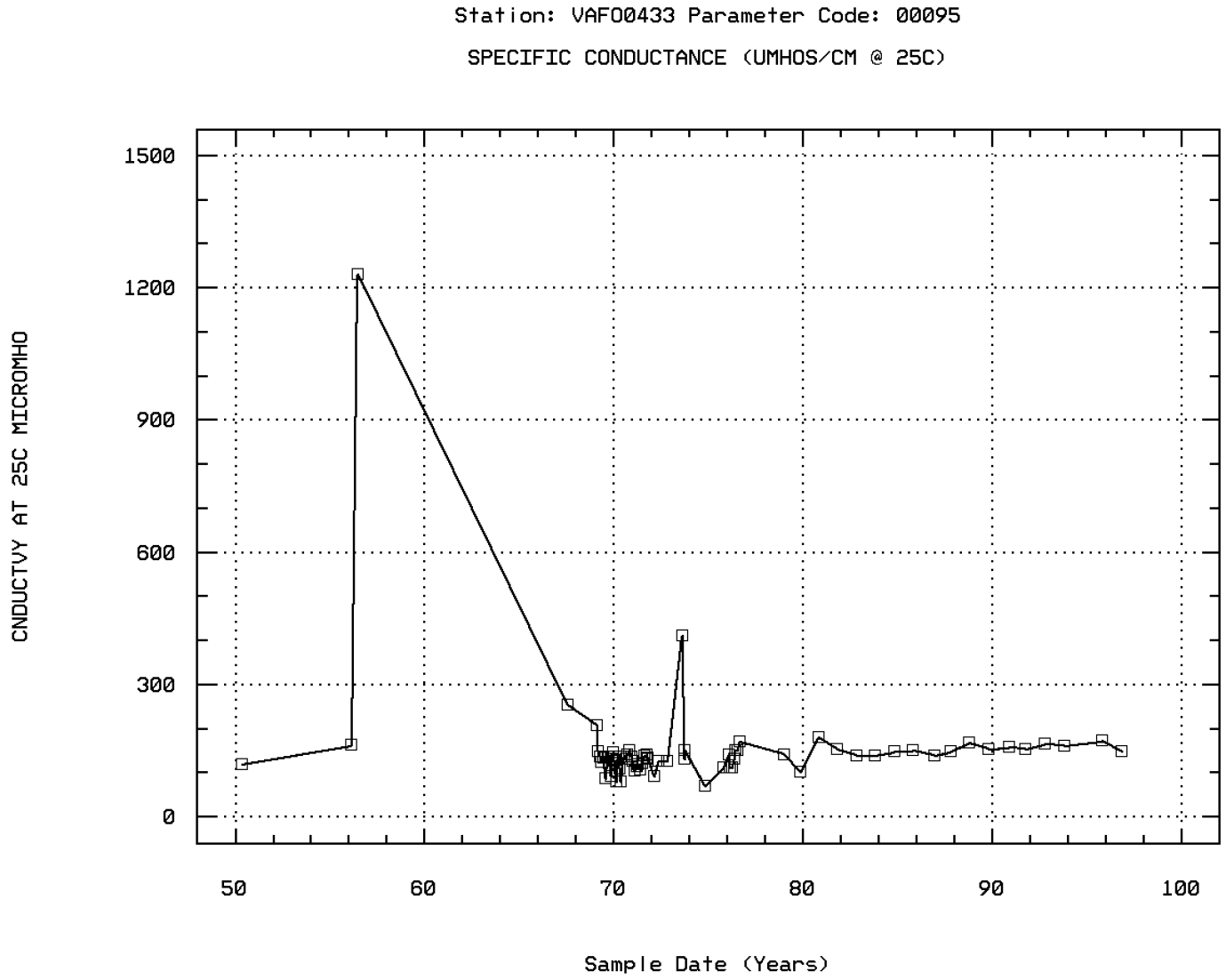
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	10	0	0.00	10	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	19	0	0.00	18	0	0.00				1	0	0.00			
00400	PH	Fresh Chronic	9.	62	0	0.00	34	0	0.00	11	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	62	5	0.08	34	1	0.03	11	2	0.18	17	2	0.12			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0433

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	13	0	0.00									
		Other-Lo Lim.	6.5	13	0	0.00	13	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	15	0	0.00	15	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	8	0	0.00	4	0	0.00	5	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	24	0	0.00	10	0	0.00	6	0	0.00	8	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	16	0	0.00	16	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	69	0	0.00	34	0	0.00	14	0	0.00	21	0	0.00			
		Drinking Water	250.	69	0	0.00	34	0	0.00	14	0	0.00	21	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	66	1	0.02	32	0	0.00	13	0	0.00	21	1	0.05			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	30	0	0.00	17	0	0.00	4	0	0.00	9	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00							4	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	4	0	0.00	1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	5	0.71	5	4	0.80	1	0	0.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00	2	2	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	29	0	0.00	10	0	0.00	7	0	0.00	12	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

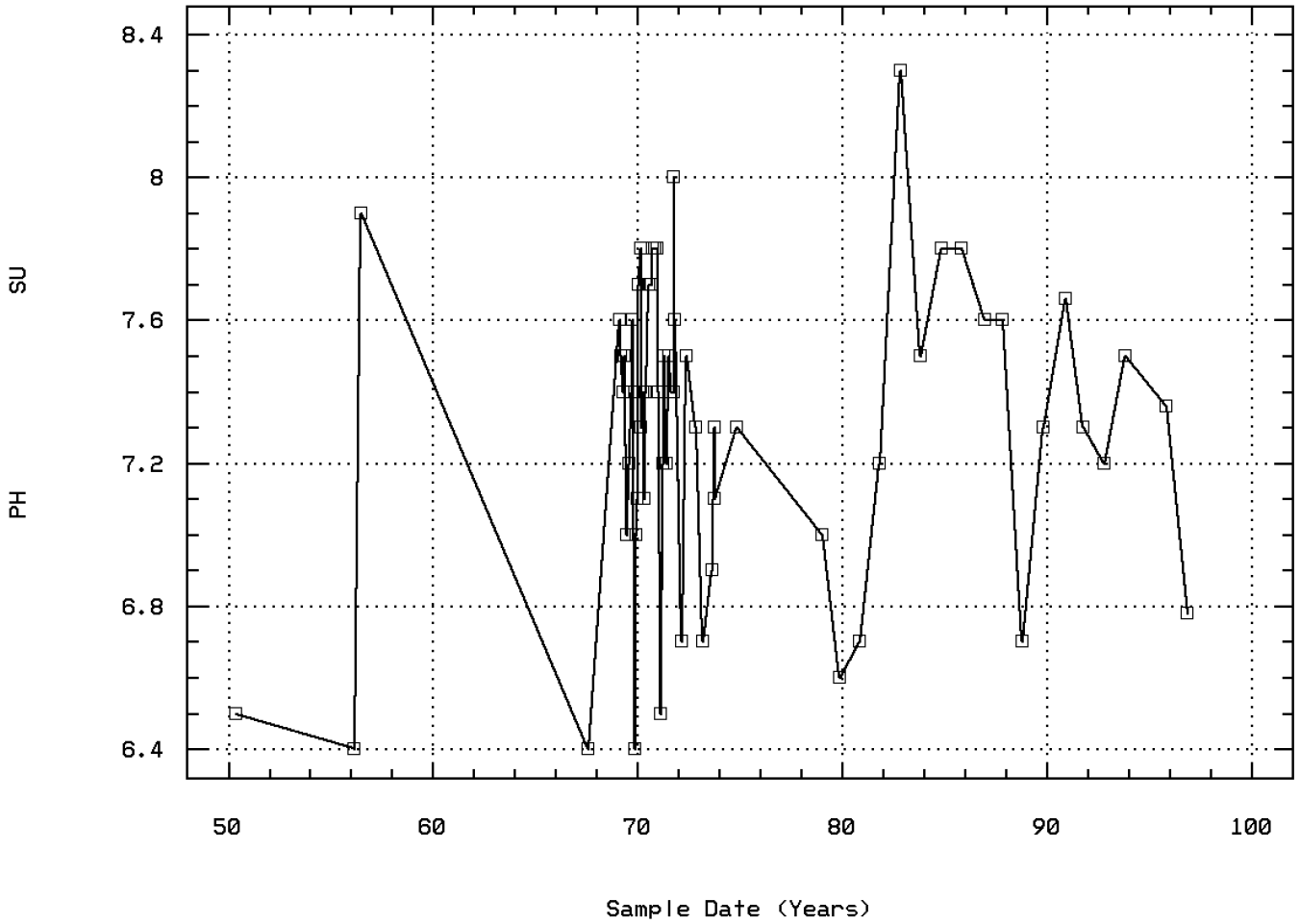
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00400

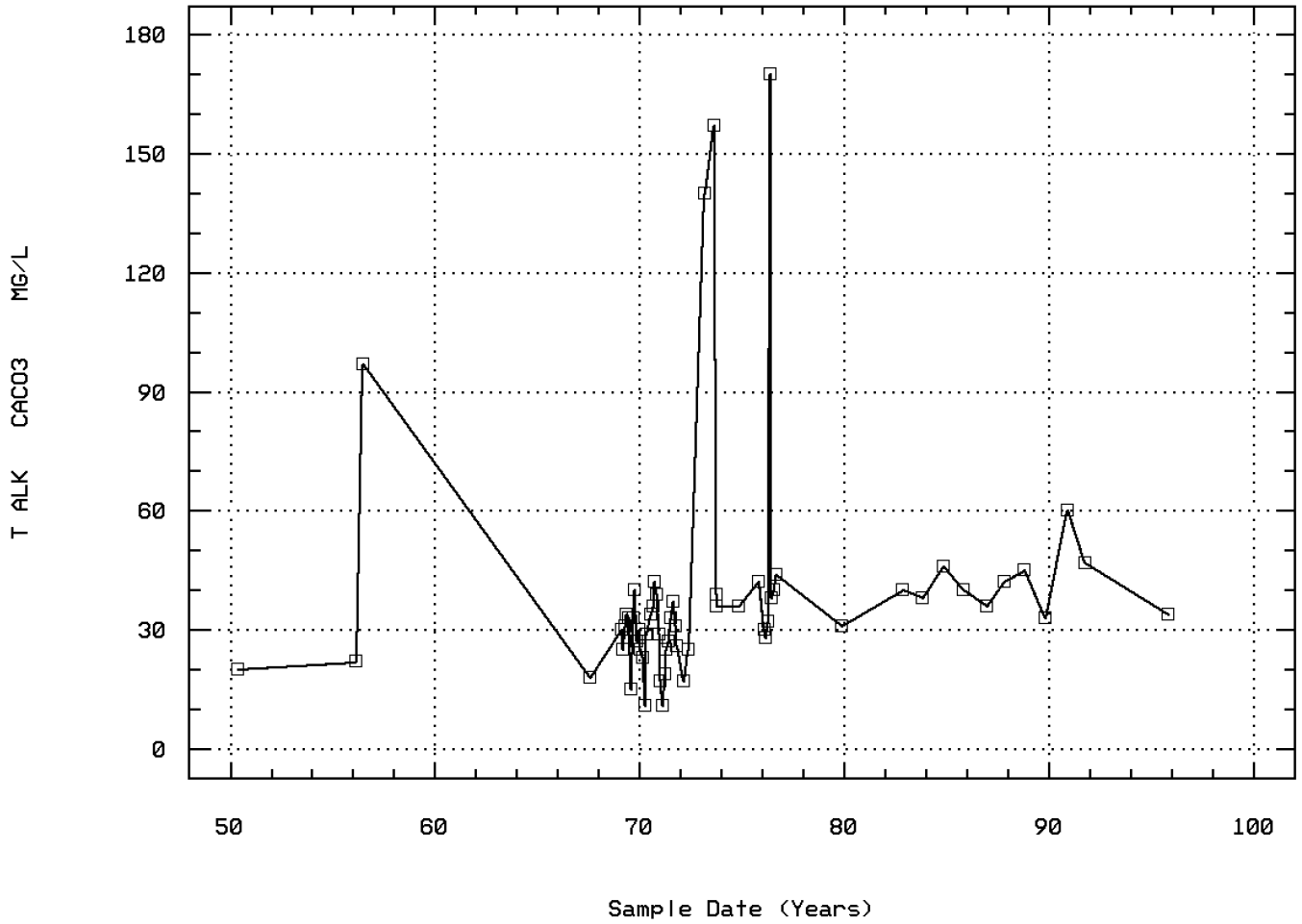
PH (STANDARD UNITS)



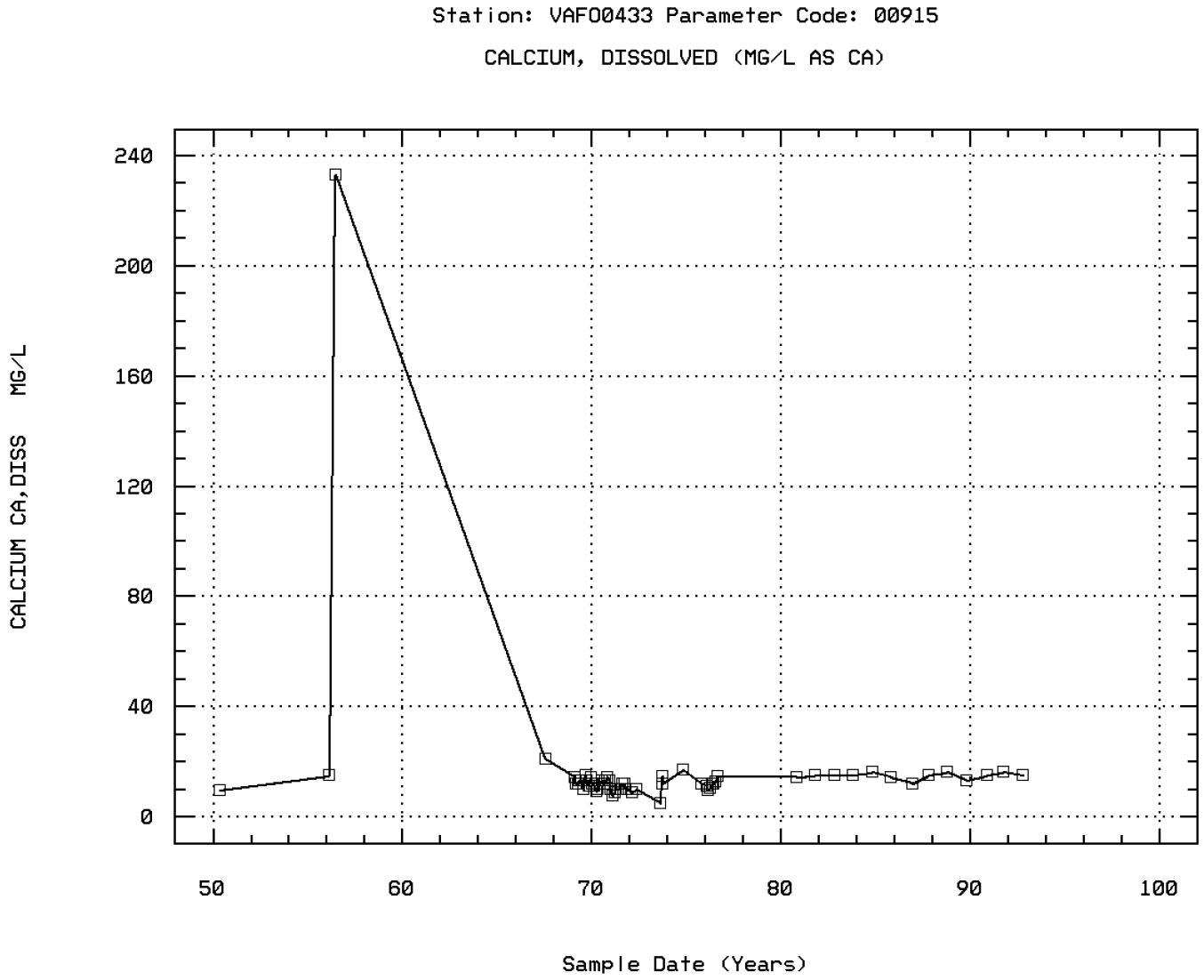
FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00410

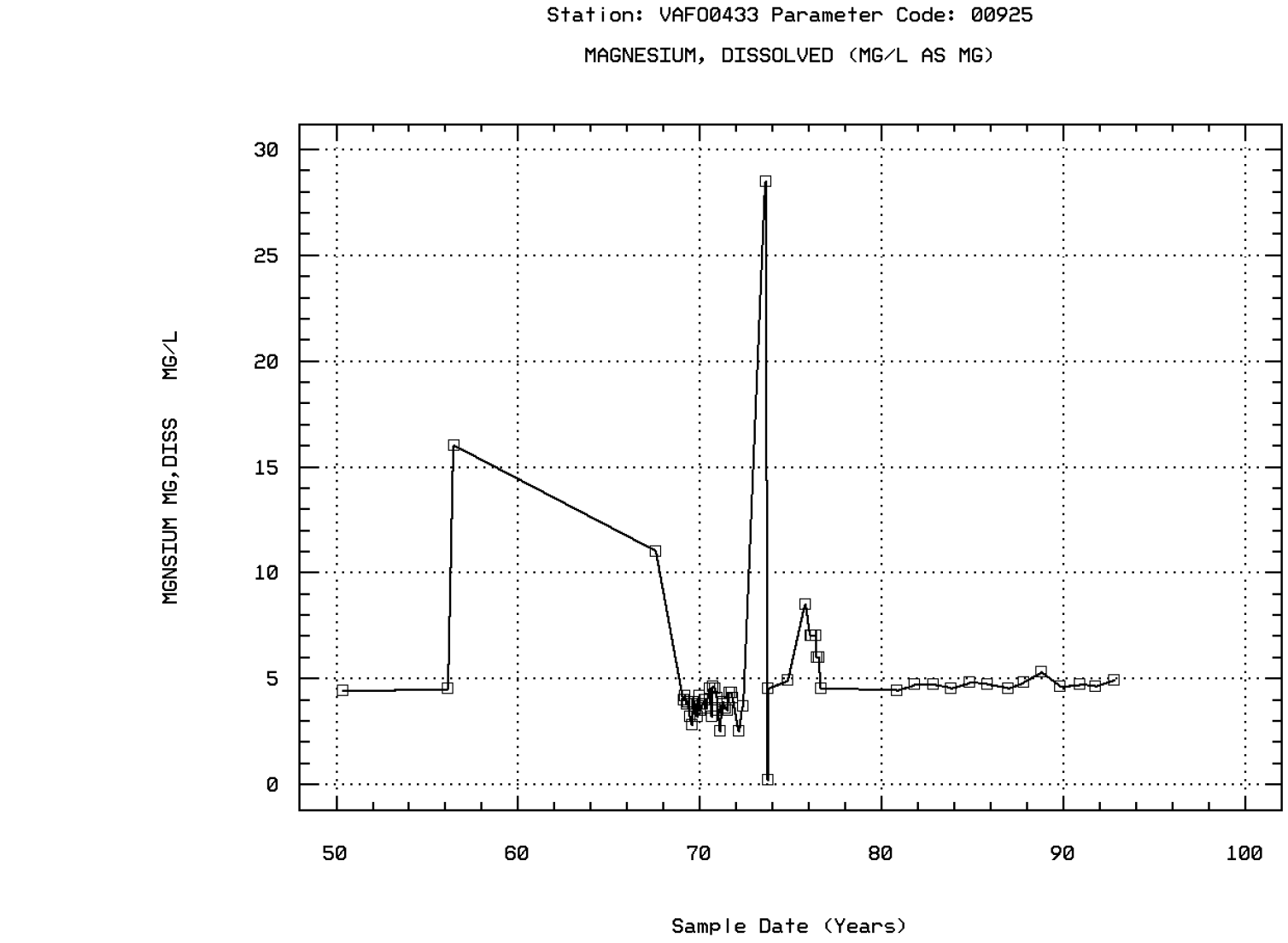
ALKALINITY, TOTAL (MG/L AS CACO3)



FRENCH CREEK NEAR PHOENIXVILLE, PA.



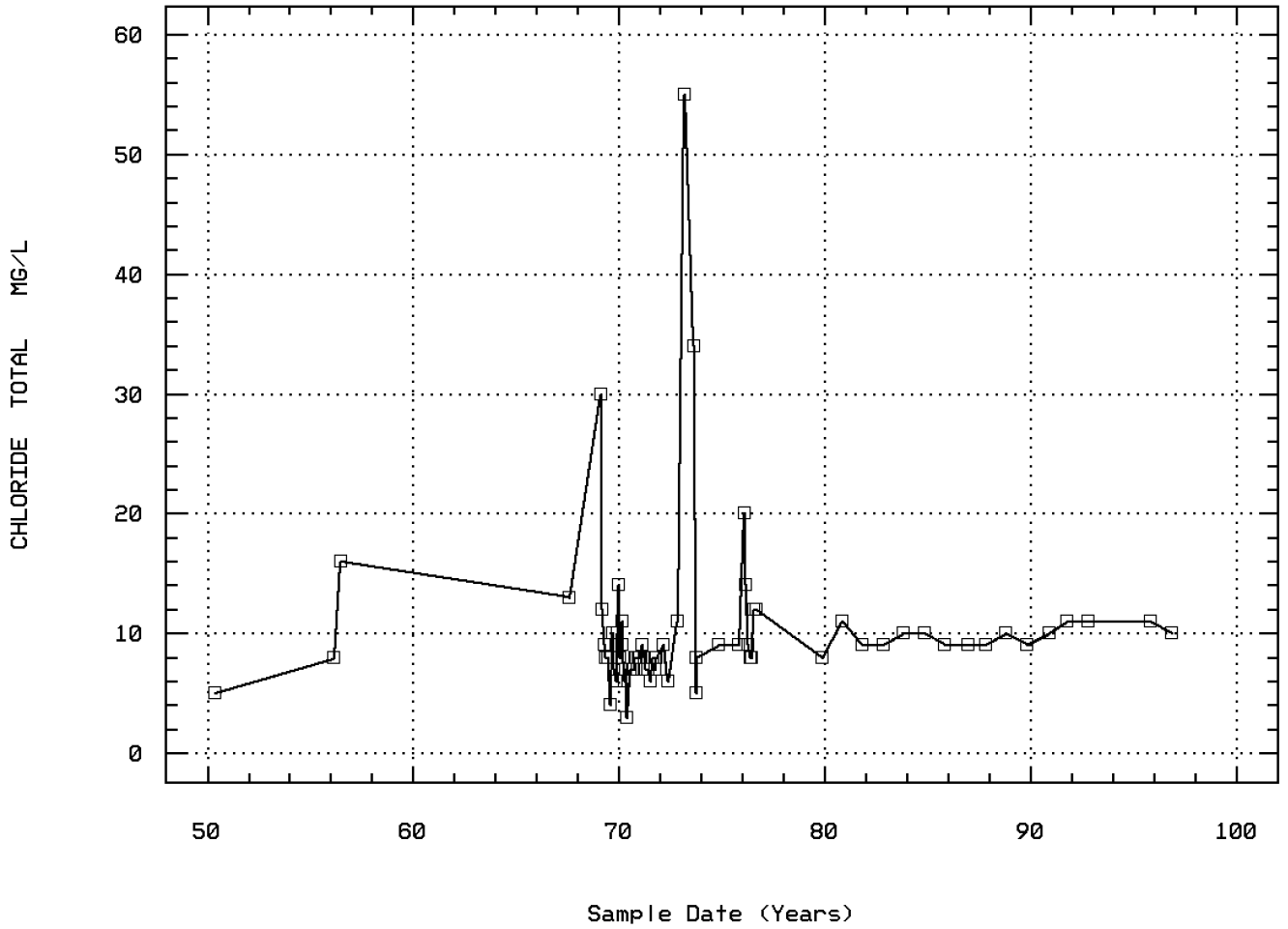
FRENCH CREEK NEAR PHOENIXVILLE, PA.



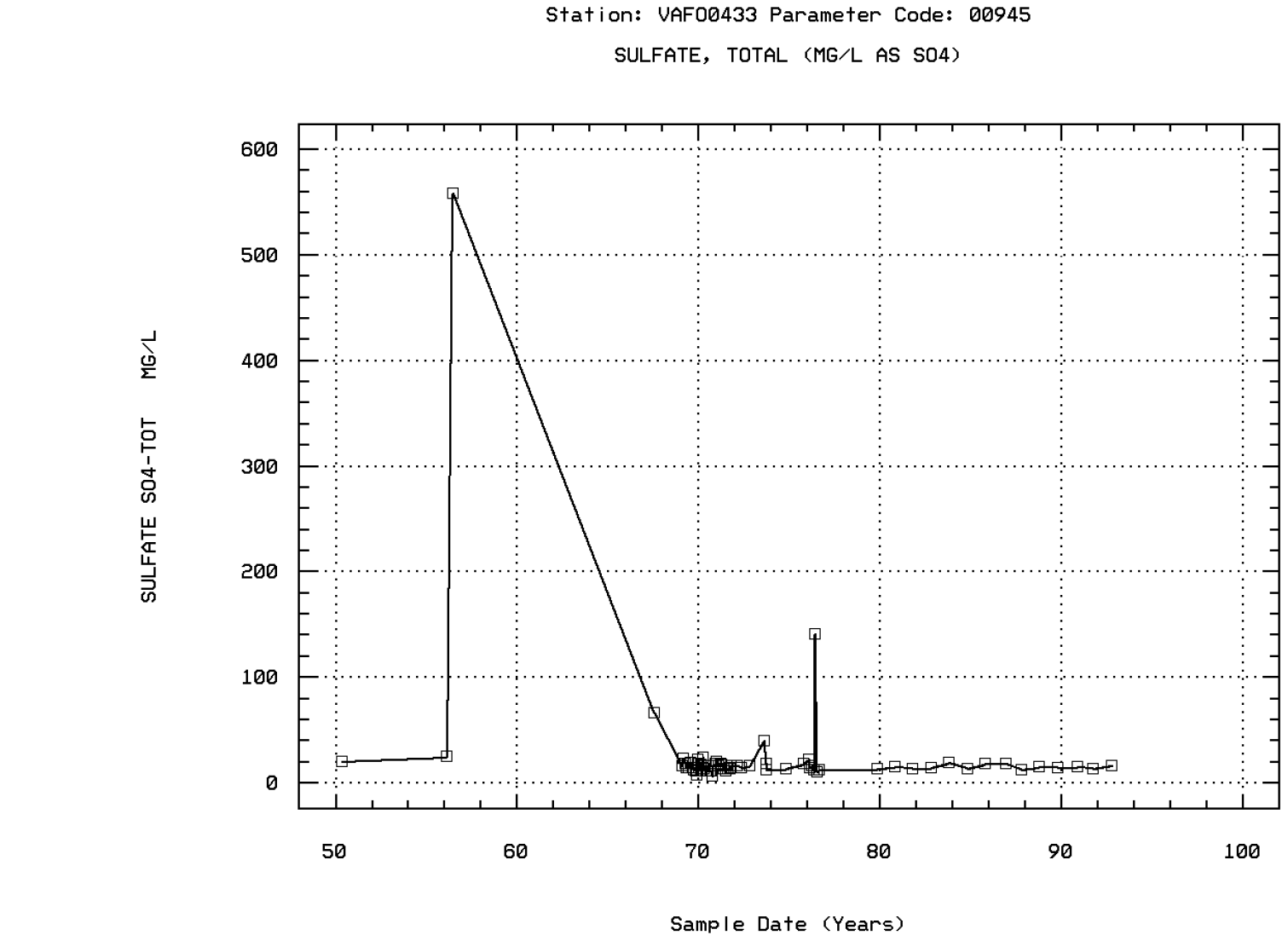
FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



FRENCH CREEK NEAR PHOENIXVILLE, PA.



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-10/28/96	34	10.75	10.738	22.	0.	28.07	5.298	4.	6.875	15.	17.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-10/28/96	19	13.5	14.074	27.	3.	51.809	7.198	4.	10.	18.	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-10/28/96	19	45.	47.947	121.	18.	745.164	27.298	20.	28.	57.	99.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/14/92	10	1.05	1.1	2.7	0.5	0.391	0.625	0.5	0.65	1.2	2.55
00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-05/09/72	9	4.	3.889	5.	2.	1.611	1.269	2.	2.5	5.	5.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-10/28/96	35	140.	139.457	180.	70.	479.491	21.897	106.8	130.	152.	166.2
00300	OXYGEN, DISSOLVED MG/L	08/13/73-10/28/96	18	11.4	11.439	13.6	9.9	1.221	1.105	9.99	10.325	12.025	13.42
00400p	PH (STANDARD UNITS)	05/25/50-10/28/96	34	7.38	7.359	8.3	6.4	0.176	0.419	6.7	7.1	7.615	7.8
00400p	CONVERTED PH (STANDARD UNITS)	05/25/50-10/28/96	34	7.38	7.153	8.3	6.4	0.219	0.468	6.7	7.1	7.615	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-10/28/96	34	0.042	0.07	0.398	0.005	0.007	0.083	0.016	0.024	0.079	0.2
00403	PH, LAB, STANDARD UNITS SU	11/06/80-10/14/92	13	7.6	7.546	8.1	7.1	0.078	0.279	7.14	7.3	7.75	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-10/14/92	13	7.6	7.467	8.1	7.1	0.084	0.291	7.14	7.3	7.75	7.98
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-10/14/92	13	0.025	0.034	0.079	0.008	0.	0.022	0.011	0.018	0.051	0.073
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-10/27/95	26	37.	36.885	60.	17.	69.386	8.33	26.7	31.	42.	46.3
00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-10/25/74	12	39.	39.167	51.	21.	72.152	8.494	24.3	33.5	46.25	50.4
00445	CARBONATE ION (MG/L AS CO3)	05/25/50-10/25/74	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/81-10/28/96	15	0.02	0.024	0.07	0.005	0.	0.02	0.005	0.008	0.04	0.058
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/21/81	10	0.02	0.032	0.08	0.	0.001	0.027	0.001	0.009	0.055	0.079
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/28/96	15 ##	0.005	0.009	0.03	0.005	0.	0.009	0.005	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-10/21/81	10	1.11	1.197	3.359	0.2	0.755	0.869	0.214	0.663	1.37	3.181
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/81-10/14/92	12	0.3	0.349	0.8	0.	0.036	0.189	0.06	0.293	0.4	0.71
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/14/92	13	0.3	0.325	0.7	0.1	0.023	0.153	0.136	0.21	0.4	0.62
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-10/28/96	16	1.4	1.369	1.8	0.8	0.093	0.305	0.94	1.1	1.6	1.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/14/92	20	0.025	0.034	0.17	0.005	0.001	0.037	0.005	0.013	0.048	0.06
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/81-10/14/92	12	0.02	0.016	0.03	0.005	0.	0.011	0.005	0.005	0.028	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/81-10/28/96	15	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.024
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-11/02/82	17	52.	51.118	64.	40.	48.61	6.972	40.8	46.5	55.5	63.2
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-10/25/74	12	16.5	19.75	53.	8.	140.205	11.841	8.6	12.5	22.5	45.2
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-10/14/92	27	14.	13.756	17.	10.	3.367	1.835	10.8	12.	15.	16.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-10/14/92	27	4.5	4.426	8.5	0.2	1.526	1.235	3.44	4.1	4.7	4.98
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-10/14/92	23	6.2	6.087	7.4	3.5	0.678	0.823	5.16	5.6	6.6	7.12
00931p	SODIUM ADSORPTION RATIO	05/25/50-11/02/82	15	0.4	0.38	0.7	0.2	0.013	0.115	0.26	0.3	0.4	0.58
00932p	SODIUM, PERCENT	05/25/50-11/02/82	15	19.	20.067	33.	15.	15.781	3.973	16.8	18.	20.	27.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-10/14/92	23	1.8	1.852	2.8	1.1	0.134	0.367	1.34	1.7	2.	2.44
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-10/28/96	34	9.	9.029	14.	5.	2.939	1.714	7.	8.	10.	11.
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-10/14/92	32	14.	14.531	22.	6.	11.741	3.427	11.	13.	17.5	18.7
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-10/14/92	17	0.1	0.168	0.4	0.	0.014	0.117	0.04	0.075	0.3	0.32
00955p	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-10/14/92	25	16.	16.04	20.	13.	2.29	1.513	14.6	15.	17.	18.4
01046	IRON, DISSOLVED (UG/L AS FE)	10/25/74-10/14/92	14	98.5	86.857	120.	38.	887.824	29.796	40.	52.5	112.5	120.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/25/74-10/14/92	14	6.	8.571	20.	3.	35.495	5.958	3.5	4.	13.	20.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/19/69-10/14/92	11	10.	11.818	30.	0.	86.364	9.293	1.	5.	20.	28.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-10/14/87	17	98.	97.353	109.	85.	45.368	6.736	86.6	92.5	102.	106.6
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/02/82	13	0.13	0.129	0.14	0.11	0.	0.01	0.114	0.12	0.14	0.14
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/67-10/21/81	9	0.01	0.016	0.04	0.005	0.	0.012	0.005	0.01	0.025	0.04
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/29/56-11/02/82	10	4.55	4.91	7.7	2.6	3.039	1.743	2.62	3.55	6.55	7.63

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-10/28/96	13	5.	5.5	13.	0.	16.167	4.021	0.2	1.	8.	11.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-10/28/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-10/28/96	4	100.	103.5	150.	64.	1515.667	38.932	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-05/09/72	9	5.	4.444	7.	3.	2.278	1.509	3.	3.	5.5	7.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-10/28/96	13	126.	126.923	206.	80.	1086.41	32.961	84.	107.	143.5	188.8
00400p	PH (STANDARD UNITS)	05/25/50-10/28/96	11	7.3	7.164	7.8	6.4	0.253	0.503	6.42	6.7	7.6	7.78

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	05/25/50-10/28/96	11	7.3	6.908	7.8	6.4	0.324	0.569	6.42	6.7	7.6	7.78
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-10/28/96	11	0.05	0.124	0.398	0.016	0.018	0.134	0.017	0.025	0.2	0.382
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-10/27/95	13	25.	31.769	140.	11.	1103.526	33.219	11.	18.	30.	96.8
00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-10/25/74	9	27.	25.	37.	13.	64.25	8.016	13.	17.5	31.	37.
00445	CARBONATE ION (MG/L AS CO3)	05/25/50-10/25/74	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/21/81	4	0.03	0.054	0.15	0.005	0.004	0.065	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-10/21/81	6	2.3	2.286	4.099	0.4	1.486	1.219	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/14/92	4	0.135	0.308	0.9	0.06	0.159	0.398	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-11/02/82	12	44.	43.333	56.	29.	98.606	9.93	29.3	33.25	52.75	56.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-10/25/74	9	20.	21.778	34.	15.	33.444	5.783	15.	18.5	25.	34.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-10/14/92	12	10.7	10.733	15.	7.5	5.161	2.272	7.8	8.7	12.	14.7
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-10/14/92	12	3.9	3.983	7.	1.	2.92	1.709	1.45	2.75	4.425	7.
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-10/14/92	3	4.8	4.467	5.2	3.4	0.893	0.945	**	**	**	**
00931p	SODIUM ADSORPTION RATIO	05/25/50-11/02/82	8	0.4	0.538	1.2	0.2	0.103	0.32	**	**	**	**
00932p	SODIUM, PERCENT	05/25/50-11/02/82	7	25.	27.286	46.	15.	104.238	10.21	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-10/14/92	3	1.8	2.3	3.8	1.3	1.75	1.323	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-10/28/96	14	9.	14.857	55.	6.	172.901	13.149	7.	8.	15.5	42.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-10/14/92	13	17.	18.308	25.	13.	15.231	3.903	13.4	16.	22.5	24.6
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-10/14/92	4	0.1	0.1	0.2	0.	0.007	0.082	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-10/14/92	4	11.4	11.075	15.	6.5	13.889	3.727	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-10/14/87	6	95.5	98.667	131.	76.	384.667	19.613	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/02/82	6	0.13	0.133	0.18	0.1	0.001	0.029	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/67-10/21/81	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/29/56-11/02/82	7	6.3	6.086	8.2	1.3	5.631	2.373	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/50-10/28/96	18	20.5	19.111	27.	11.	22.222	4.714	12.8	14.	22.	25.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-10/28/96	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-10/28/96	5	50.	43.2	61.	24.	306.7	17.513	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/25/50-05/09/72	13	5.	5.308	12.	2.	9.231	3.038	2.	2.5	7.5	10.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/50-10/28/96	21	130.	197.571	1230.	80.	60816.457	246.61	89.8	118.5	150.	378.8
00300	OXYGEN, DISSOLVED MG/L	08/13/73-10/28/96	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	05/25/50-10/28/96	17	7.4	7.282	7.9	6.4	0.164	0.405	6.48	7.05	7.5	7.74
00400p	CONVERTED PH (STANDARD UNITS)	05/25/50-10/28/96	17	7.4	7.071	7.9	6.4	0.212	0.46	6.48	7.05	7.5	7.74
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/50-10/28/96	17	0.04	0.085	0.398	0.013	0.012	0.108	0.018	0.032	0.09	0.333
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/50-10/27/95	20	33.5	47.15	170.	15.	1861.082	43.14	18.2	25.5	39.5	151.
00440	BICARBONATE ION (MG/L AS HCO3)	05/25/50-10/25/74	15	38.	40.2	118.	18.	531.171	23.047	20.4	31.	42.	74.2
00445	CARBONATE ION (MG/L AS CO3)	05/25/50-10/25/74	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/70-10/21/81	5	0.07	0.072	0.11	0.04	0.001	0.029	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/50-10/21/81	8	1.489	1.925	3.839	1.299	0.872	0.934	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/70-10/14/92	5	0.11	0.086	0.13	0.02	0.002	0.048	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/50-11/02/82	20	47.	88.4	650.	37.	19348.147	139.098	40.	40.25	56.25	220.4
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/50-10/25/74	15	15.	54.2	550.	6.	19120.171	138.276	6.6	12.	22.	268.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/50-10/14/92	20	12.	22.72	233.	4.8	2458.717	49.585	9.46	10.	13.	20.34
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/50-10/14/92	20	4.1	6.37	28.5	2.8	36.953	6.079	3.2	3.6	6.	15.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/25/50-10/14/92	8	5.15	6.038	8.7	4.8	2.631	1.622	**	**	**	**
00931p	SODIUM ADSORPTION RATIO	05/25/50-11/02/82	14	0.4	0.407	0.6	0.2	0.011	0.107	0.25	0.3	0.5	0.55
00932p	SODIUM, PERCENT	05/25/50-11/02/82	14	21.5	22.643	31.	15.	24.247	4.924	15.5	19.25	27.25	30.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/25/50-10/14/92	8	1.55	1.475	2.	0.9	0.148	0.385	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/25/50-10/28/96	21	8.	9.286	34.	3.	41.314	6.428	4.2	6.5	10.5	15.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/25/50-10/14/92	21	14.	49.571	558.	10.	14435.657	120.148	11.	12.	19.5	125.2
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	05/25/50-10/14/92	9	0.1	0.1	0.3	0.	0.013	0.112	0.	0.	0.2	0.3
00955p	SILICA, DISSOLVED (MG/L AS SI02)	05/25/50-10/14/92	11	15.	15.709	29.	9.8	26.651	5.162	10.24	12.	18.	26.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

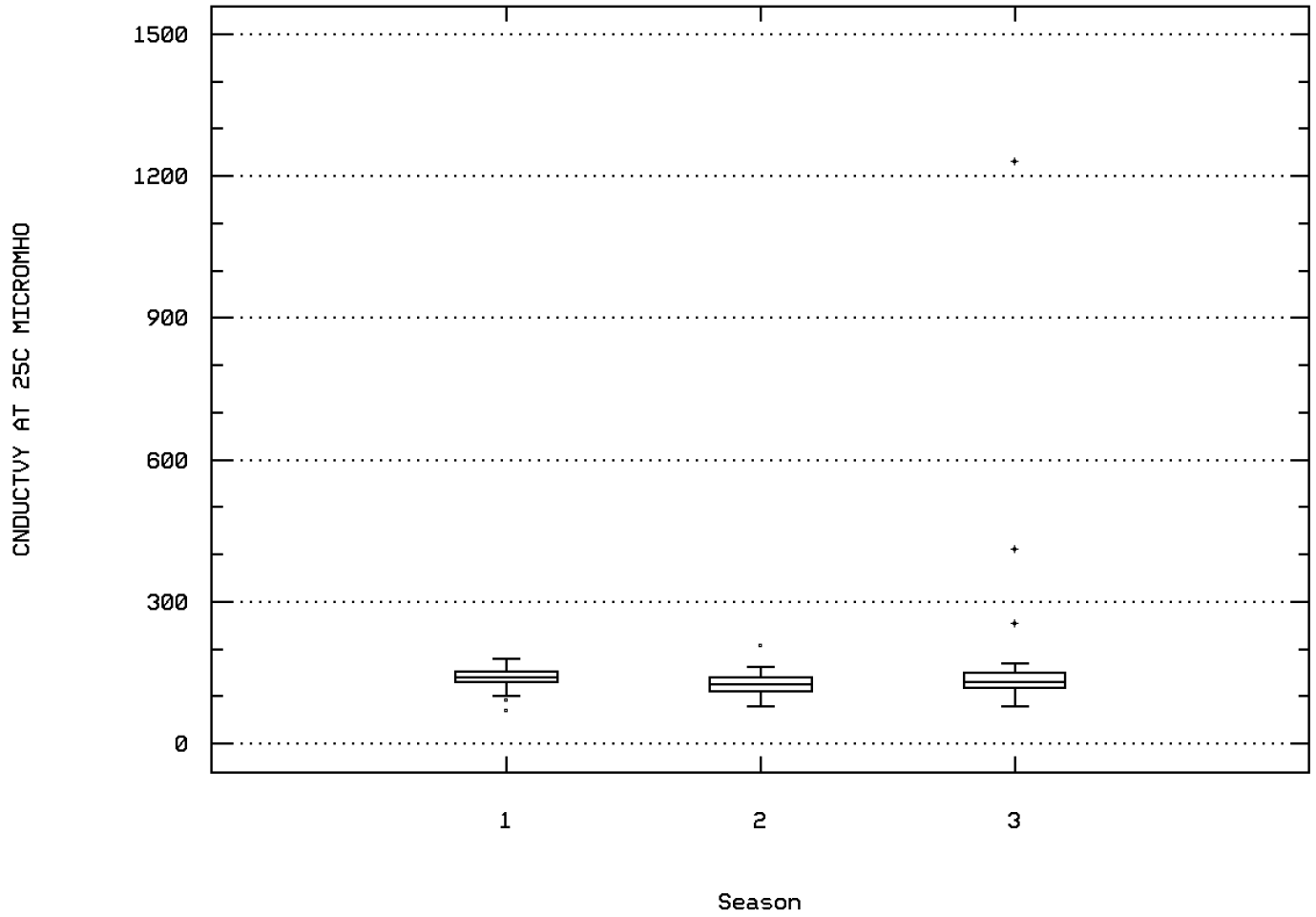
Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0433

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/50-10/14/87	11	99.	187.909	1040.	77.	80672.091	284.028	77.6	89.	112.	868.4
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/50-11/02/82	11	0.13	0.255	1.41	0.1	0.148	0.385	0.102	0.12	0.15	1.178
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/07/67-10/21/81	3	0.03	0.031	0.05	0.014	0.	0.018	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/29/56-11/02/82	12	4.4	3.867	5.5	0.7	2.028	1.424	1.15	2.625	4.775	5.35

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VAFO0433 Parameter Code: 00095

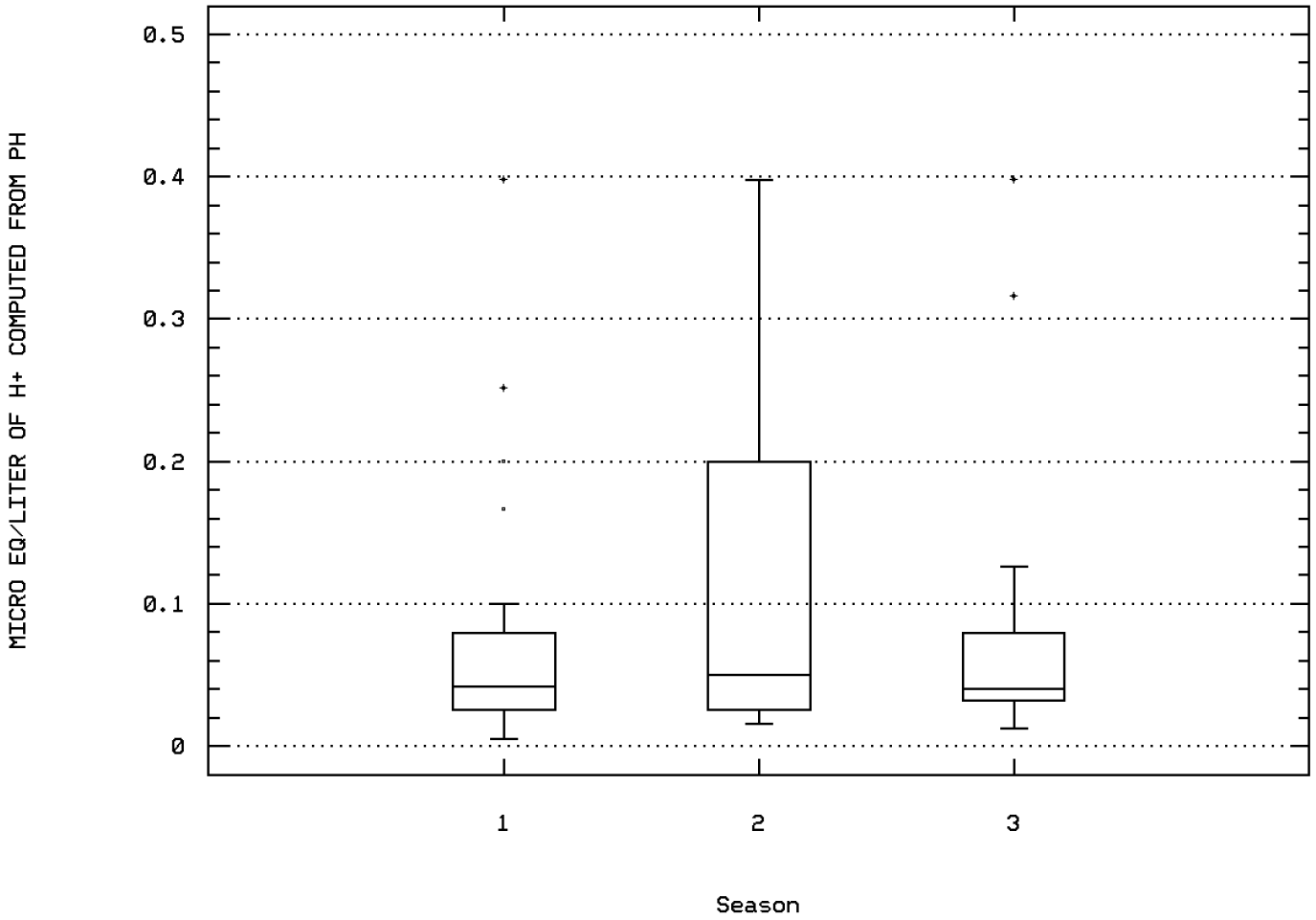
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00400

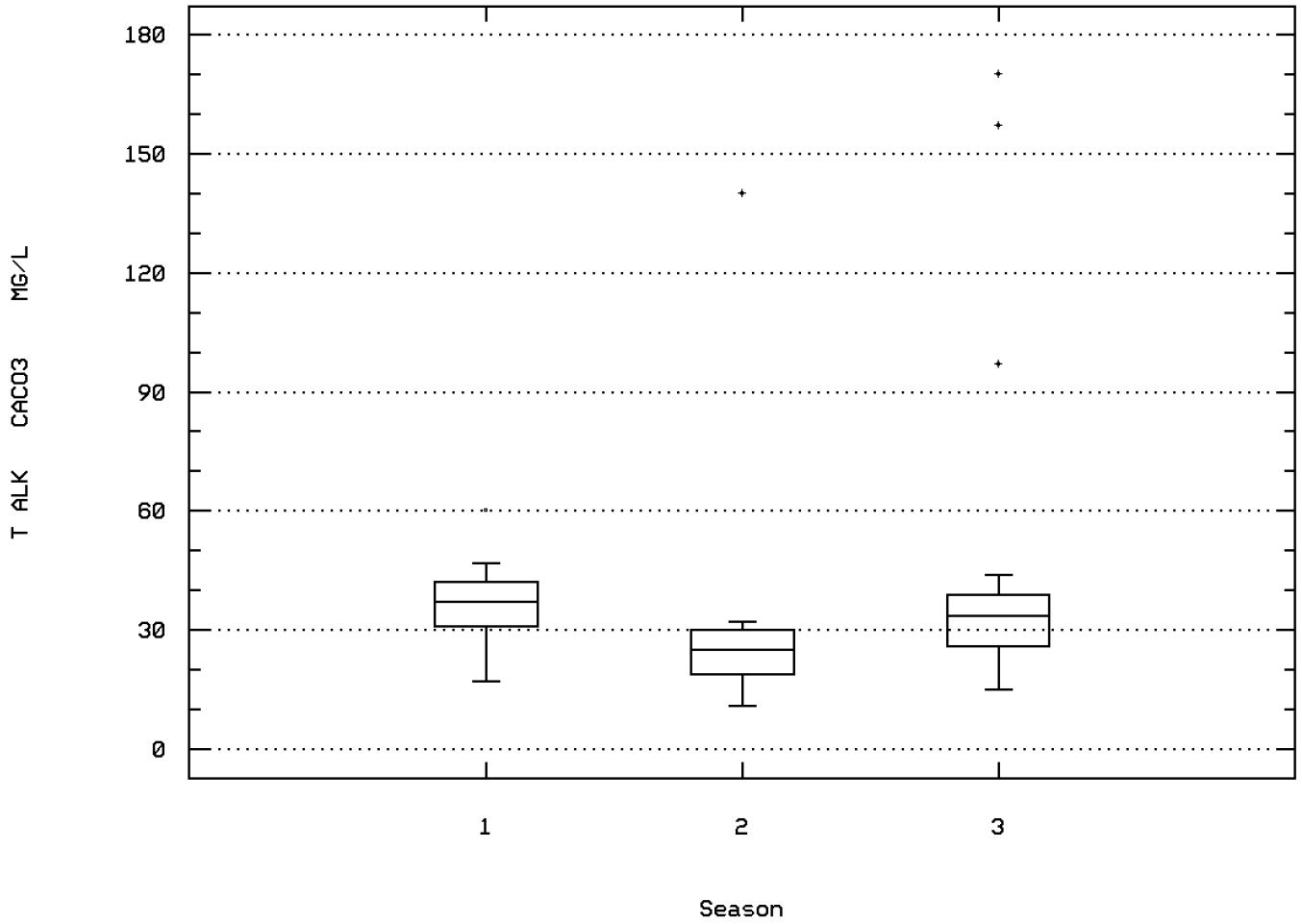
MICRO EQ/LITER OF H+ COMPUTED FROM PH



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00410

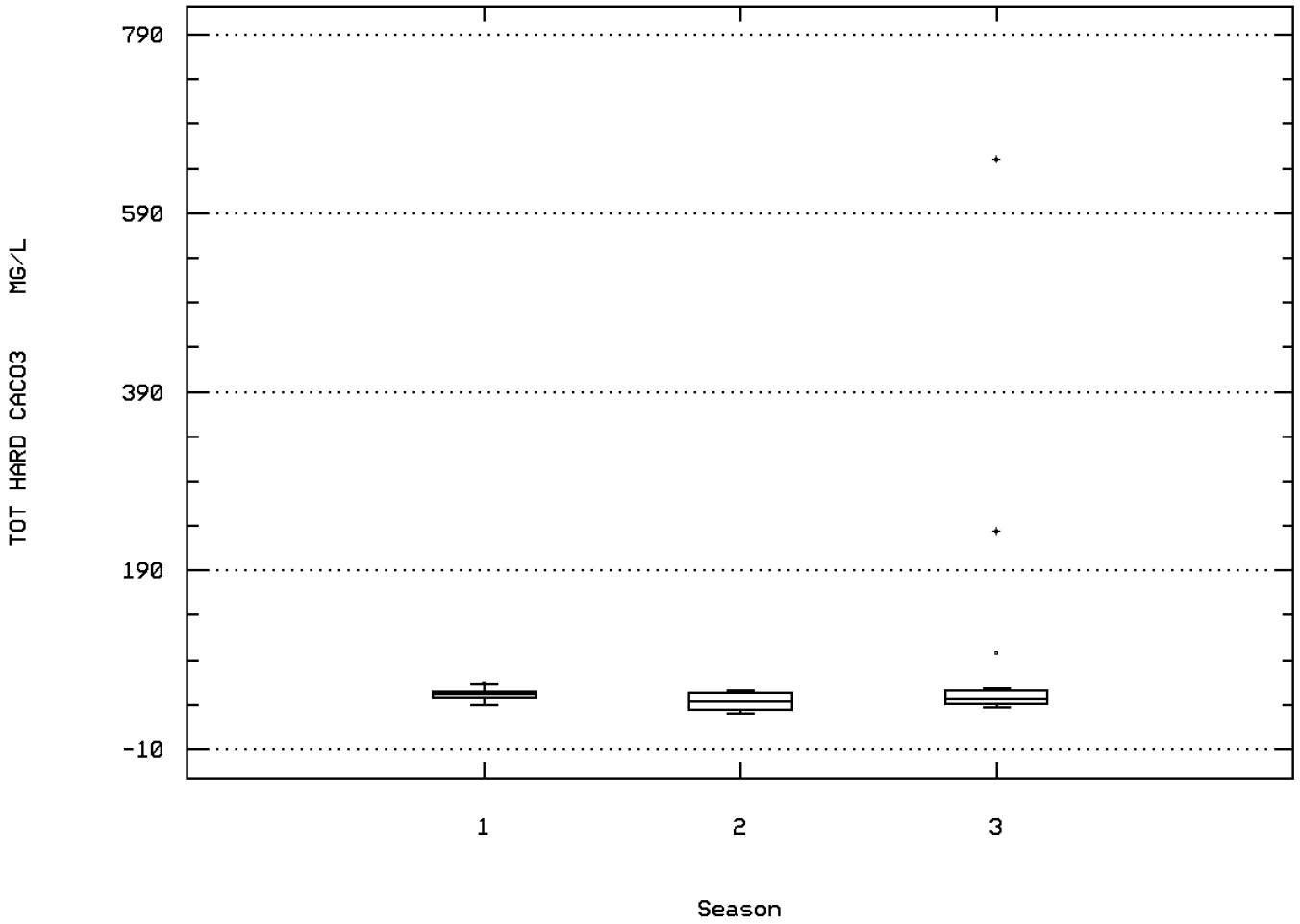
ALKALINITY, TOTAL (MG/L AS CACO3)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00900

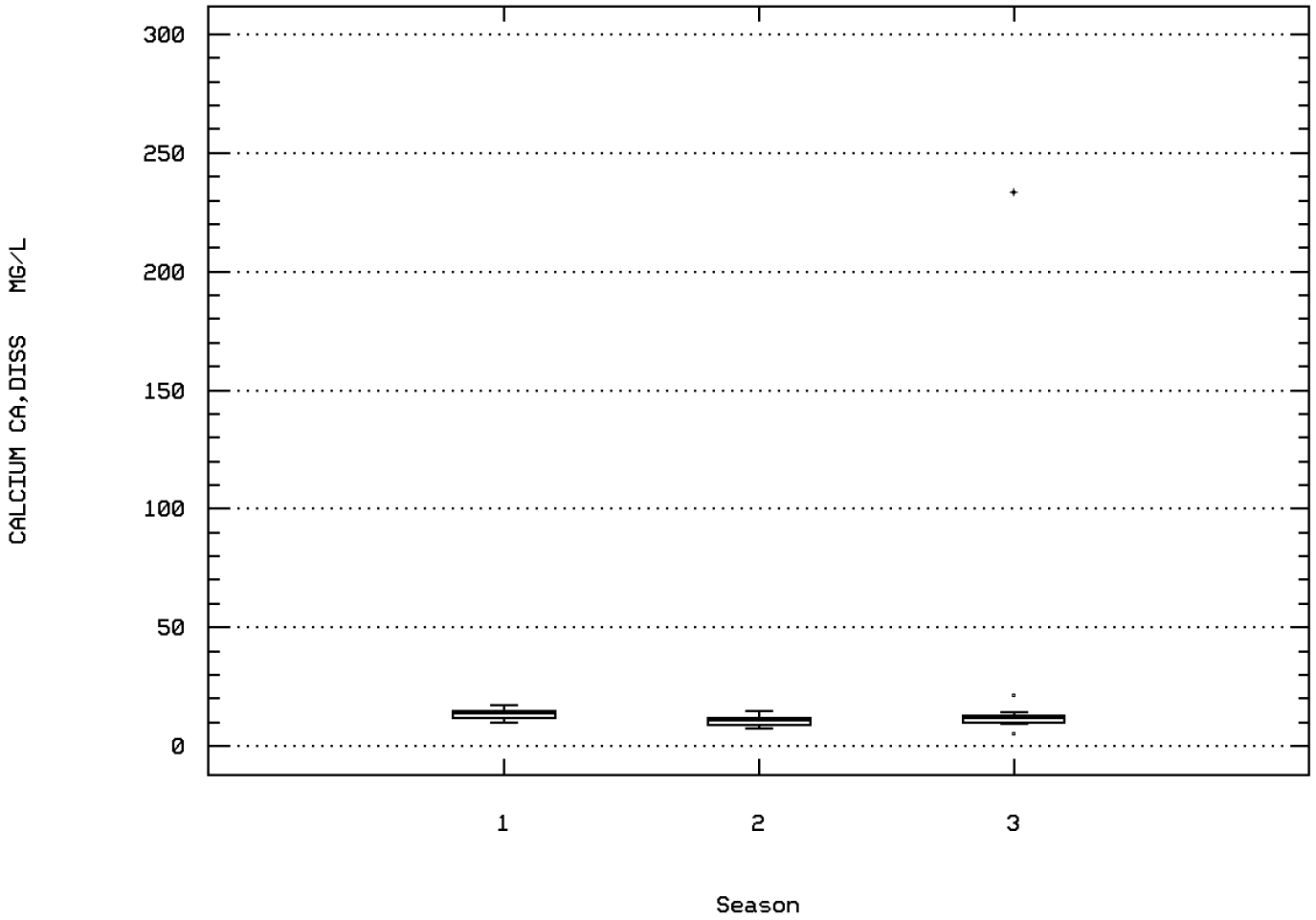
HARDNESS, TOTAL (MG/L AS CACO3)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00915

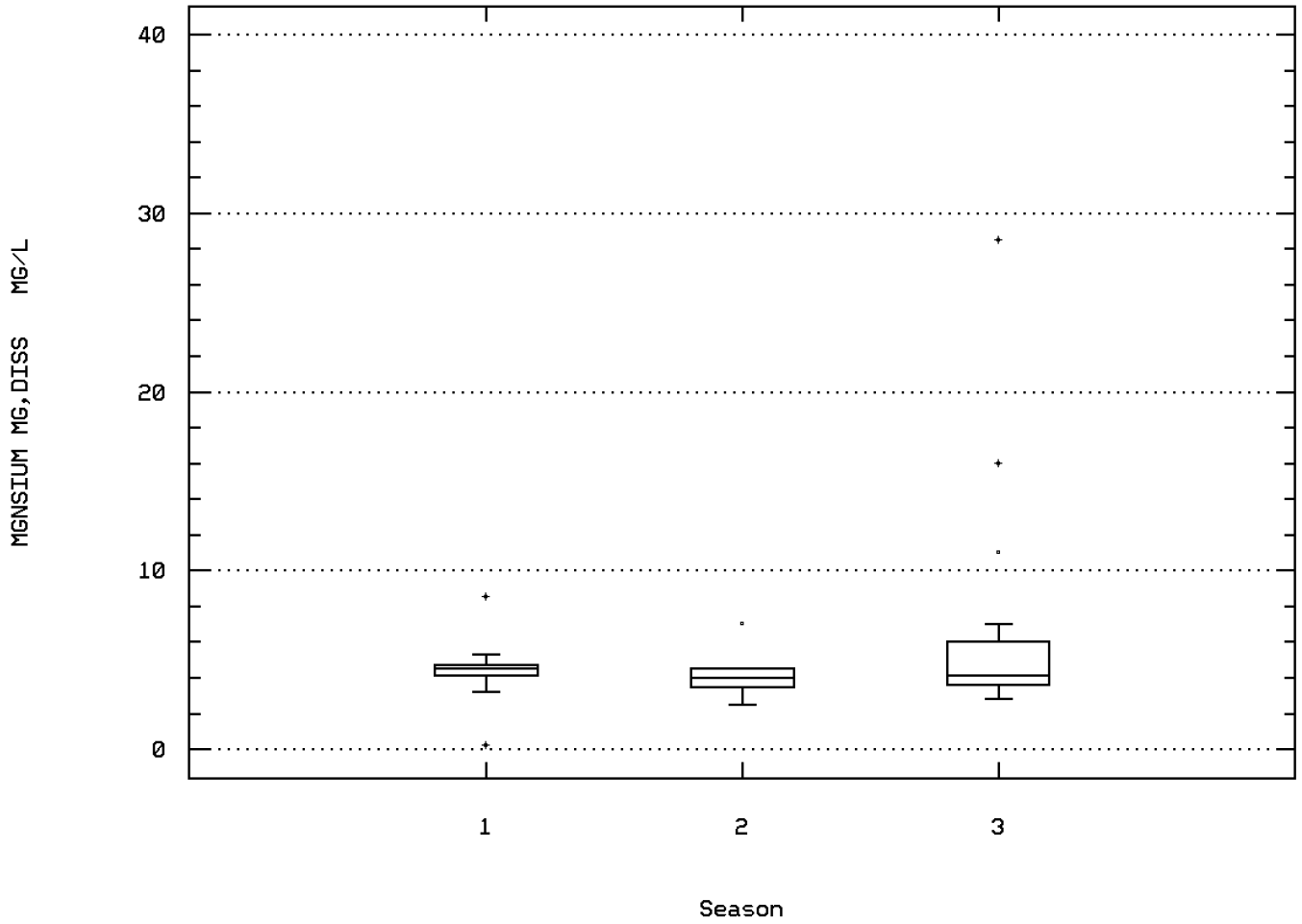
CALCIUM, DISSOLVED (MG/L AS CA)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00925

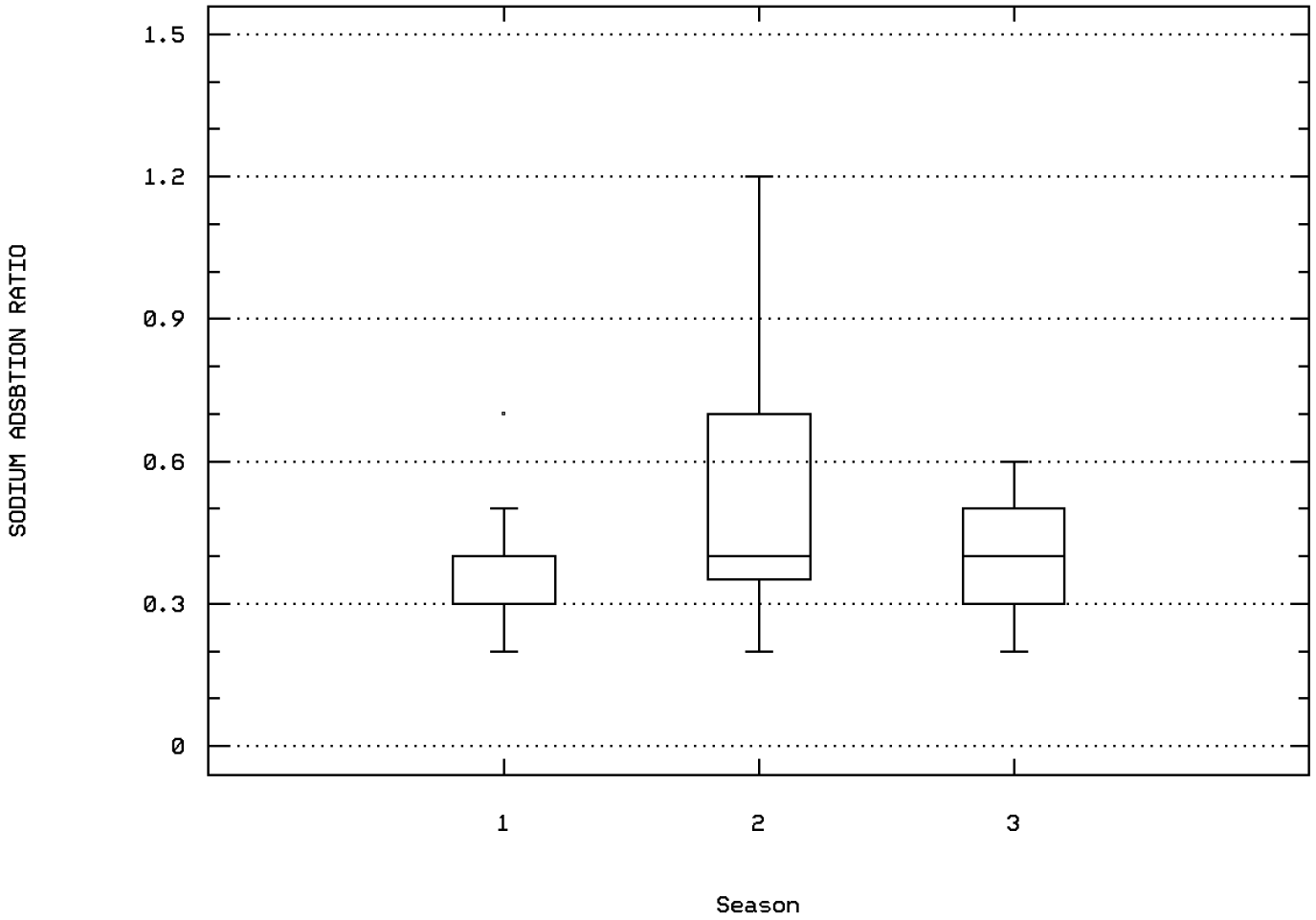
MAGNESIUM, DISSOLVED (MG/L AS MG)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00931

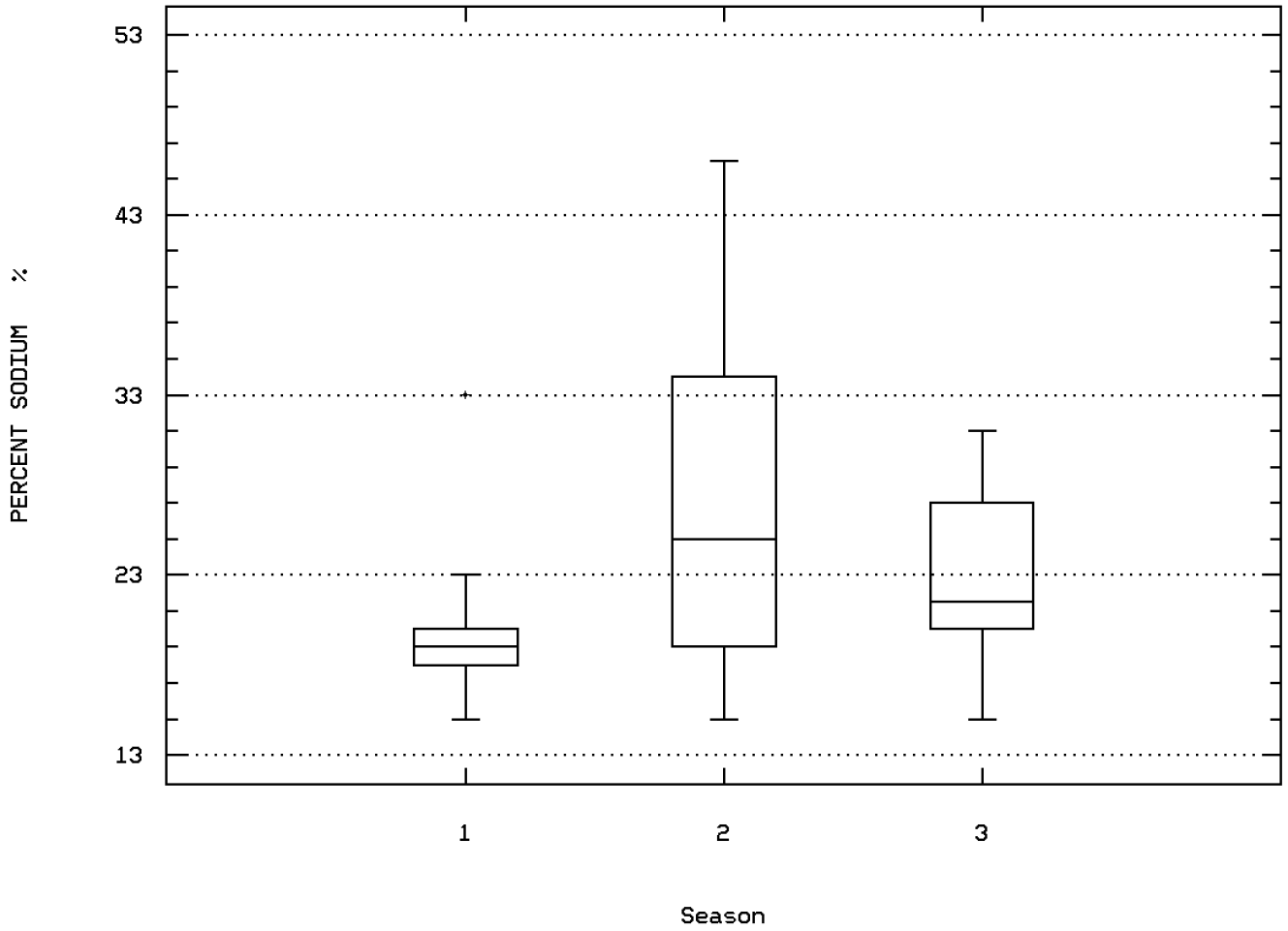
SODIUM ADSORPTION RATIO



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00932

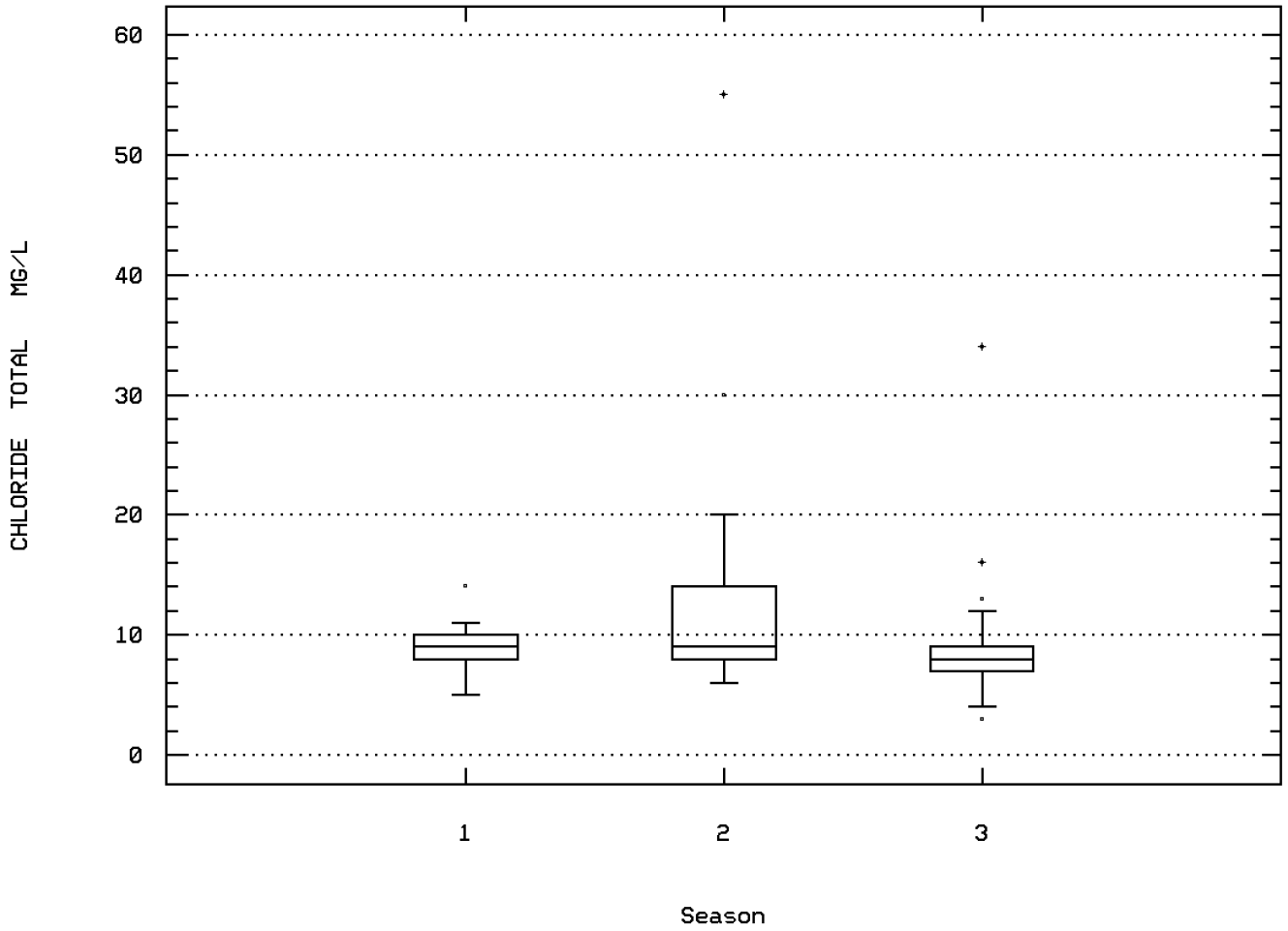
SODIUM, PERCENT



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00940

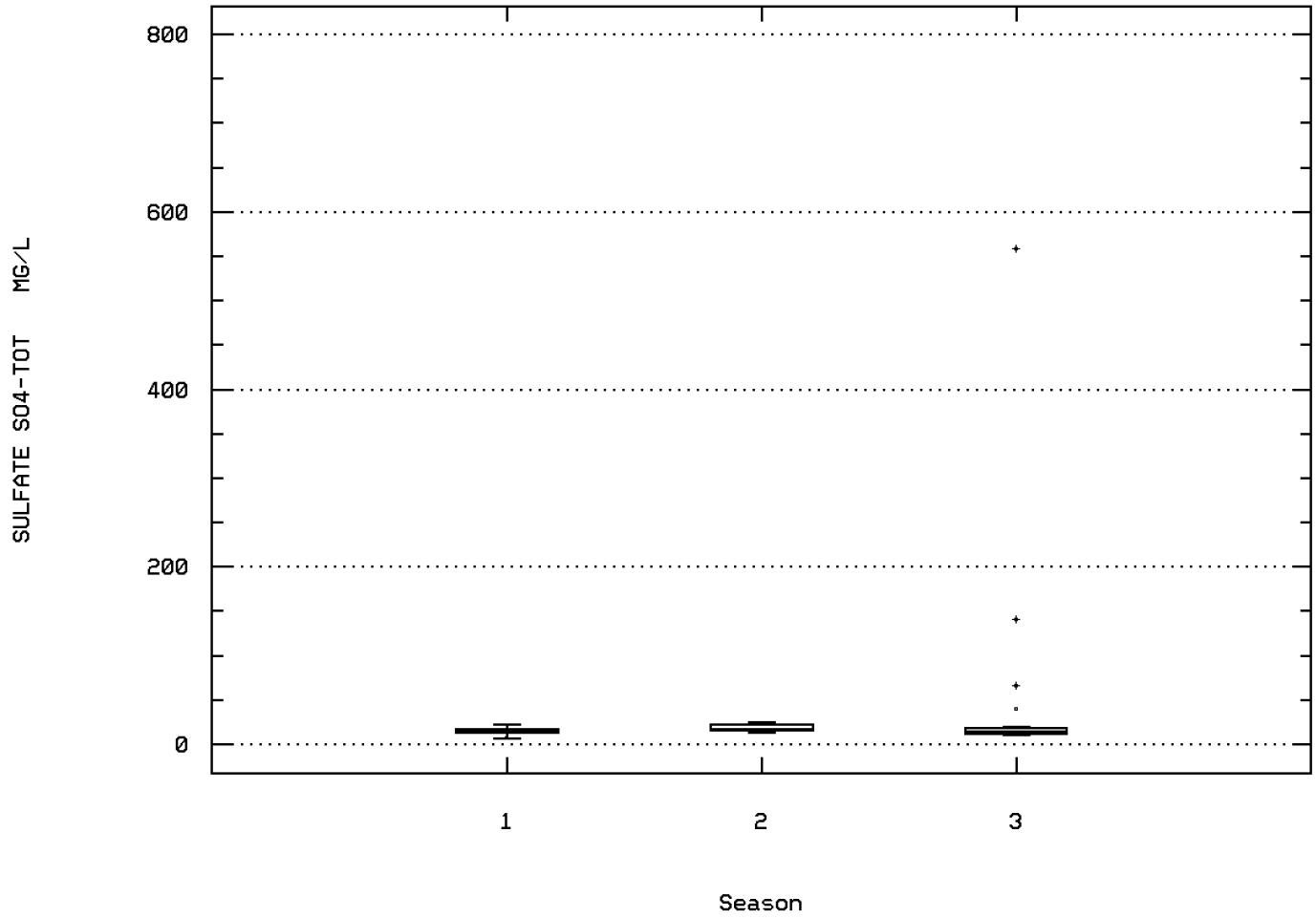
CHLORIDE,TOTAL IN WATER



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAF00433 Parameter Code: 00945

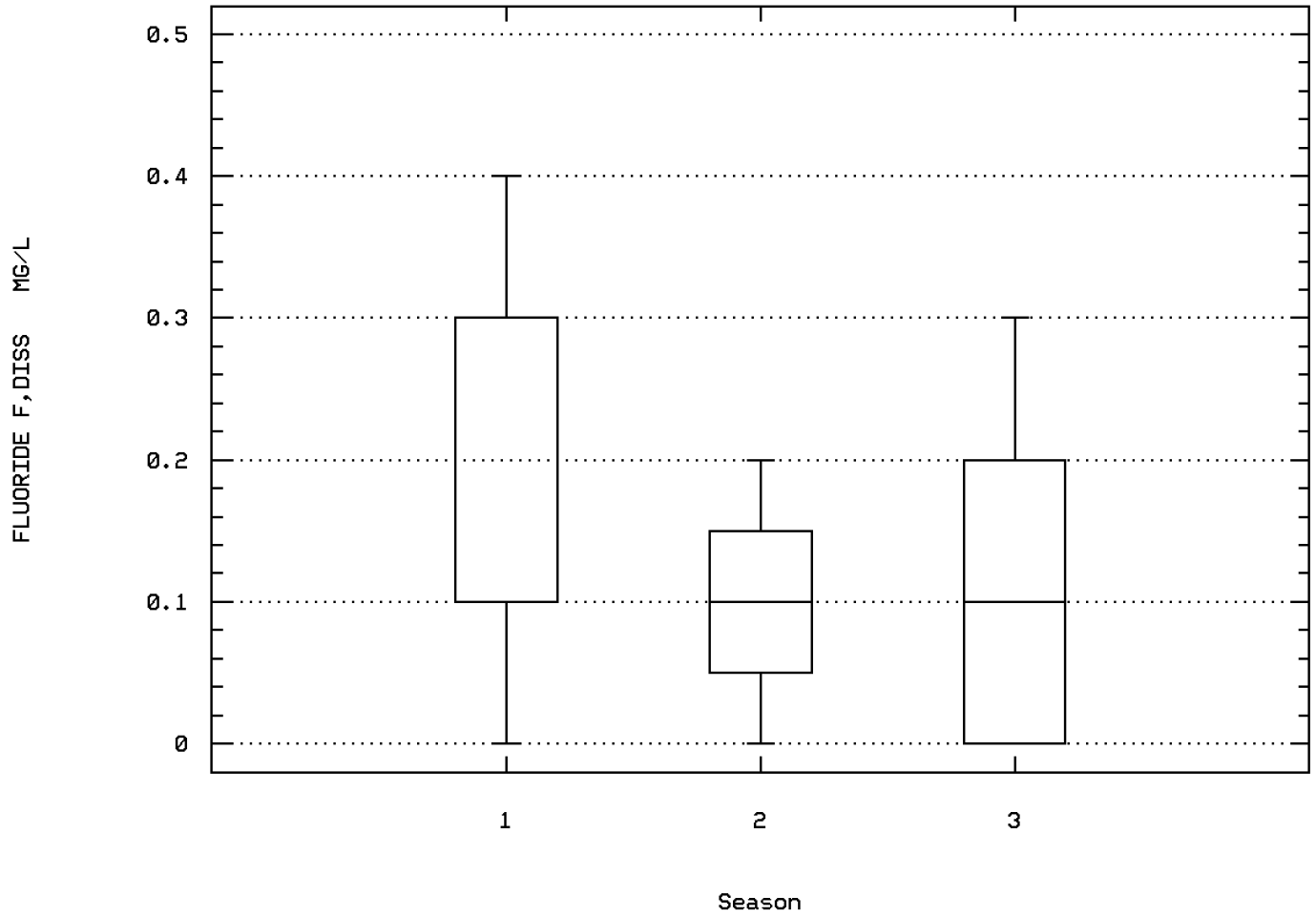
SULFATE, TOTAL (MG/L AS SO4)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00950

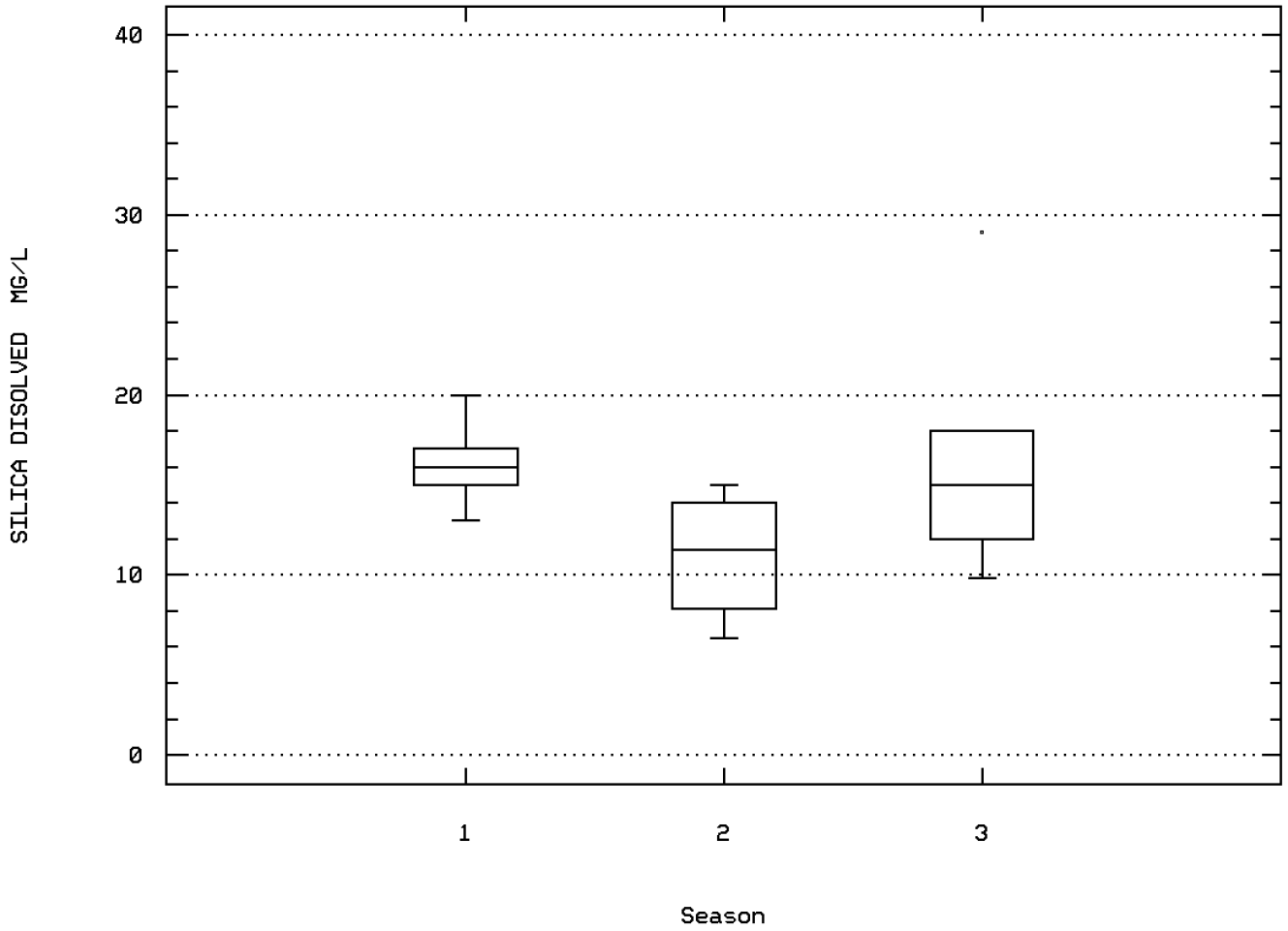
FLUORIDE, DISSOLVED (MG/L AS F)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 00955

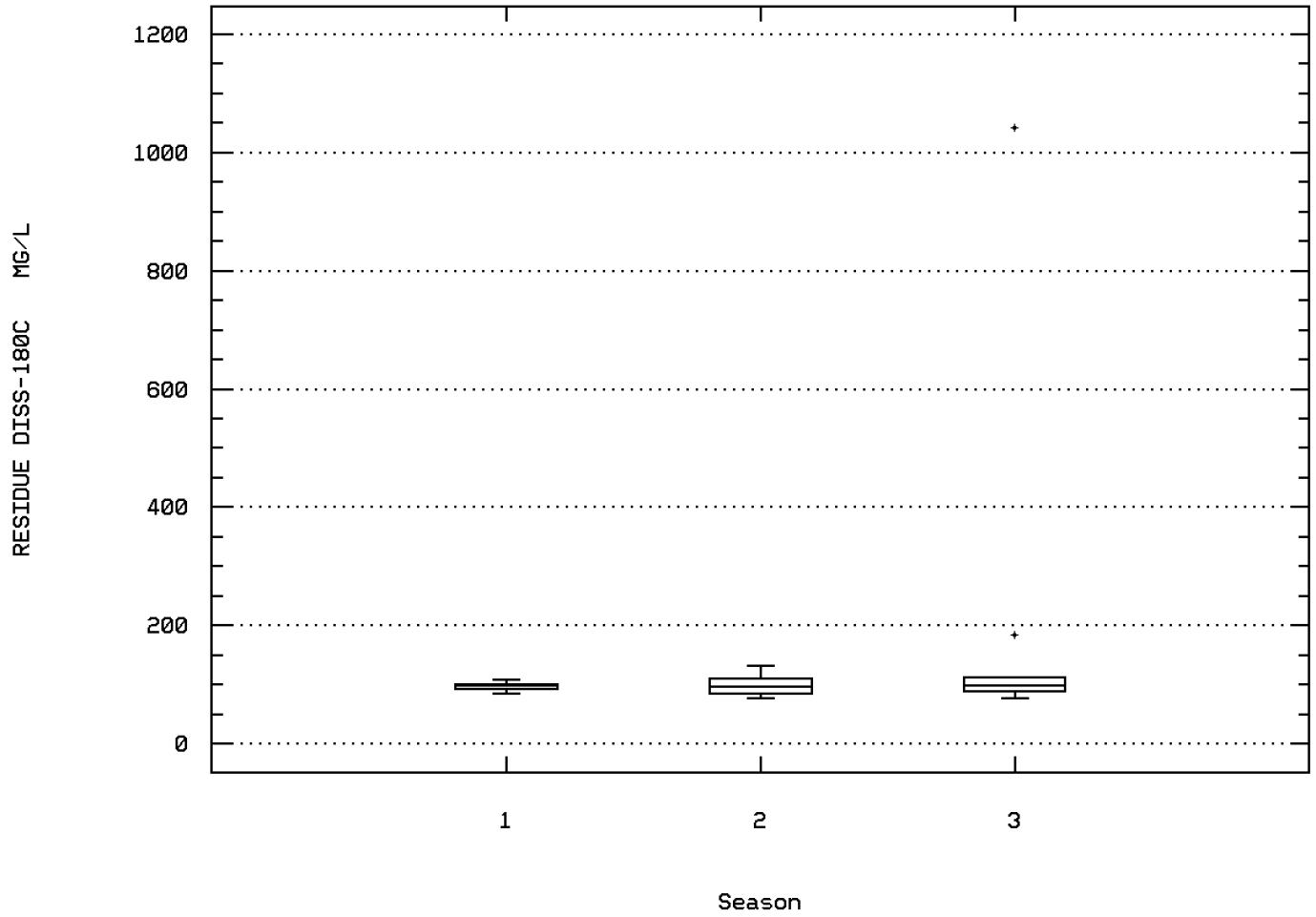
SILICA, DISSOLVED (MG/L AS SI02)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAFO0433 Parameter Code: 70300

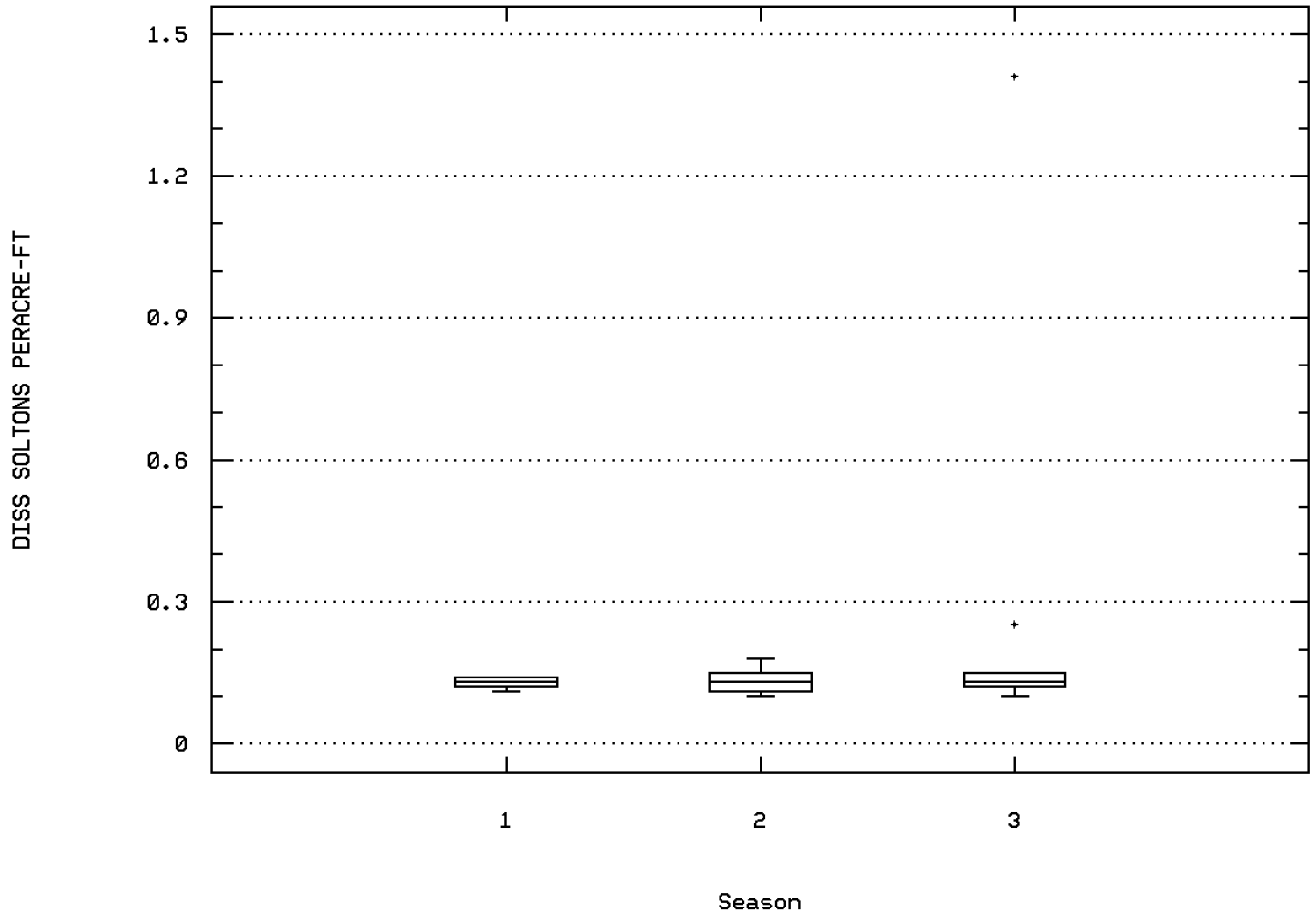
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station: VAF00433 Parameter Code: 70303

SOLIDS, DISSOLVED-TONS PER ACRE-FT



FRENCH CREEK NEAR PHOENIXVILLE, PA.

Station Inventory for Station: VAFO0434

NPS Station ID: VAFO0434 LAT/LON: 40.151392/ -75.601670 Agency: 21PA Date Created: 04/19/77
Location: FRENCH CRK-.25MI UPSTRM FR WILSON CORNR FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): WQN0155 /ABMS0155 /01472157
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: DELAWARE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH CREEK ECO Region:
RF1 Index: 02040203019 RF1 Mile Point: 6.770 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 02040203007100.00 RF3 Mile Point: 2.75 Distance from RF3: 0.02 On/Off RF3:
Description:
20 YDS UPSTR FROM BRIDGE WHICH IS 1/4 MI UPSTR FROM WILSON'S CORNER IN EAST VINCENT TOWNSHIP, CHESTER COUNTY, AT THE USGS GAGE STATION. SAMPLED BY: PENNADER, NORRISTOWN REGIONAL OFFICE. SAMPLING POINT: MID-CHANNEL. SAMPLING FREQUENCY: QUARTERLY BIOLOGICAL QUARTERLY CHEMICAL. PERIOD OF RECORD: 11-29-72 TO PRESENT.

Parameter Inventory for Station: VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/72-12/10/87	71	13.	13.265	27.	0.	61.296	7.829	2.	7.	19.5	23.8
00060	FLOW, STREAM, MEAN DAILY CFS	11/29/72-08/08/78	30	66.	67.4	149.	22.	1274.455	35.7	27.	32.	88.25	126.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	95	41.	63.084	295.	11.	2883.461	53.698	17.2	26.	78.	141.8
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	109	4.59	4.961	44.1	2.38	14.488	3.806	4.18	4.34	4.85	5.14
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/29/72-08/11/77	16	3.	3.763	8.	1.	4.968	2.229	1.35	2.025	5.575	8.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/77-04/05/82	32	1.5	2.297	17.	0.5	8.804	2.967	0.5	1.	2.5	4.35
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/73-12/10/87	49	100.	99.918	145.	6.	721.577	26.862	70.	80.	120.	130.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	116	139.	143.871	900.	100.	5217.47	72.232	120.	130.	145.	155.
00300p	OXYGEN, DISSOLVED MG/L	11/29/72-12/10/87	60	9.9	10.553	14.8	6.9	3.584	1.893	8.5	9.2	11.975	13.78
00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	70	0.75	0.884	3.6	0.1	0.478	0.691	0.11	0.375	1.2	1.96
00312	BOD, 6 DAY, 20 DEG C MG/L	12/26/85-12/26/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	04/02/75-01/29/81	8	14.	12.25	20.	4.	32.5	5.701	**	**	**	**
00400p	PH (STANDARD UNITS)	11/29/72-12/10/87	62	7.7	7.769	9.8	6.8	0.296	0.544	7.13	7.4	8.1	8.5
00400p	CONVERTED PH (STANDARD UNITS)	11/29/72-12/10/87	62	7.7	7.52	9.8	6.8	0.359	0.599	7.13	7.4	8.1	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	62	0.02	0.03	0.158	0.	0.001	0.031	0.003	0.008	0.04	0.075
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	125	7.	7.057	8.5	6.	0.37	0.608	6.3	6.6	7.45	7.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	125	7.	6.72	8.5	6.	0.484	0.696	6.3	6.6	7.45	7.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	125	0.1	0.191	1.	0.003	0.054	0.233	0.013	0.036	0.251	0.501
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	116	36.	36.233	104.	1.	141.206	11.883	24.	30.	42.	46.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/29/72-02/15/77	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/29/72-08/11/77	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	11/22/76-05/30/78	5	120.	130.	156.	112.	456.	21.354	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	107	110.	195.495	7902.	1.	575016.347	758.298	86.	100.	128.	146.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/19/76-12/10/79	14	5.5	8.786	28.	2.	57.681	7.595	2.25	3.625	12.	23.
00545	RESIDUE, SETTLEABLE (ML/L)	02/15/77-02/15/77	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	117	0.03	0.048	0.26	0.	0.002	0.046	0.01	0.01	0.06	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	117	0.008	0.014	0.2	0.002	0.	0.022	0.004	0.004	0.014	0.026
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	116	1.5	1.521	3.16	0.36	0.236	0.486	0.9	1.235	1.8	2.012
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	117	0.05	0.062	0.65	0.02	0.005	0.072	0.03	0.04	0.06	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/73-07/23/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	116	46.	46.155	75.	10.	72.532	8.517	38.	42.	50.	55.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/29/72-08/11/77	17	12.	12.753	18.4	8.8	7.238	2.69	9.44	10.8	14.8	17.12
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	98	13.	14.06	120.	1.6	128.399	11.331	9.85	11.25	14.3	15.82
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/29/72-08/11/77	17	3.5	3.194	6.5	0.	3.434	1.853	0.	2.	4.25	6.1
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	98	4.3	4.547	40.	0.	14.689	3.833	3.29	3.9	4.7	5.23
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	117	10.	9.838	23.	5.	5.068	2.251	8.	8.	11.	12.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	117	14.	15.812	70.	4.	86.632	9.308	5.	10.	20.	29.
00951	FLUORIDE, TOTAL (MG/L AS F)	09/16/76-05/02/77	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/80-08/13/87	8 ##	2.5	5.813	25.	2.	61.638	7.851	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/23/75-08/13/87	11 ##	0.5	1.023	3.	0.1	0.748	0.865	0.13	0.4	1.5	2.7
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/11/83-09/27/84	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/75-08/13/87	11 ##	5.	11.273	50.	2.	191.018	13.821	2.	5.	10.	44.
01042	COPPER, TOTAL (UG/L AS CU)	06/23/75-08/13/87	11 ##	5.	11.818	30.	5.	96.364	9.816	5.	5.	25.	29.
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	117	210.	418.974	12300.	20.	1453386.87	1205.565	110.	150.	355.	654.
01051	LEAD, TOTAL (UG/L AS PB)	06/23/75-08/13/87	11 ##	5.	11.045	25.	2.	123.473	11.112	2.	2.5	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/75-08/13/87	12	20.	26.667	70.	5.	474.242	21.777	6.5	10.	45.	67.
01067	NICKEL, TOTAL (UG/L AS NI)	06/23/75-08/13/87	11	20.	18.636	50.	5.	190.455	13.801	5.	5.	25.	46.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/75-08/13/87	11	20.	41.818	120.	5.	1591.364	39.892	5.	10.	80.	114.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/15/77-08/13/87	9	100.	272.778	1450.	30.	208894.444	457.05	30.	55.	295.	1450.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/02/75-04/02/75	1	130.	130.	130.	130.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/02/75-04/02/75	1	2.114	2.114	2.114	2.114	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			130.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/75-06/23/75	1	350.	350.	350.	350.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/75-06/23/75	1	2.544	2.544	2.544	2.544	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			350.								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	100	200.	561.185	10000.	1.	1684204.64	1297.769	25.	76.25	340.	1570.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	100	2.301	2.253	4.	0.	0.416	0.645	1.398	1.882	2.531	3.195
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			179.215								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/75-08/08/78	6	85.	1702.833	6000.	10.	6924424.167	2631.43	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/75-08/08/78	6	1.858	2.277	3.778	1.	1.325	1.151	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			189.41								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	04/02/75-04/02/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	04/02/75-04/02/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			1.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/16/76-05/02/77	4 ##	0.003	0.003	0.005	0.	0.	0.003	**	**	**	**
46015	FAMILY ASELLIDAE, AQUATIC SOW BUG	09/20/73-01/09/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46022	FAMILY PELTOPERLIDAE, STONEFLY, ROACHLIKE	09/20/73-07/22/83	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46024	FAMILY PERLIDAE, STONEFLY W/GILLS ON THORAX	09/20/73-10/05/87	1	11.	11.	11.	11.	0.	0.	**	**	**	**
46028	FAMILY BAETIDAE, MAYFLY, HEAD NOT DEPRESSED	09/20/73-10/05/87	1	26.	26.	26.	26.	0.	0.	**	**	**	**
46029	FAMILY HEPTAGENIIDAE MAYFLY W/ DEPRESSED HEAD	09/20/73-10/05/87	1	34.	34.	34.	34.	0.	0.	**	**	**	**
46050	FAMILY CORYDALIDAE, HELLGRAMMITES	09/20/73-08/29/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46053	FAMILY HYDROPSYCHIDAE, CADDISFLY W/3 S PLATES	09/20/73-10/05/87	1	51.	51.	51.	51.	0.	0.	**	**	**	**
46055	FAMILY PHILOPOTAMIDAE, CADDISFLY LAB SOFT	09/20/73-10/05/87	1	30.	30.	30.	30.	0.	0.	**	**	**	**
46071	FAMILY PSEPHENIDAE, WATER PENNY BEETLES	09/20/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46075	FAMILY ELMIDAE, BEETLE	09/20/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46078	FAMILY TIPULIDAE, CRANE FLY	09/20/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46084	FAMILY SIMULIIDAE, BLACK FLIES	09/20/73-10/05/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46085	FAMILY EMPIDIDAE	09/20/73-08/29/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
46087	FAMILY TENDIPEDIDAE (CHIRONOMIDAE), MIDGE FLIES	09/20/73-10/05/87	1	23.	23.	23.	23.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/30/84-07/30/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	98	0.	0.857	32.	0.	17.155	4.142	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/80-08/13/87	7 ##	1.	0.929	1.	0.5	0.036	0.189	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	68	1.65	5.147	190.	0.5	522.454	22.857	0.5	0.5	3.375	6.21

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0434

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	16	0	0.00	5	0	0.00	2	0	0.00	9	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

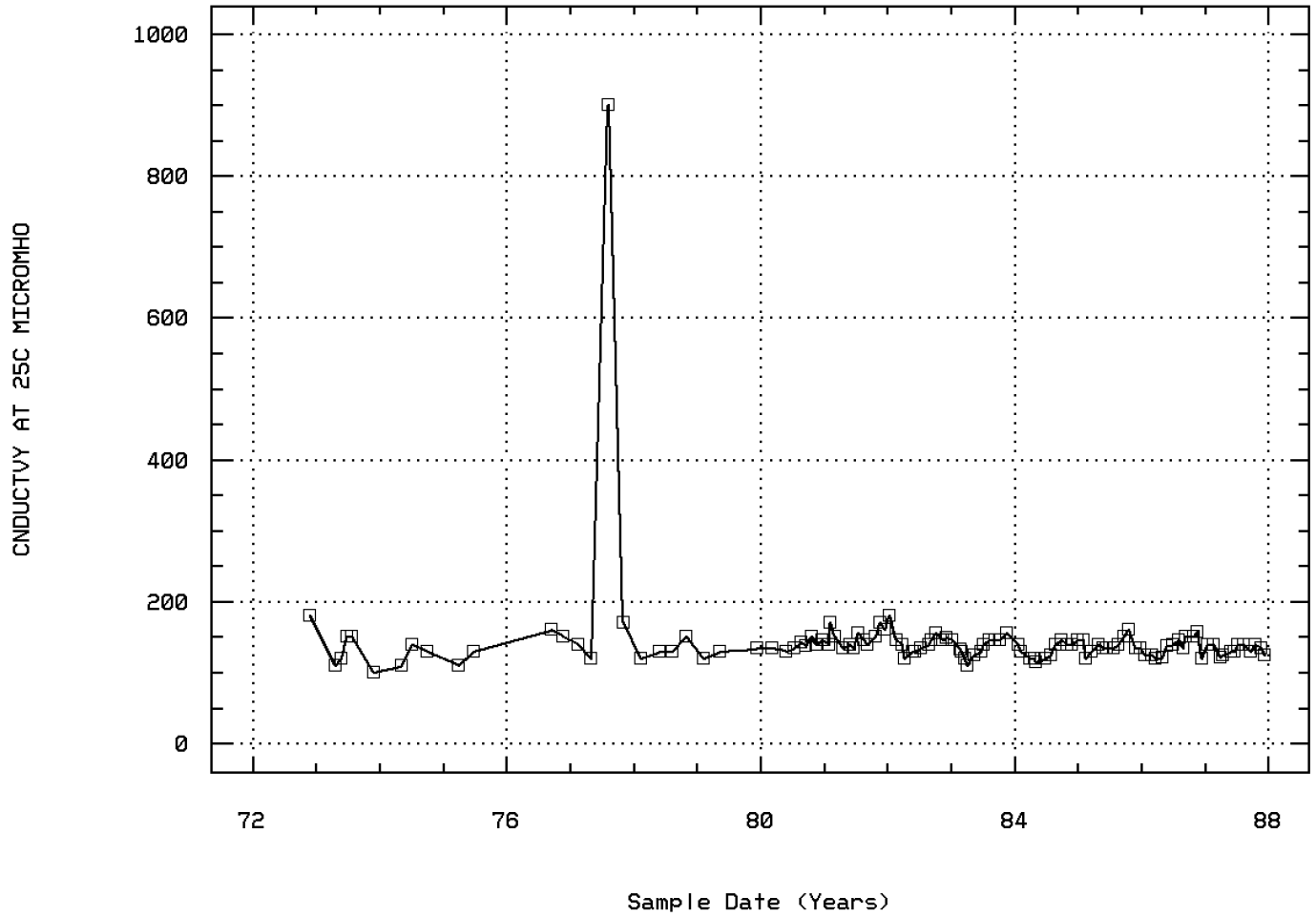
EPA Water Quality Criteria Analysis for Station: VAFO0434

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	32	0	0.00	12	0	0.00	9	0	0.00	11	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	60	0	0.00	22	0	0.00	11	0	0.00	27	0	0.00			
00400	PH	Fresh Chronic	9.	62	1	0.02	22	0	0.00	10	0	0.00	30	1	0.03			
		Other-Lo Lim.	6.5	62	0	0.00	22	0	0.00	10	0	0.00	30	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	125	0	0.00	43	0	0.00	30	0	0.00	52	0	0.00			
		Other-Lo Lim.	6.5	125	28	0.22	43	5	0.12	30	11	0.37	52	12	0.23			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	117	0	0.00	42	0	0.00	28	0	0.00	47	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	116	0	0.00	42	0	0.00	27	0	0.00	47	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	117	0	0.00	42	0	0.00	28	0	0.00	47	0	0.00			
		Drinking Water	250.	117	0	0.00	42	0	0.00	28	0	0.00	47	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	117	0	0.00	42	0	0.00	28	0	0.00	47	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	1	0	0.00	1	0	0.00	6	0	0.00			
		Drinking Water	50.	8	0	0.00	1	0	0.00	1	0	0.00	6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	5.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9 &	1	0.11	1	0	0.00	2	0	0.00	6	1	0.17			
		Drinking Water	1300.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	15.	7 &	0	0.00	1	0	0.00	1	0	0.00	5	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	100.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	11	1	0.09	1	0	0.00	2	1	0.50	8	0	0.00			
		Drinking Water	5000.	11	0	0.00	1	0	0.00	2	0	0.00	8	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	100	51	0.51	36	18	0.50	24	5	0.21	40	28	0.70			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00				1	0	0.00	6	0	0.00			
		Drinking Water	2.	7	0	0.00				1	0	0.00	6	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	68	1	0.01	25	0	0.00	16	1	0.06	27	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: VAFO0434 Parameter Code: 00095

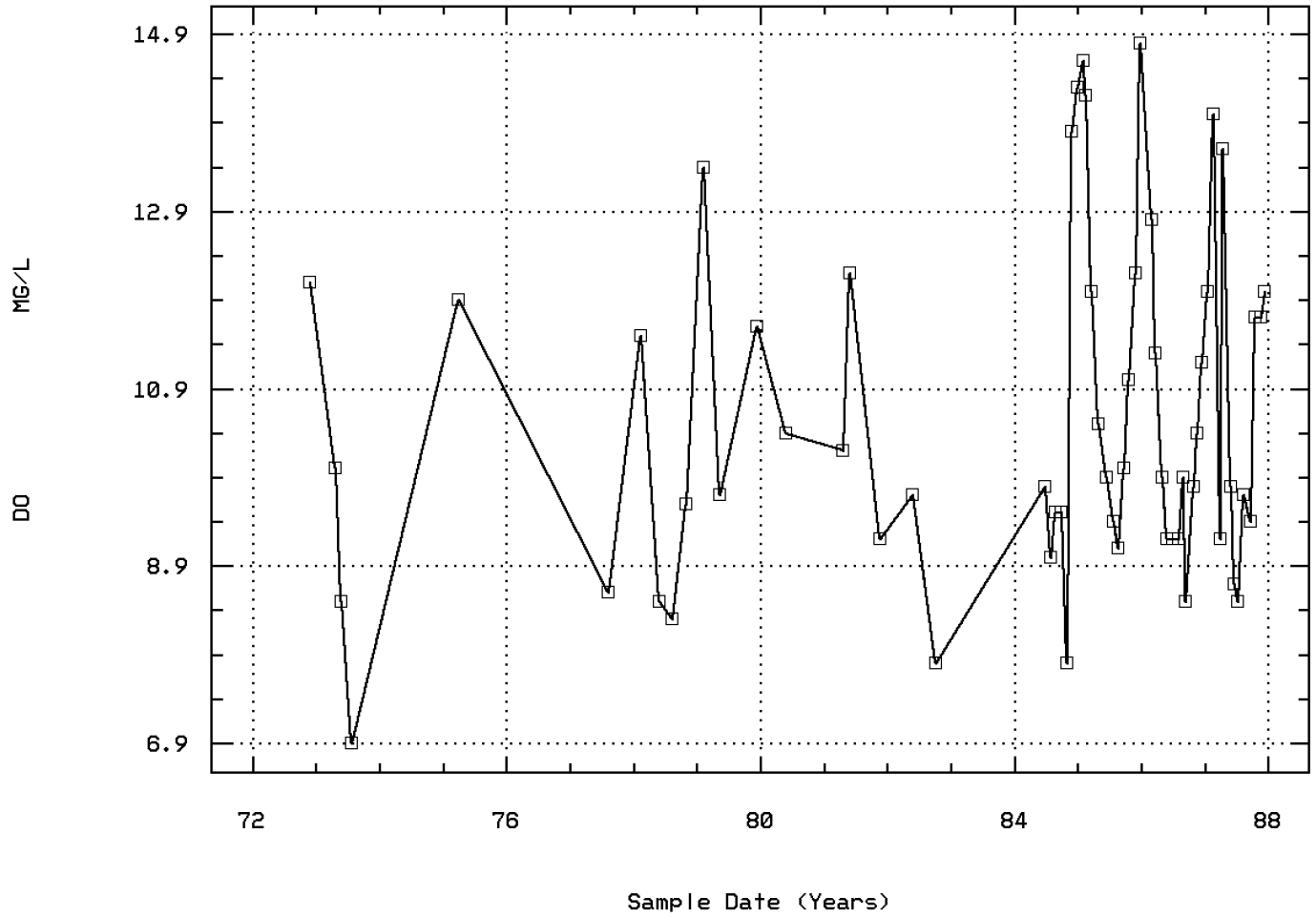
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 00300

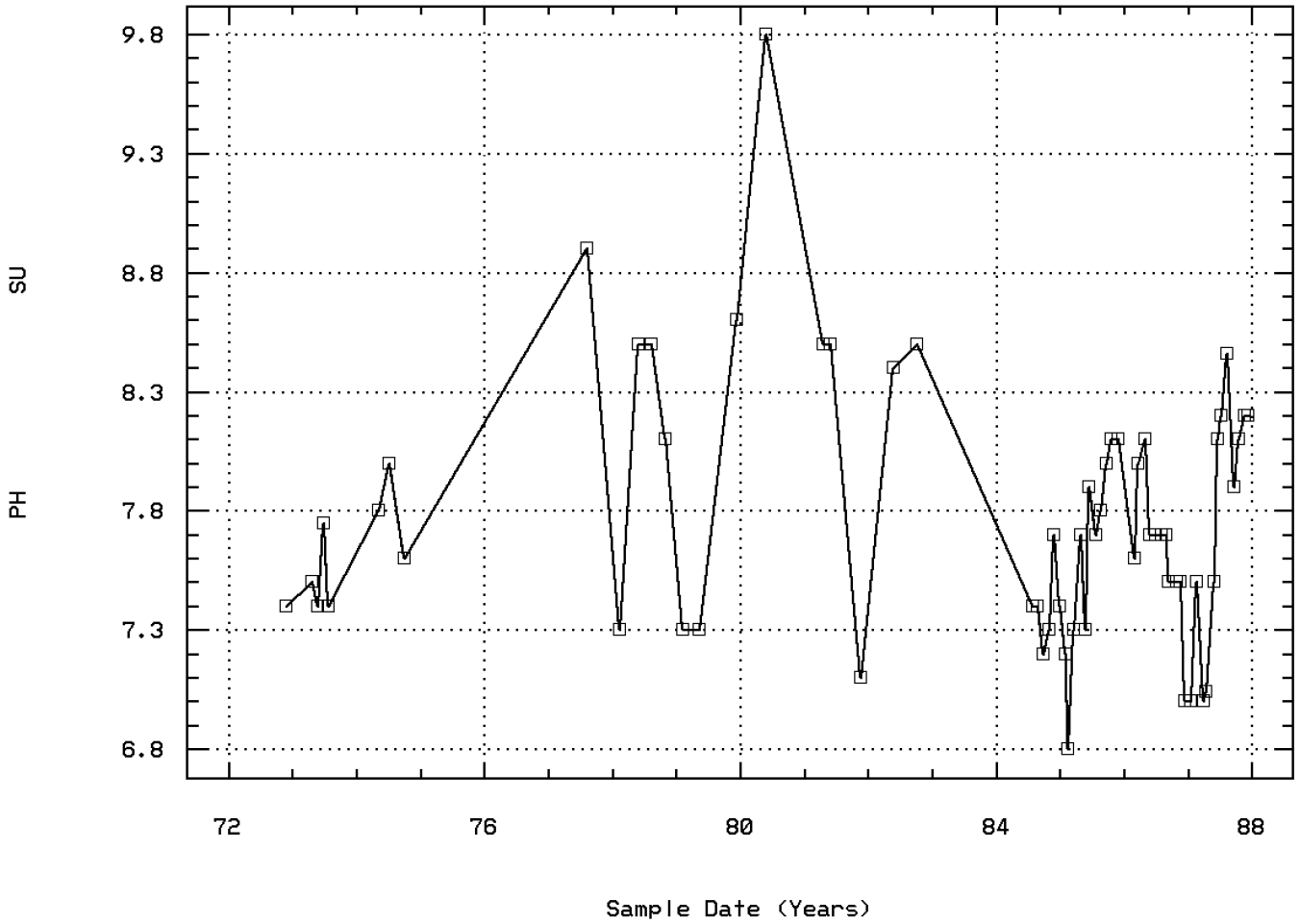
OXYGEN, DISSOLVED



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00400

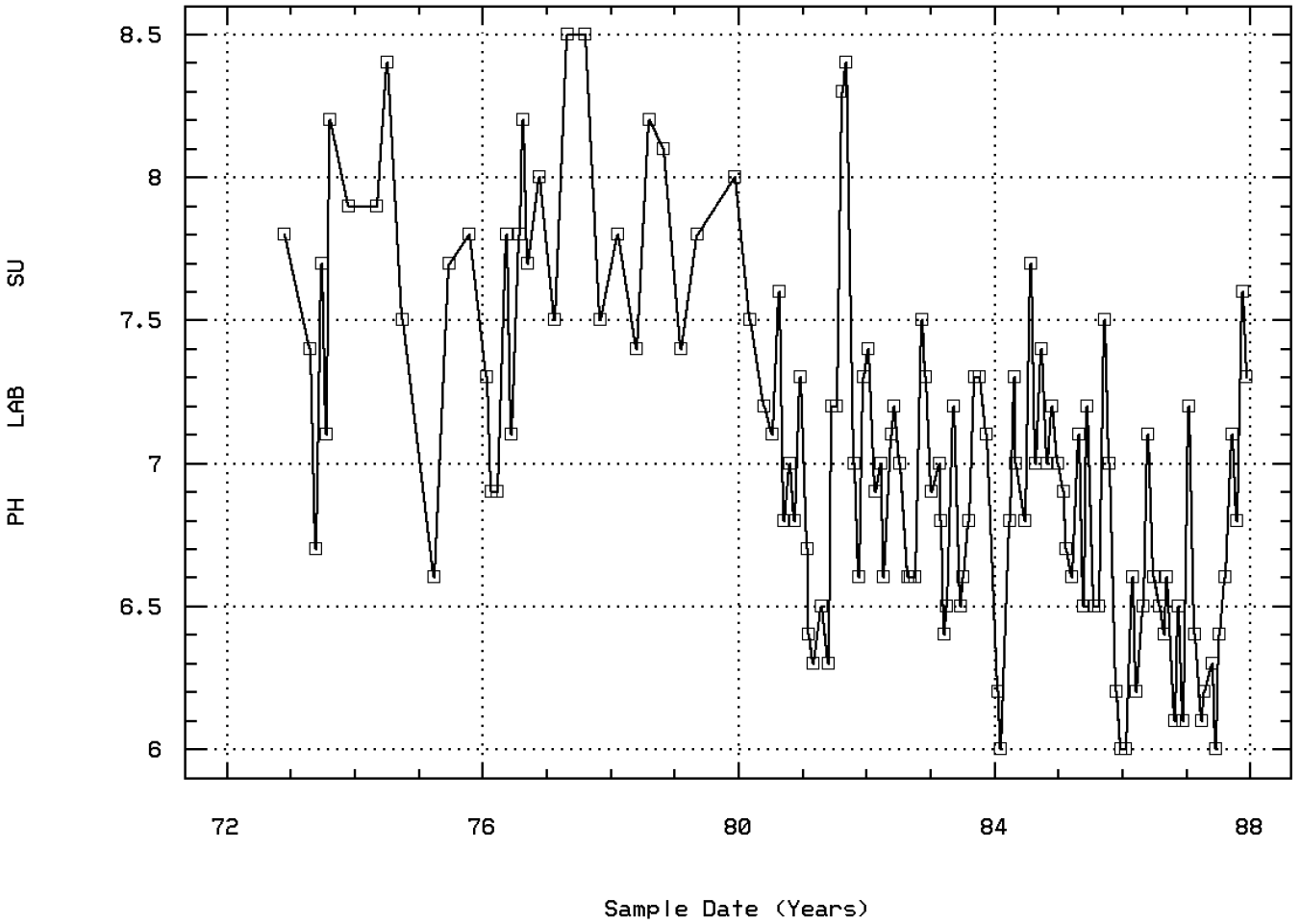
PH (STANDARD UNITS)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00403

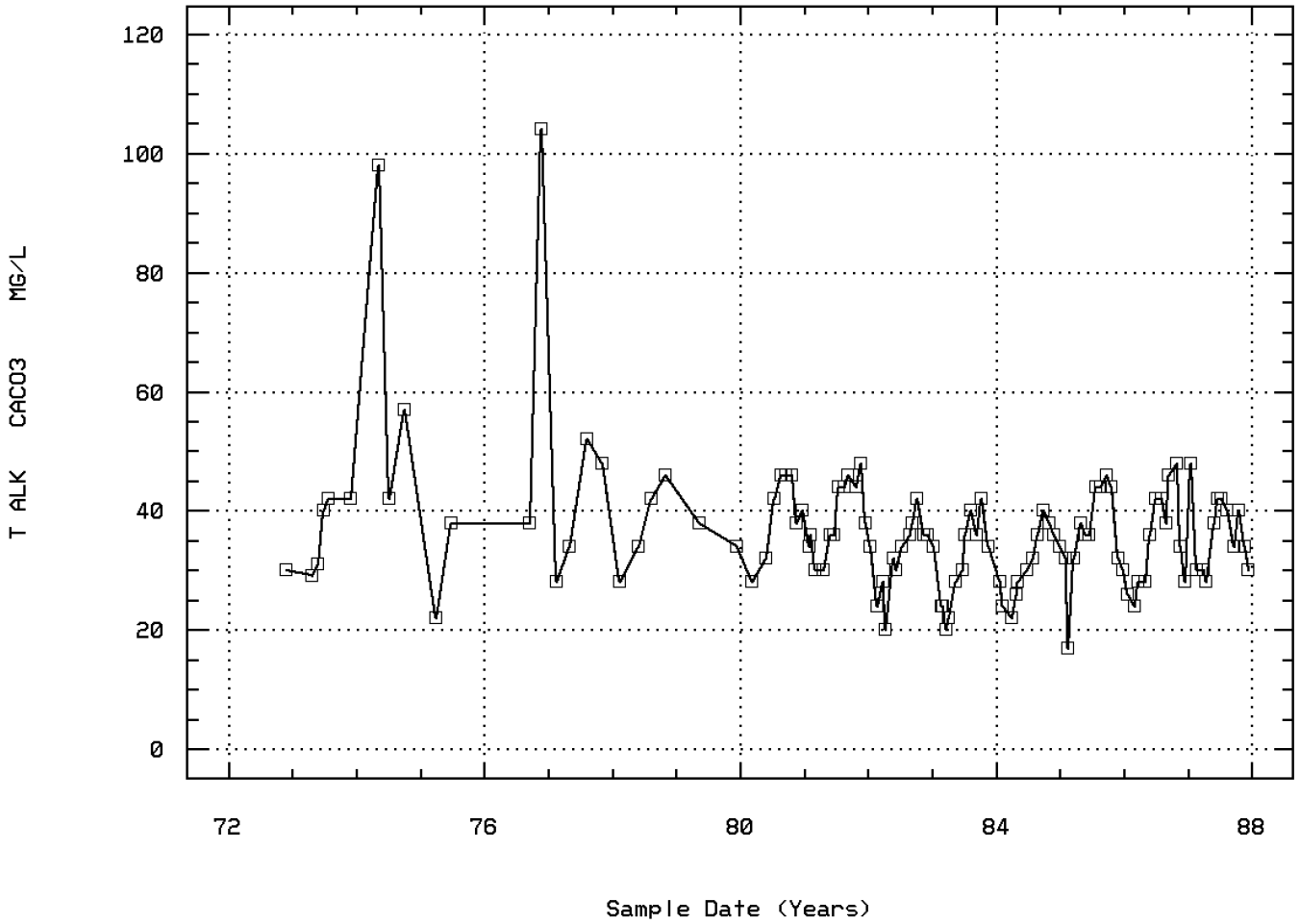
PH, LAB, STANDARD UNITS



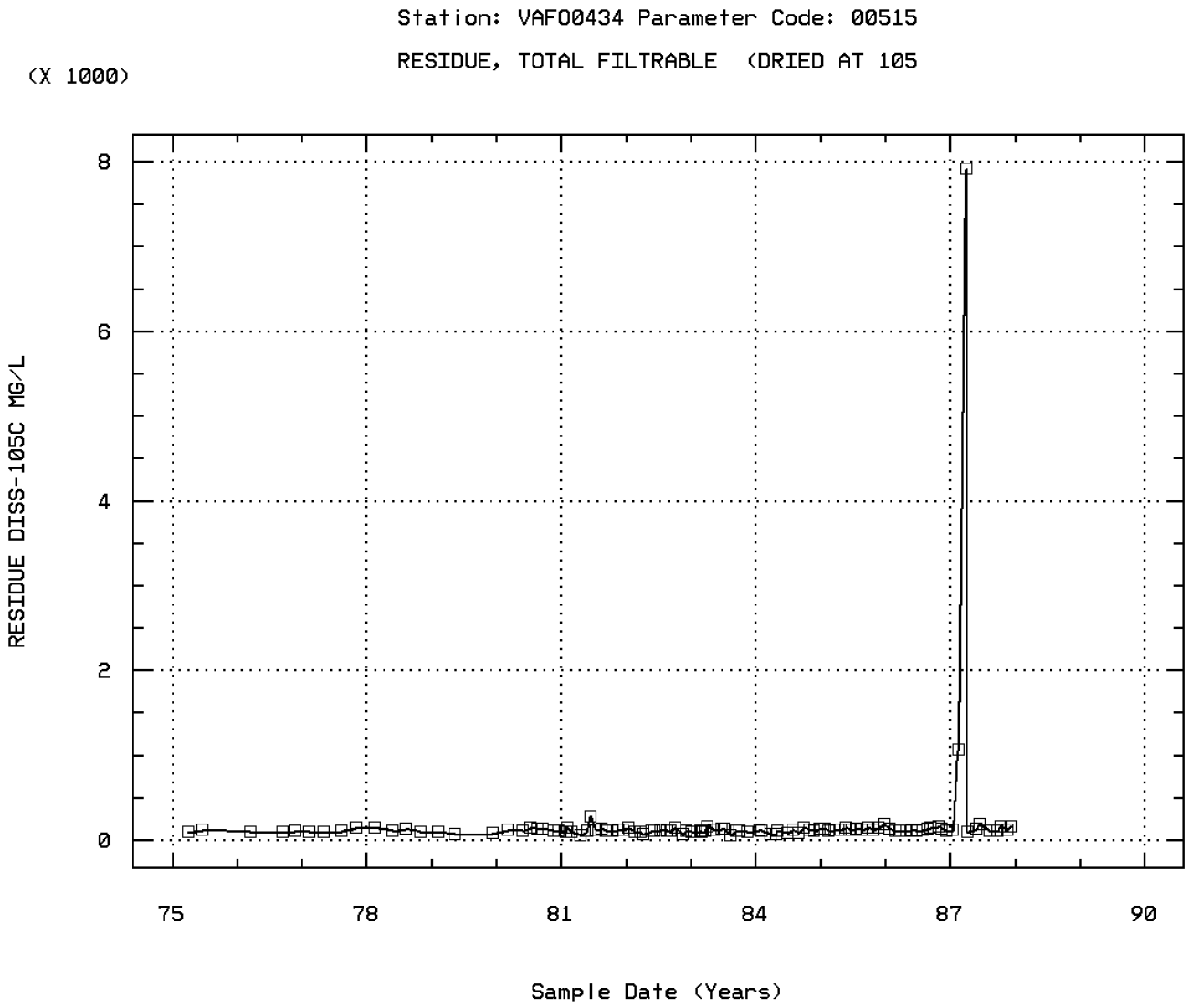
FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00410

ALKALINITY, TOTAL (MG/L AS CACO3)



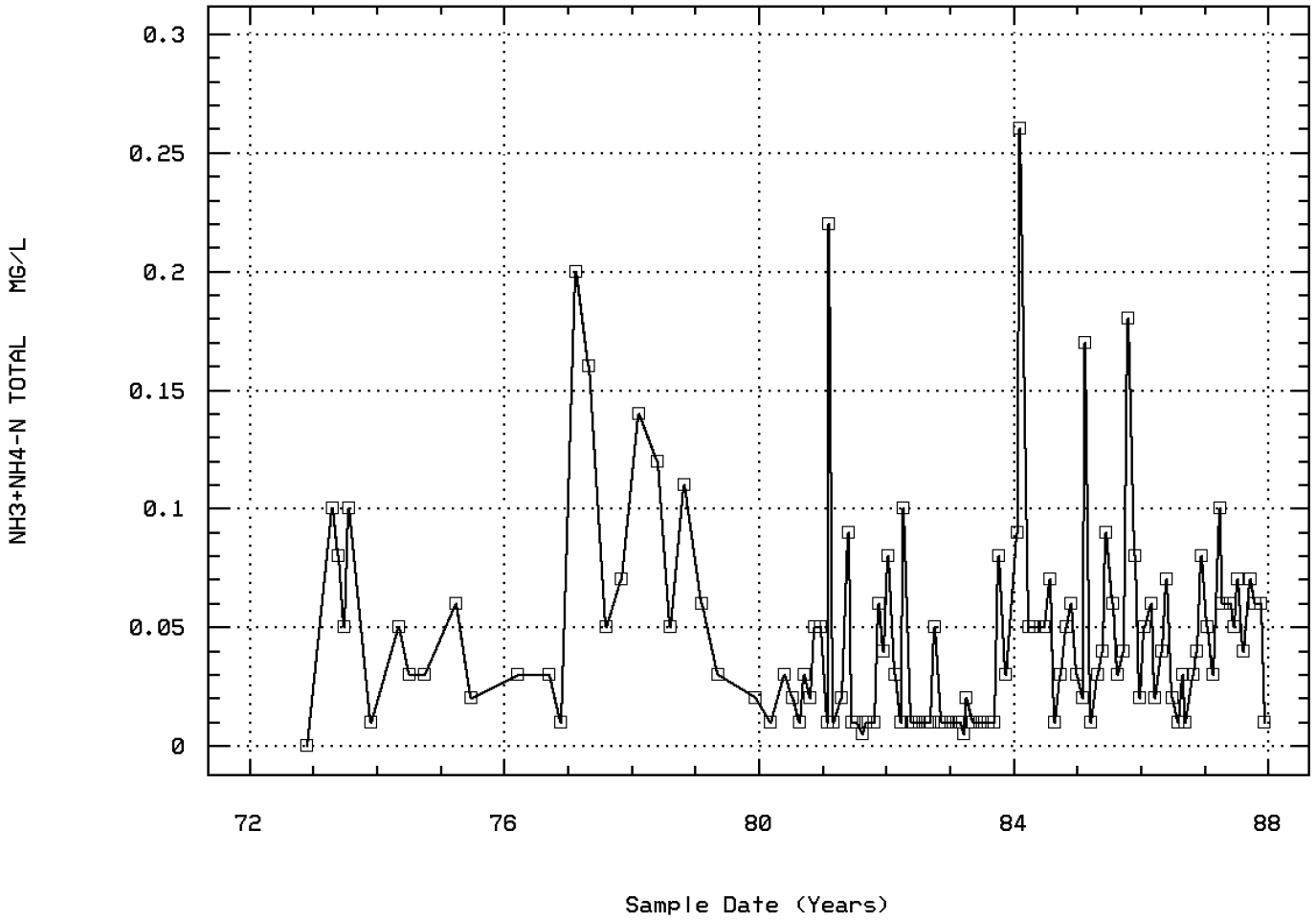
FRENCH CRK-.25MI UPSTRM FR WILSON CORNR



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00610

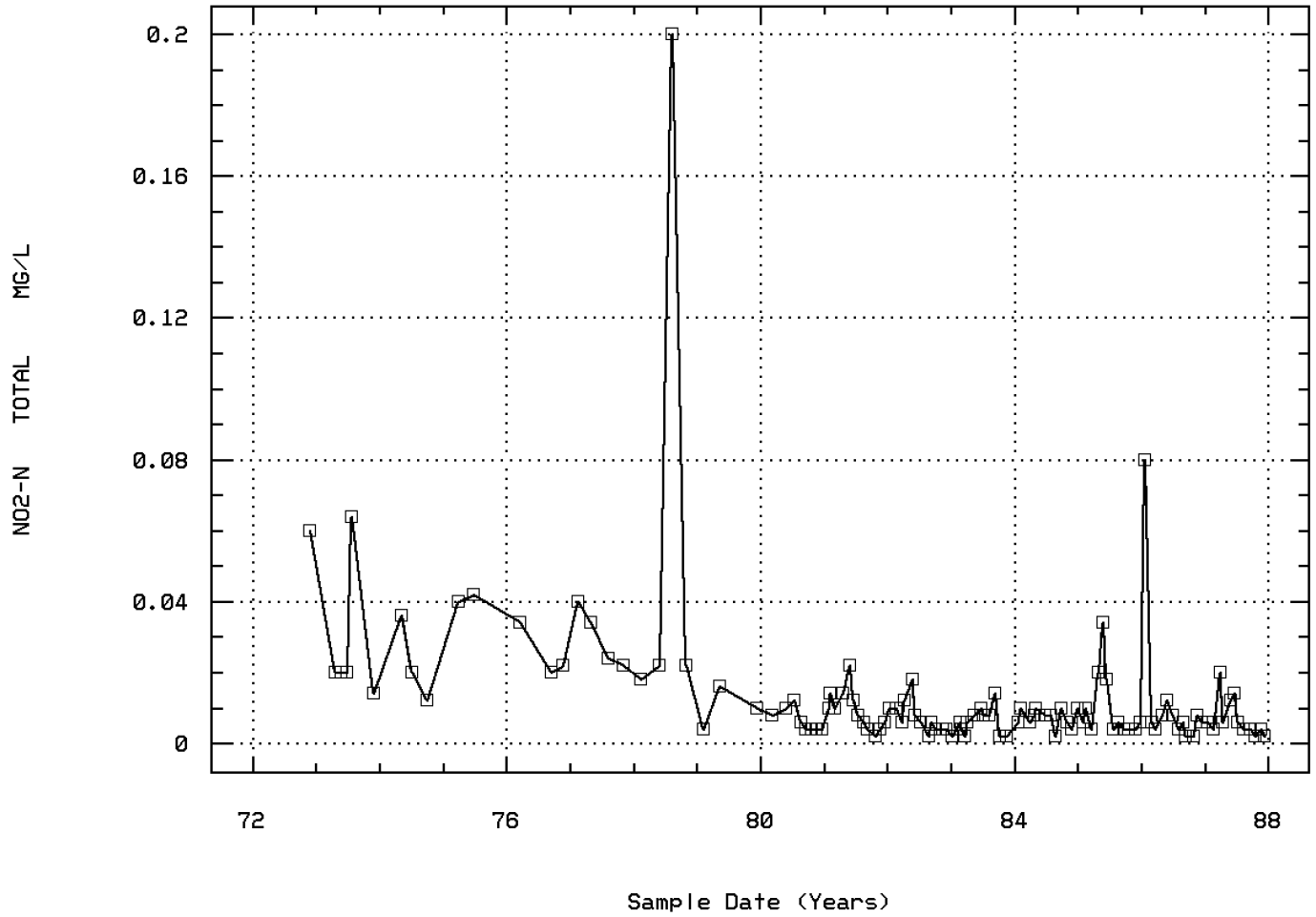
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00615

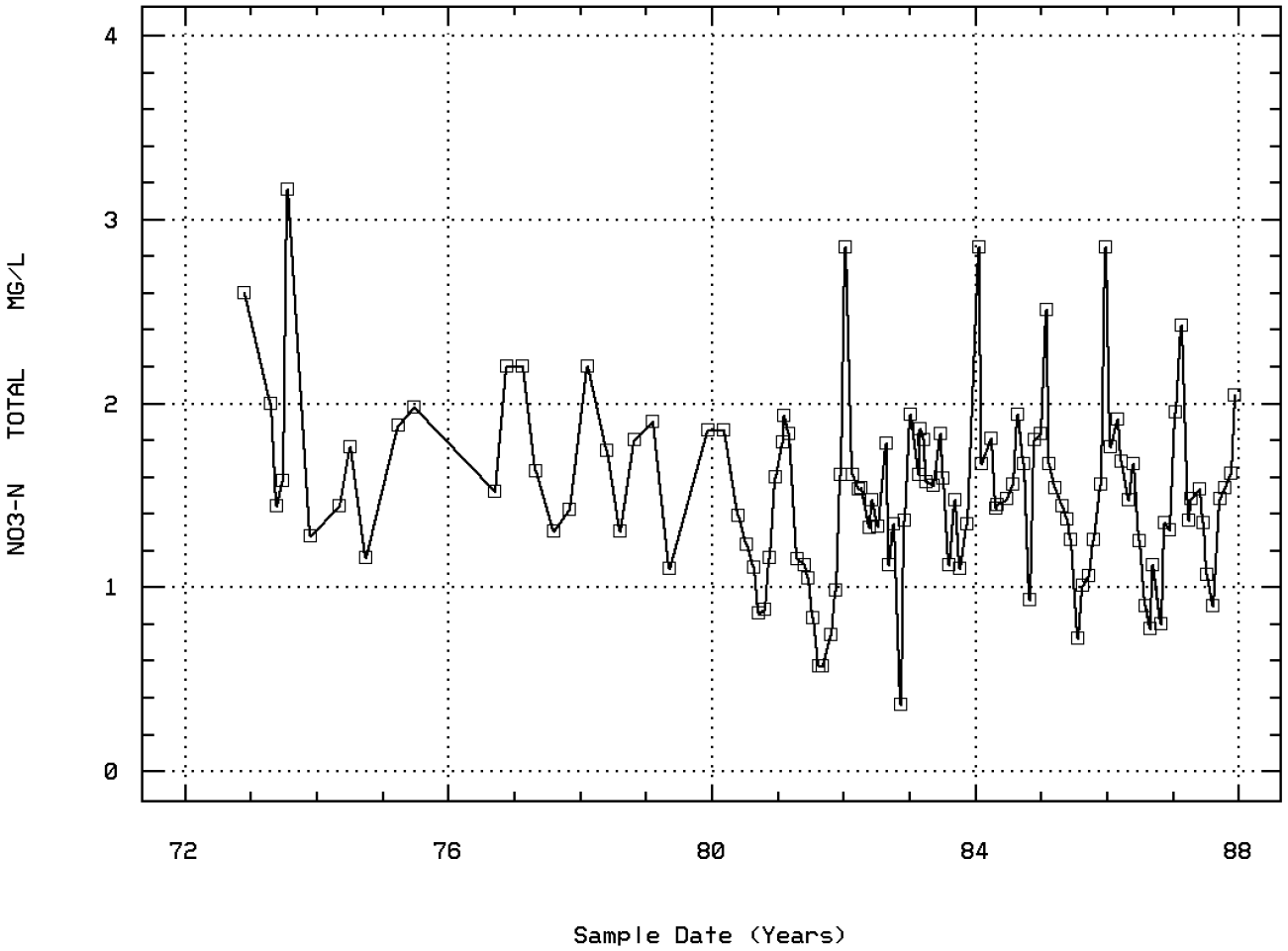
NITRITE NITROGEN, TOTAL (MG/L AS N)



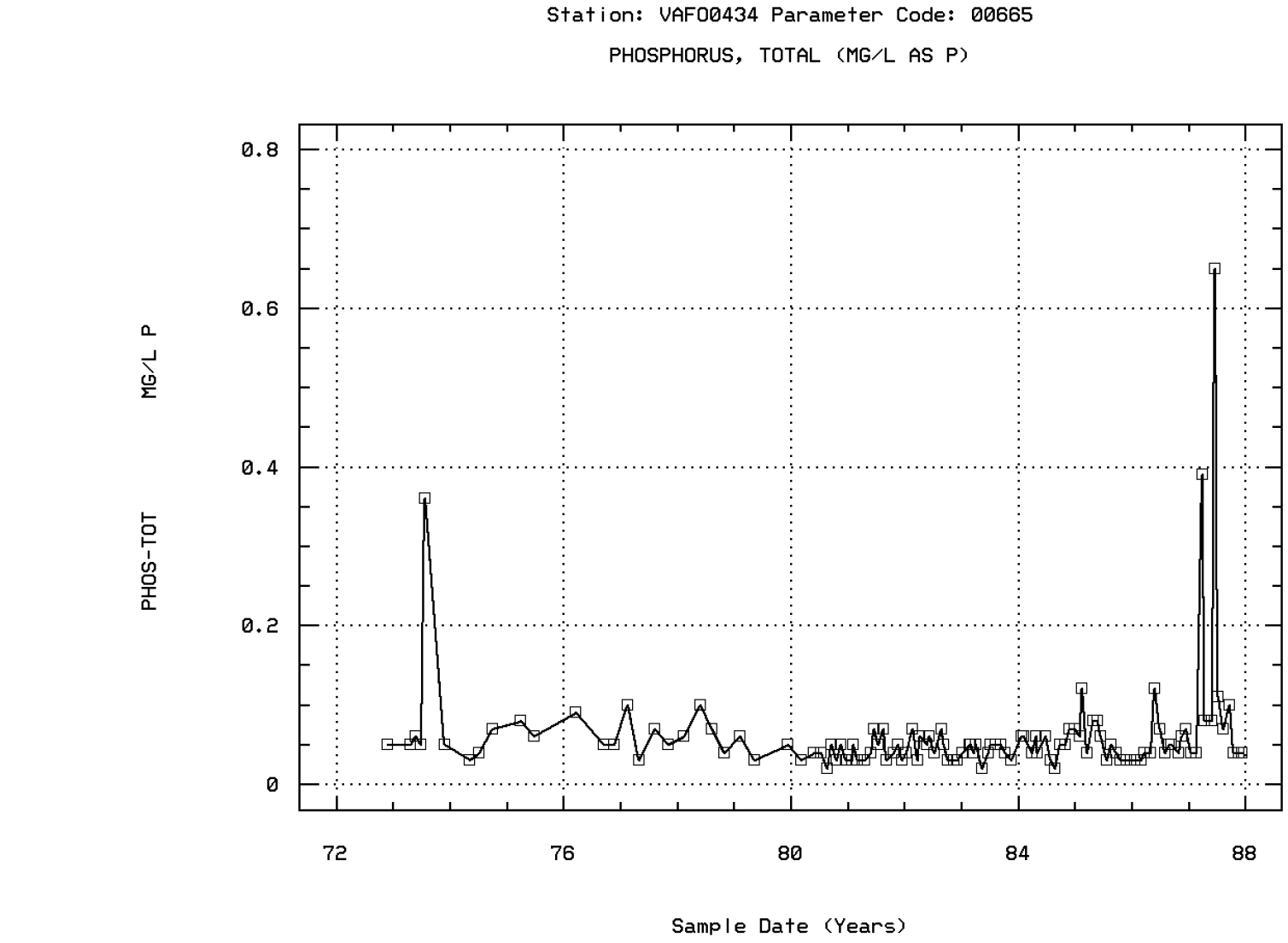
FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00620

NITRATE NITROGEN, TOTAL (MG/L AS N)



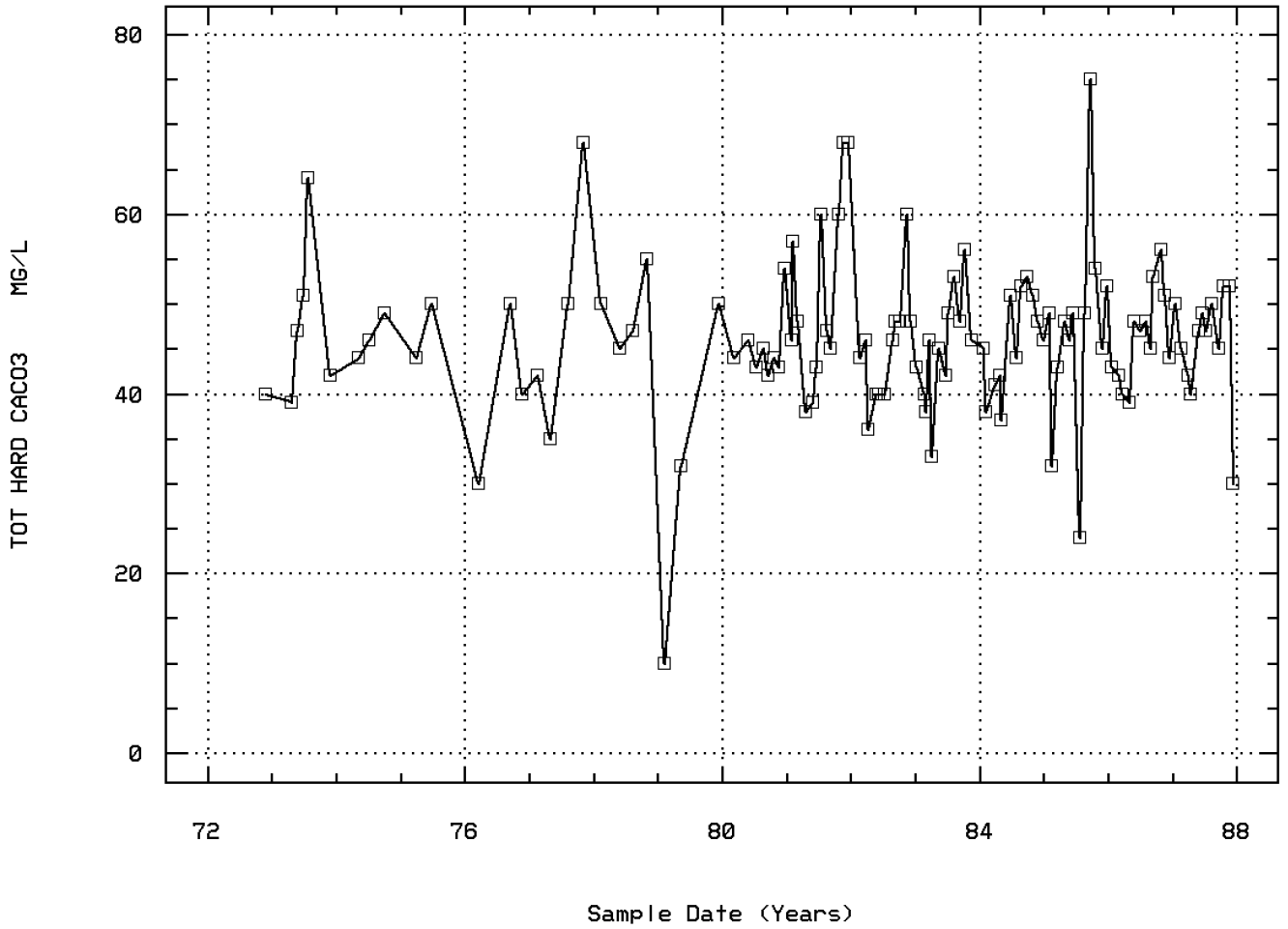
FRENCH CRK-.25MI UPSTRM FR WILSON CORNR



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 00900

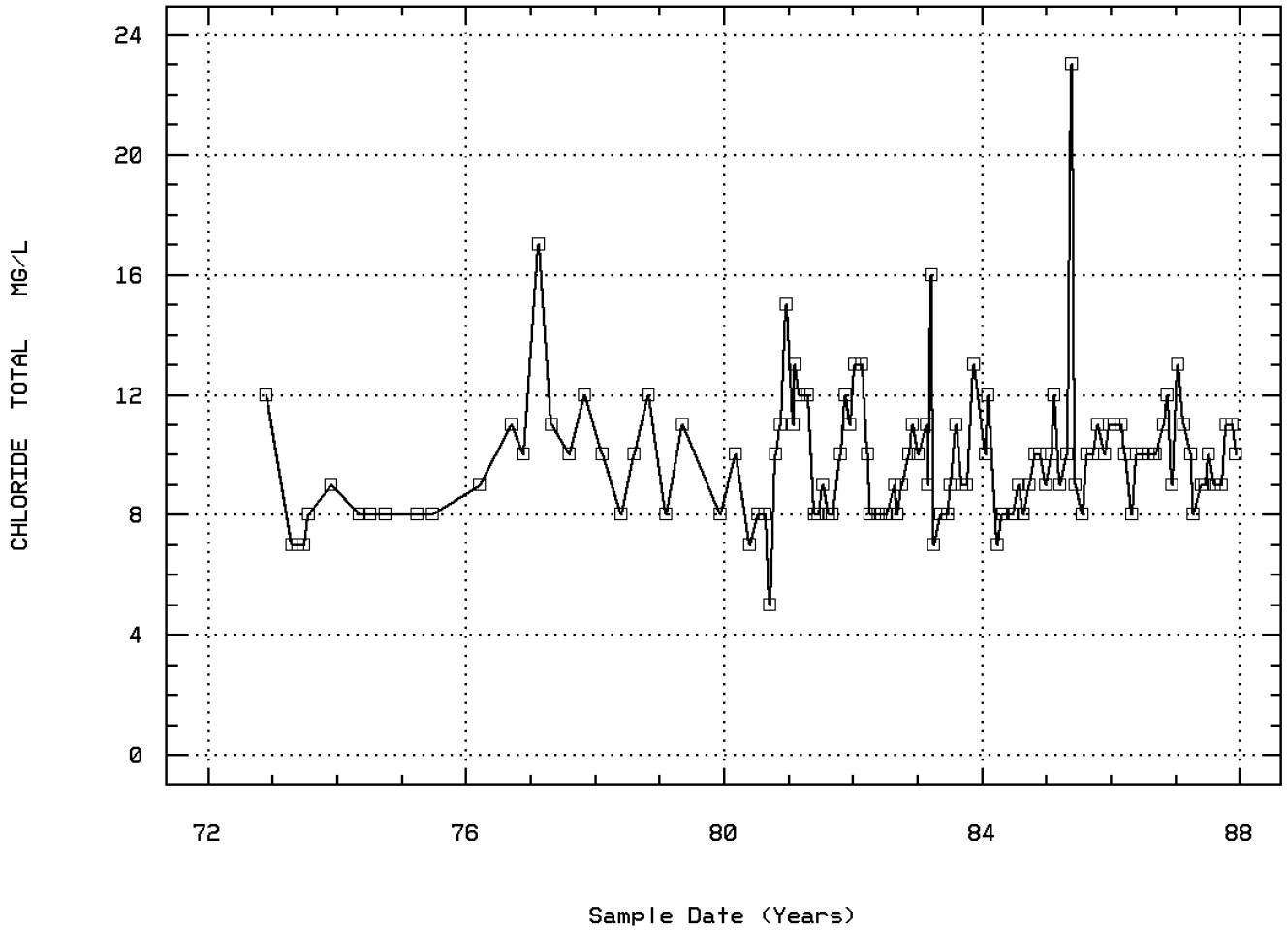
HARDNESS, TOTAL (MG/L AS CACO3)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00940

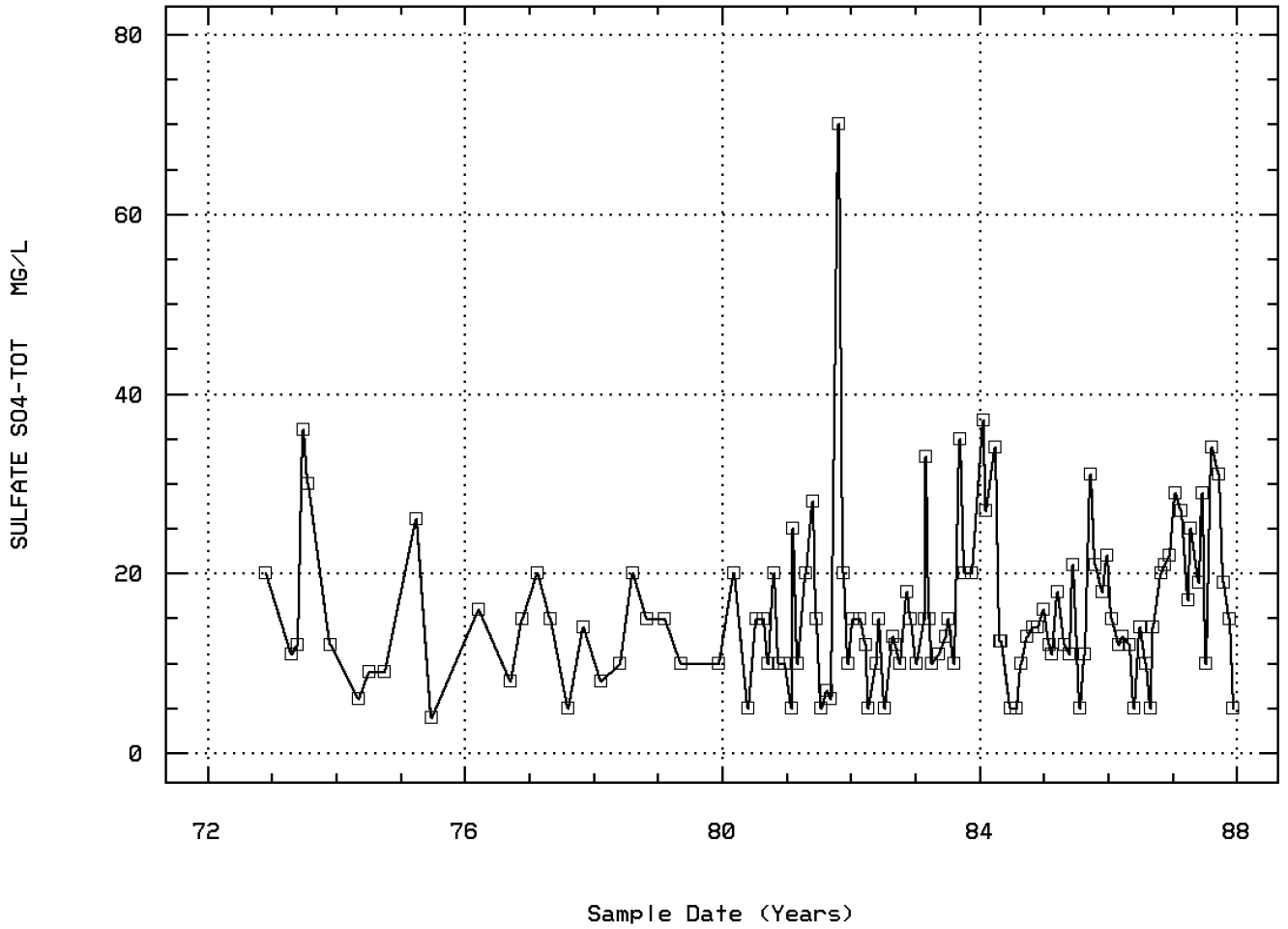
CHLORIDE,TOTAL IN WATER



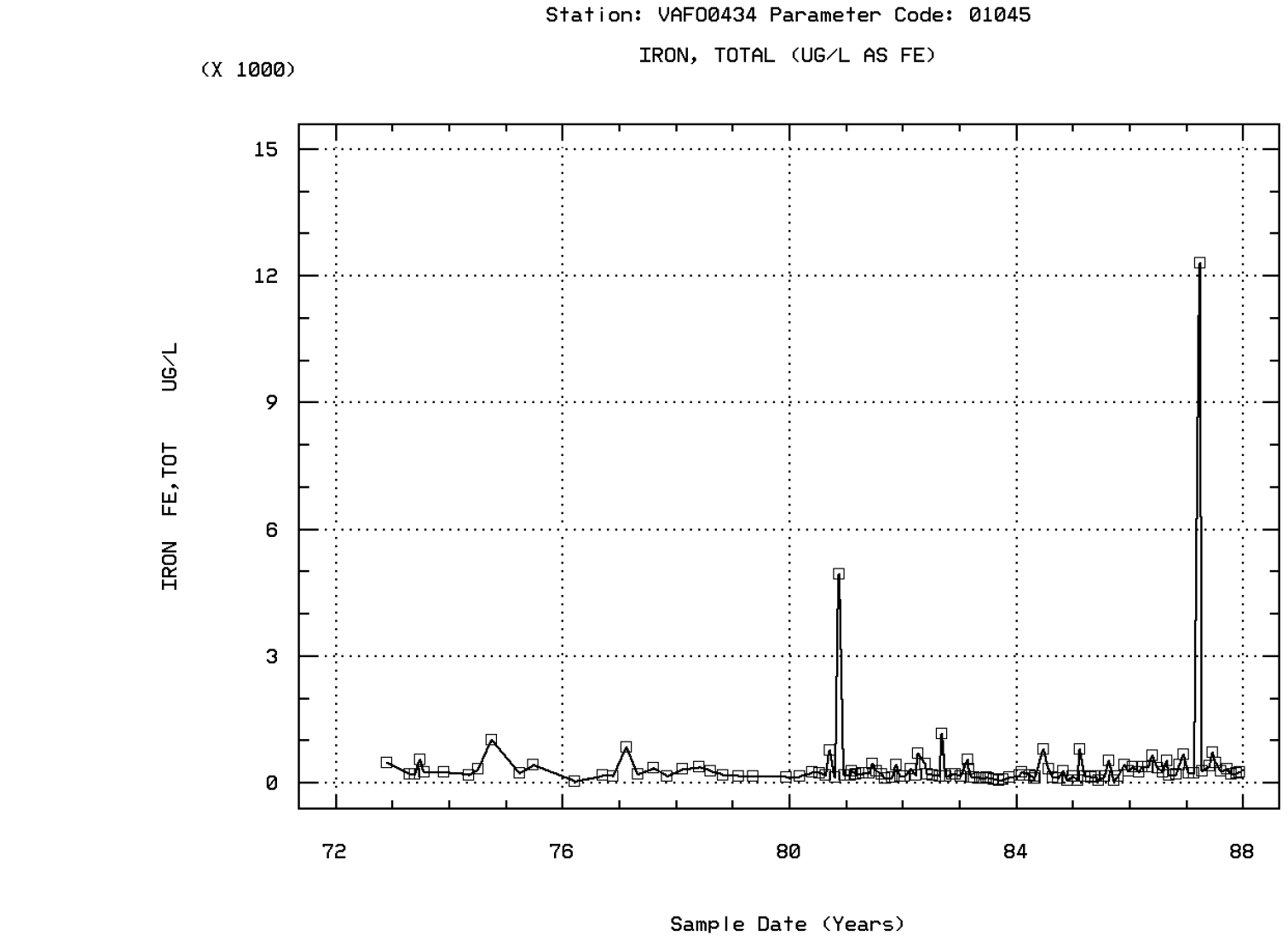
FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



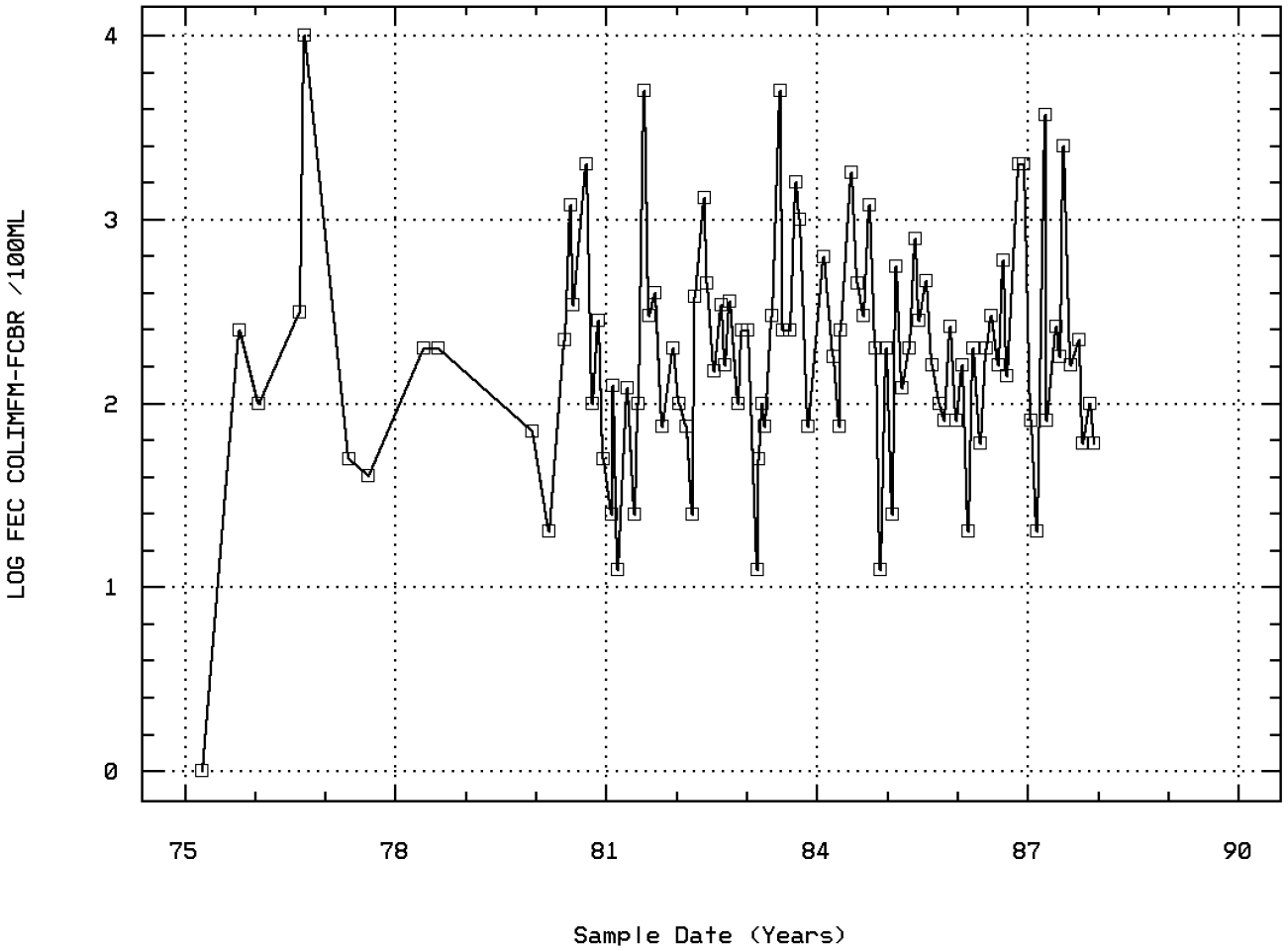
FRENCH CRK-.25MI UPSTRM FR WILSON CORNR



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Annual Analysis for 1972 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	1	470.	470.	470.	470.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	5	120.	126.	150.	100.	530.	23.022	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	6	7.55	7.5	8.2	6.7	0.3	0.548	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	6	7.525	7.225	8.2	6.7	0.391	0.625	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	6	0.03	0.06	0.2	0.006	0.005	0.073	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	5	40.	36.8	42.	29.	39.7	6.301	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	5	0.08	0.068	0.1	0.01	0.001	0.038	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	5	0.02	0.028	0.064	0.014	0.	0.021	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	5	1.58	1.892	3.16	1.28	0.574	0.758	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	5	0.05	0.114	0.36	0.05	0.019	0.138	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	5	47.	48.6	64.	39.	95.3	9.762	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	5	7.	7.6	9.	7.	0.8	0.894	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	5	12.	20.2	36.	11.	141.2	11.883	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	5	240.	284.	530.	200.	19430.	139.392	**	**	**	**

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Annual Analysis for 1974 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	3	130.	126.667	140.	110.	233.333	15.275	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	3	7.9	7.933	8.4	7.5	0.203	0.451	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	3	7.9	7.794	8.4	7.5	0.232	0.482	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	3	0.013	0.016	0.032	0.004	0.	0.014	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	3	57.	65.667	98.	42.	840.333	28.989	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	0.03	0.037	0.05	0.03	0.	0.012	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	0.02	0.023	0.036	0.012	0.	0.012	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	1.44	1.453	1.76	1.16	0.09	0.3	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	3	0.04	0.047	0.07	0.03	0.	0.021	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	3	46.	46.333	49.	44.	6.333	2.517	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	3	8.	8.	8.	8.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	3	9.	8.	9.	6.	3.	1.732	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	3	330.	506.667	1020.	170.	204033.333	451.7	**	**	**	**

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Annual Analysis for 1975 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	1	4.68	4.68	4.68	4.68	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	2	120.	120.	130.	110.	200.	14.142	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	3	7.7	7.367	7.8	6.6	0.443	0.666	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	3	7.7	7.019	7.8	6.6	0.624	0.79	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	3	0.02	0.096	0.251	0.016	0.018	0.135	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	2	30.	30.	38.	22.	128.	11.314	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	2	104.	104.	120.	88.	512.	22.627	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	2	0.04	0.04	0.06	0.02	0.001	0.028	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	2	0.041	0.041	0.042	0.04	0.	0.001	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	2	1.93	1.93	1.98	1.88	0.005	0.071	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	2	0.07	0.07	0.08	0.06	0.	0.014	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	2	47.	47.	50.	44.	18.	4.243	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	2	15.	15.	26.	4.	242.	15.556	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	2	315.	315.	410.	220.	18050.	134.35	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	2 ##	125.5	125.5	250.	1.	31000.5	176.07	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	2 ##	1.199	1.199	2.398	0.	2.875	1.696	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.811								

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Annual Analysis for 1976 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	2	202.5	202.5	240.	165.	2812.5	53.033	**	**	**	**
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	7	4.75	4.84	5.5	4.32	0.17	0.412	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	2	155.	155.	160.	150.	50.	7.071	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	9	7.7	7.522	8.2	6.9	0.234	0.484	6.9	7.	7.9	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	9	7.7	7.302	8.2	6.9	0.289	0.538	6.9	7.	7.9	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	9	0.02	0.05	0.126	0.006	0.002	0.049	0.006	0.013	0.103	0.126
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	2	71.	71.	104.	38.	2178.	46.669	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	3	98.	98.667	108.	90.	81.333	9.018	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	0.03	0.023	0.03	0.01	0.	0.012	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	0.022	0.025	0.034	0.02	0.	0.008	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	2	1.86	1.86	2.2	1.52	0.231	0.481	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	3	0.05	0.063	0.09	0.05	0.001	0.023	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	3	40.	40.	50.	30.	100.	10.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	3	10.	10.	11.	9.	1.	1.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	3	15.	13.	16.	8.	19.	4.359	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	3	160.	120.	180.	20.	7600.	87.178	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	3	310.	3470.	10000.	100.	31991700.	5656.121	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	3	2.491	2.83	4.	2.	1.086	1.042	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			676.79								

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Annual Analysis for 1977 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	3	5.25	18.067	44.1	4.85	508.341	22.546	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	4	155.	332.5	900.	120.	143558.333	378.891	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	4	8.	8.	8.5	7.5	0.333	0.577	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	4	7.76	7.76	8.5	7.5	0.41	0.641	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	4	0.017	0.017	0.032	0.003	0.	0.016	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	4	41.	40.5	52.	28.	129.	11.358	**	**	**	**

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Annual Analysis for 1977 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	4	100.	108.75	146.	89.	667.583	25.838	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	4	0.115	0.12	0.2	0.05	0.005	0.072	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	4	0.029	0.03	0.04	0.022	0.	0.008	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	4	1.525	1.638	2.2	1.3	0.159	0.399	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	4	0.06	0.063	0.1	0.03	0.001	0.03	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	4	46.	48.75	68.	35.	202.25	14.221	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	4	11.5	12.5	17.	10.	9.667	3.109	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	4	14.5	13.5	20.	5.	39.	6.245	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	4	265.	380.	830.	160.	96200.	310.161	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	2	45.	45.	50.	40.	50.	7.071	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	2	1.651	1.651	1.699	1.602	0.005	0.069	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			44.721								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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Annual Analysis for 1978 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	4	4.79	4.768	4.99	4.5	0.065	0.254	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	4	130.	132.5	150.	120.	158.333	12.583	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	4	7.95	7.875	8.2	7.4	0.129	0.359	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	4	7.925	7.758	8.2	7.4	0.148	0.384	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	4	0.012	0.017	0.04	0.006	0.	0.015	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	4	38.	37.5	46.	28.	65.	8.062	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	4	115.	117.5	146.	94.	571.667	23.91	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	4	0.115	0.105	0.14	0.05	0.002	0.039	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	4	0.022	0.066	0.2	0.018	0.008	0.09	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	4	1.77	1.76	2.2	1.3	0.136	0.368	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	4	0.065	0.068	0.1	0.04	0.001	0.025	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	4	48.5	49.25	55.	45.	18.917	4.349	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	3	12.	12.533	15.2	10.4	5.973	2.444	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	3	5.2	5.133	5.5	4.7	0.163	0.404	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	4	10.	10.	12.	8.	2.667	1.633	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	4	12.5	13.25	20.	8.	28.917	5.377	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	4	295.	287.5	380.	180.	6891.667	83.016	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	2	200.	200.	200.	200.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	2	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			200.								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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Annual Analysis for 1979 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	3	4.72	4.83	5.1	4.67	0.055	0.235	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	3	130.	128.333	135.	120.	58.333	7.638	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	3	7.8	7.733	8.	7.4	0.093	0.306	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	3	7.8	7.66	8.	7.4	0.101	0.318	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	3	0.016	0.022	0.04	0.01	0.	0.016	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	3	34.	24.333	38.	1.	412.333	20.306	**	**	**	**

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Annual Analysis for 1979 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	3	80.	79.333	90.	68.	121.333	11.015	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	0.03	0.037	0.06	0.02	0.	0.021	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	0.01	0.01	0.016	0.004	0.	0.006	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	3	1.85	1.617	1.9	1.1	0.201	0.448	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	3	0.05	0.047	0.06	0.03	0.	0.015	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	3	32.	30.667	50.	10.	401.333	20.033	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	3	12.	11.2	12.8	8.8	4.48	2.117	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	3	0.	1.833	5.5	0.	10.083	3.175	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	3	8.	9.	11.	8.	3.	1.732	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	3	10.	11.667	15.	10.	8.333	2.887	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	3	150.	146.667	160.	130.	233.333	15.275	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	1	70.	70.	70.	70.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	1	1.845	1.845	1.845	1.845	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			70.								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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Annual Analysis for 1980 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	9	34.	37.444	69.	14.	472.528	21.738	14.	17.	62.	69.
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	8	4.41	4.421	4.78	4.13	0.066	0.258	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	8	139.	139.5	150.	130.	41.714	6.459	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	4	0.75	1.375	3.6	0.4	2.229	1.493	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	8	7.15	7.163	7.6	6.8	0.088	0.297	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	8	7.147	7.079	7.6	6.8	0.096	0.31	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	8	0.071	0.083	0.158	0.025	0.003	0.052	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	8	41.	39.75	46.	28.	46.214	6.798	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	7	116.	119.143	140.	106.	146.476	12.103	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	8	0.025	0.028	0.05	0.01	0.	0.016	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	8	0.005	0.007	0.012	0.004	0.	0.003	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	8	1.195	1.26	1.85	0.86	0.117	0.342	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	8	0.035	0.036	0.05	0.02	0.	0.011	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	8	44.	45.125	54.	42.	14.411	3.796	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	8	14.8	14.6	18.4	10.4	6.171	2.484	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	8	2.	2.394	5.	0.25	3.047	1.746	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	8	9.	9.25	15.	5.	9.071	3.012	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	8	12.5	13.125	20.	5.	28.125	5.303	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	8	205.	848.75	4930.	120.	2761669.643	1661.827	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	8	250.	526.25	2000.	20.	497112.5	705.062	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	8	2.395	2.338	3.301	1.301	0.446	0.668	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			217.6								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	7	0.	0.	0.	0.	0.	0.	**	**	**	**

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Annual Analysis for 1981 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	12	26.5	28.5	78.	11.	335.182	18.308	11.3	13.75	36.	65.7
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	4.35	4.253	4.9	2.38	0.429	0.655	2.89	4.128	4.72	4.882
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	147.5	149.167	170.	135.	153.788	12.401	135.	140.	158.75	170.
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	10	0.9	0.77	1.2	0.2	0.218	0.467	0.2	0.275	1.2	1.2
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	6.85	7.017	8.4	6.3	0.514	0.717	6.3	6.425	7.275	8.37

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Annual Analysis for 1981 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	6.825	6.69	8.4	6.3	0.631	0.794	6.3	6.425	7.275	8.37
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.15	0.204	0.501	0.004	0.035	0.187	0.004	0.053	0.378	0.501
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	37.	38.833	48.	30.	38.152	6.177	30.	34.5	44.	47.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	110.	121.	272.	48.	2839.636	53.288	60.6	98.5	126.5	234.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.01	0.041	0.22	0.005	0.004	0.062	0.007	0.01	0.055	0.181
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.009	0.009	0.022	0.002	0.	0.006	0.003	0.005	0.014	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.085	1.181	1.93	0.57	0.242	0.492	0.57	0.763	1.745	1.9
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.04	0.043	0.07	0.03	0.	0.015	0.03	0.03	0.05	0.07
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	47.5	51.583	68.	38.	112.265	10.596	38.3	43.5	60.	68.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	12	13.5	12.742	21.8	1.6	28.739	5.361	2.95	9.35	15.65	20.69
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	12	4.35	4.467	6.5	2.	1.306	1.143	2.51	3.925	4.975	6.35
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	10.5	10.167	13.	8.	3.606	1.899	8.	8.	12.	12.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	12.5	18.417	70.	5.	327.174	18.088	5.	6.25	23.75	57.4
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	210.	233.333	440.	110.	10733.333	103.602	116.	155.	277.5	431.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	11	120.	580.227	5000.	12.5	2163375.568	1470.842	15.	25.	300.	4080.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	11	2.079	2.093	3.699	1.097	0.504	0.71	1.157	1.398	2.477	3.48
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			123.883								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	2.333	14.	0.	29.697	5.449	0.	0.	0.	14.

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Annual Analysis for 1982 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	12	41.5	50.083	104.	23.	551.72	23.489	24.8	32.75	66.5	95.
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	4.55	4.546	4.92	4.27	0.035	0.186	4.294	4.39	4.68	4.863
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	142.5	142.833	180.	120.	228.152	15.105	123.	131.25	148.	172.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	11	0.5	0.536	1.5	0.1	0.215	0.463	0.1	0.1	0.6	1.44
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	7.	6.983	7.5	6.6	0.109	0.33	6.6	6.6	7.275	7.47
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	7.	6.876	7.5	6.6	0.121	0.348	6.6	6.6	7.275	7.47
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.1	0.133	0.251	0.032	0.008	0.091	0.034	0.053	0.251	0.251
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	34.	32.5	42.	20.	37.909	6.157	21.2	28.5	36.	40.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	103.	103.833	146.	68.	542.879	23.3	69.2	89.	114.5	144.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.01	0.028	0.1	0.01	0.001	0.032	0.01	0.01	0.045	0.094
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.006	0.008	0.018	0.002	0.	0.004	0.003	0.004	0.01	0.016
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.415	1.468	2.85	0.36	0.314	0.56	0.588	1.323	1.593	2.529
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.045	0.047	0.07	0.03	0.	0.016	0.03	0.03	0.06	0.07
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	11	46.	45.091	60.	36.	41.091	6.41	36.8	40.	48.	57.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	11	13.	23.9	120.	9.9	1060.154	32.56	10.06	10.8	14.7	102.76
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	11	4.3	7.755	40.	3.5	115.721	10.757	3.58	4.	4.5	33.58
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	9.	9.583	13.	8.	3.538	1.881	8.	8.	10.75	13.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	12.5	12.083	18.	5.	16.265	4.033	5.	10.	15.	17.1
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	200.	334.167	1150.	150.	90881.061	301.465	150.	162.5	415.	1009.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	205.	307.5	1300.	25.	116752.273	341.69	40.	100.	375.	1045.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	2.301	2.29	3.114	1.398	0.199	0.446	1.541	2.	2.574	2.976
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			195.204								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	8 ##	0.5	0.788	2.1	0.5	0.341	0.584	**	**	**	**

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Annual Analysis for 1983 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	11	42.	73.636	167.	16.	3566.655	59.721	16.8	20.	143.	164.8
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	11	4.47	4.655	5.42	4.11	0.223	0.472	4.126	4.19	5.18	5.382
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	136.	135.083	155.	110.	173.356	13.166	112.7	125.5	145.	152.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	6	0.55	0.567	1.	0.1	0.087	0.294	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	6.85	6.867	7.3	6.4	0.102	0.32	6.43	6.525	7.175	7.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	6.847	6.764	7.3	6.4	0.114	0.338	6.43	6.525	7.175	7.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.142	0.172	0.398	0.05	0.014	0.119	0.05	0.067	0.3	0.374
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	32.	30.833	42.	20.	52.697	7.259	20.6	24.	36.	41.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	105.	106.083	152.	52.	625.902	25.018	63.4	91.	125.5	145.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.01	0.018	0.08	0.005	0.	0.021	0.007	0.01	0.018	0.065
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.006	0.006	0.014	0.002	0.	0.004	0.002	0.002	0.008	0.013
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.58	1.565	1.94	1.1	0.075	0.275	1.106	1.373	1.823	1.916
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.045	0.043	0.05	0.02	0.	0.01	0.023	0.04	0.05	0.05
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	45.5	44.917	56.	33.	40.265	6.345	34.5	40.5	48.75	55.1
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	12	11.55	11.908	14.2	9.1	2.906	1.705	9.34	10.75	13.675	14.11
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	12	4.	3.933	4.6	3.2	0.157	0.396	3.23	3.725	4.175	4.51
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	9.	10.	16.	7.	6.182	2.486	7.3	8.25	11.	15.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	15.	17.25	35.	10.	73.477	8.572	10.	10.25	20.	34.4
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	120.	160.	530.	60.	18436.364	135.781	63.	85.	150.	470.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	250.	746.875	5000.	12.5	2015230.824	1419.588	23.75	75.	825.	3980.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	2.398	2.343	3.699	1.097	0.506	0.711	1.278	1.875	2.869	3.551
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			220.463								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	12	1.55	2.775	8.5	0.5	7.455	2.73	0.5	0.5	5.25	7.84

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Annual Analysis for 1984 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	12	102.	97.417	197.	28.	2885.356	53.716	29.5	41.5	138.	182.
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	4.905	4.831	5.35	4.34	0.112	0.334	4.358	4.475	5.095	5.287
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	135.	131.667	145.	115.	124.242	11.146	116.5	120.	140.	145.
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	9 ##	0.2	0.467	1.4	0.1	0.208	0.456	0.1	0.15	0.8	1.4
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	7.	6.95	7.7	6.	0.225	0.474	6.06	6.8	7.275	7.61
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	7.	6.678	7.7	6.	0.305	0.553	6.06	6.8	7.275	7.61
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.1	0.21	1.	0.02	0.088	0.297	0.026	0.053	0.158	0.889
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	31.	31.167	40.	22.	33.061	5.75	22.6	26.5	36.	39.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	107.	105.083	140.	69.	542.811	23.298	69.3	86.	124.	135.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.05	0.067	0.26	0.01	0.004	0.064	0.016	0.035	0.068	0.209
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.008	0.007	0.01	0.002	0.	0.003	0.003	0.006	0.01	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.67	1.702	2.85	0.93	0.202	0.449	1.08	1.458	1.825	2.577
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.055	0.051	0.07	0.02	0.	0.016	0.023	0.04	0.06	0.07
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	45.5	45.667	53.	37.	29.879	5.466	37.3	41.25	51.	52.7
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	12	12.5	12.075	16.5	7.9	6.762	2.6	8.29	9.525	13.9	16.14
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	12	4.25	4.2	4.7	3.5	0.244	0.494	3.5	3.675	4.7	4.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	9.	9.	12.	7.	1.818	1.348	7.3	8.	10.	11.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	13.5	16.667	37.	5.	109.106	10.445	5.	10.625	24.25	36.1
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	160.	221.667	800.	50.	38615.152	196.507	65.	115.	262.5	653.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	11	250.	480.682	1800.	12.5	299597.614	547.355	25.	180.	620.	1680.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	11	2.398	2.408	3.255	1.097	0.343	0.586	1.253	2.255	2.792	3.22
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			255.667								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	0.667	8.	0.	5.333	2.309	0.	0.	0.	5.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	12	2.05	2.825	9.5	0.5	6.608	2.571	0.5	1.075	3.6	8.36

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	12	33.	47.833	167.	14.	1836.333	42.852	15.2	21.	68.5	139.7
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	4.39	4.453	5.23	4.04	0.108	0.329	4.073	4.21	4.695	5.086
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	135.	138.333	160.	120.	101.515	10.075	123.	135.	143.75	157.
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	11	0.8	0.818	1.6	0.2	0.292	0.54	0.2	0.2	1.2	1.6
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	6.65	6.725	7.5	6.	0.186	0.431	6.06	6.5	7.075	7.41
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	6.647	6.544	7.5	6.	0.221	0.471	6.06	6.5	7.075	7.41
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.225	0.286	1.	0.032	0.078	0.279	0.041	0.085	0.316	0.889
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	36.	35.917	46.	17.	67.356	8.207	20.9	32.	44.	45.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	128.	133.167	182.	110.	396.697	19.917	111.8	117.	145.5	171.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.04	0.064	0.18	0.01	0.003	0.057	0.013	0.023	0.087	0.177
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.006	0.01	0.034	0.004	0.	0.009	0.004	0.004	0.016	0.03
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.405	1.521	2.85	0.72	0.368	0.607	0.807	1.11	1.643	2.748
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.045	0.054	0.12	0.03	0.001	0.028	0.03	0.03	0.075	0.108
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	48.5	47.167	75.	24.	149.606	12.231	26.4	43.5	51.25	68.7
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	12	12.85	13.092	17.9	8.1	5.868	2.422	9.06	11.95	14.475	17.21
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	12	4.3	4.55	6.7	3.3	0.637	0.798	3.57	4.3	4.75	6.22
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	10.	11.083	23.	8.	15.174	3.895	8.3	9.25	11.	19.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	15.	16.083	31.	5.	49.72	7.051	6.8	11.	21.	28.3
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	155.	240.	790.	50.	51454.545	226.836	50.	67.5	390.	706.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	180.	257.917	780.	25.	52152.083	228.368	41.5	85.	415.	711.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	2.253	2.245	2.892	1.398	0.177	0.421	1.549	1.927	2.609	2.847
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			175.988								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	12 ##	0.5	0.992	3.	0.5	0.608	0.78	0.5	0.5	1.275	2.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	12	49.	65.417	141.	15.	2329.356	48.263	15.9	22.25	117.	139.2
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	4.545	4.587	5.11	4.07	0.144	0.379	4.094	4.243	4.988	5.101
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	136.	135.583	158.	120.	176.447	13.283	120.	122.75	149.	155.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	8	0.9	1.075	2.4	0.2	0.411	0.641	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	6.5	6.433	7.1	6.	0.092	0.303	6.03	6.125	6.6	6.95
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	6.5	6.347	7.1	6.	0.1	0.316	6.03	6.125	6.6	6.95
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.316	0.45	1.	0.079	0.08	0.284	0.131	0.251	0.753	0.938
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	35.	35.	48.	24.	68.	8.246	24.6	28.	42.	47.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	119.	121.667	156.	102.	316.242	17.783	102.	105.	133.5	153.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.035	0.038	0.08	0.01	0.001	0.023	0.01	0.02	0.058	0.077
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.006	0.012	0.08	0.002	0.	0.022	0.002	0.004	0.008	0.06
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.33	1.333	1.91	0.77	0.146	0.383	0.779	0.955	1.678	1.865
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.045	0.053	0.12	0.03	0.001	0.025	0.03	0.04	0.068	0.105
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	46.	46.333	56.	39.	26.97	5.193	39.3	42.25	50.25	55.1
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	12	13.3	12.95	15.5	10.6	2.85	1.688	10.69	11.175	14.3	15.32
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	12	4.35	4.333	4.9	3.7	0.175	0.419	3.73	3.925	4.675	4.9
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	10.	10.167	12.	8.	1.061	1.03	8.3	10.	11.	11.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	13.5	13.583	22.	5.	30.447	5.518	5.	10.5	18.75	21.7
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	365.	381.667	670.	180.	25669.697	160.218	186.	250.	485.	664.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	180.	487.5	2000.	10.	523002.273	723.189	13.	80.	525.	2000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	2.253	2.258	3.301	1.	0.477	0.691	1.09	1.87	2.703	3.301
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			181.028								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	4.	32.	0.	98.909	9.945	0.	0.	0.	27.2
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	12	3.7	3.883	7.9	0.5	5.652	2.377	0.65	1.575	5.725	7.63

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

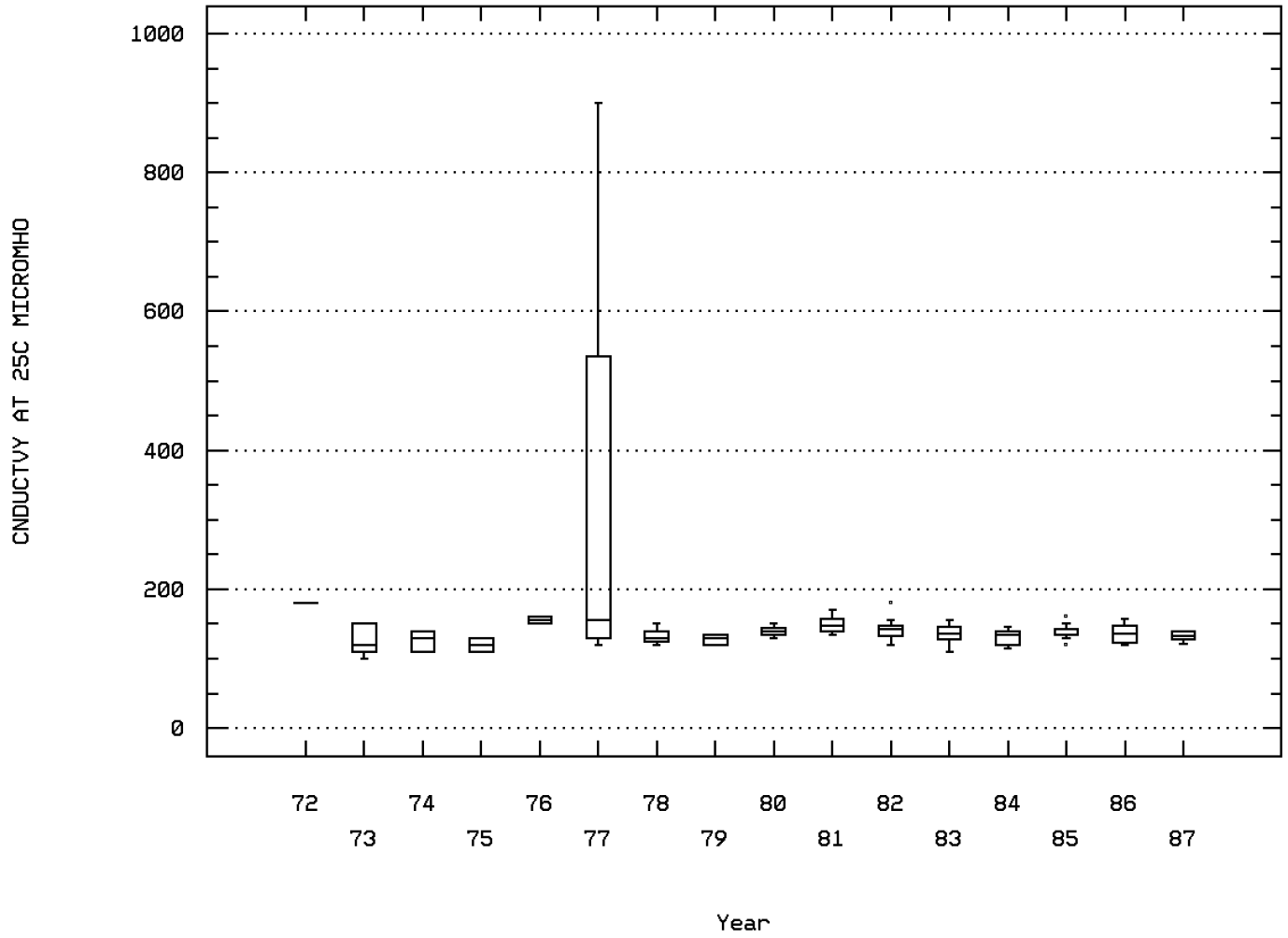
Annual Analysis for 1987 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	12	58.5	74.833	295.	20.	5485.061	74.061	21.5	29.	73.25	240.1
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	12	4.62	4.651	5.68	4.2	0.153	0.391	4.227	4.343	4.725	5.464
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	12	132.5	133.	140.	122.	46.545	6.822	122.9	126.25	140.	140.
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	11	1.6	1.6	2.5	0.4	0.37	0.608	0.48	1.2	2.	2.4
00403p	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	12	6.5	6.667	7.6	6.	0.275	0.525	6.03	6.225	7.175	7.51
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	12	6.489	6.441	7.6	6.	0.331	0.575	6.03	6.225	7.175	7.51
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	12	0.325	0.363	1.	0.025	0.102	0.319	0.033	0.067	0.599	0.938
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	36.	36.333	48.	28.	39.152	6.257	28.6	30.	41.5	46.2
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	12	130.	845.583	7902.	1.	5014807.174	2239.377	27.1	105.	175.5	5851.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.06	0.055	0.1	0.01	0.001	0.022	0.016	0.043	0.068	0.091
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	0.005	0.007	0.02	0.002	0.	0.005	0.002	0.004	0.011	0.018
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	12	1.505	1.562	2.42	0.9	0.173	0.416	0.951	1.353	1.868	2.306
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	12	0.075	0.14	0.65	0.04	0.035	0.188	0.04	0.04	0.108	0.572
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	12	47.	45.75	52.	30.	38.568	6.21	33.	42.75	50.	52.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	12	13.45	13.217	14.4	10.9	1.105	1.051	11.2	12.4	14.	14.34
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	12	4.35	4.517	6.3	4.1	0.369	0.607	4.1	4.125	4.5	5.88
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	12	10.	10.	13.	8.	1.818	1.348	8.3	9.	11.	12.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	12	22.	21.667	34.	5.	80.061	8.948	6.5	15.5	29.	33.1
01045p	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	12	275.	1322.5	12300.	210.	11971602.273	3460.	213.	222.5	445.	8823.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	130.	618.333	3700.	20.	1414215.152	1189.208	32.	65.	250.	3340.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	12	2.102	2.237	3.568	1.301	0.431	0.656	1.444	1.809	2.397	3.517
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			172.665								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/25/82-12/10/87	12	2.15	18.167	190.	1.3	2930.339	54.133	1.33	1.525	4.025	134.86

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: VAFO0434 Parameter Code: 00095

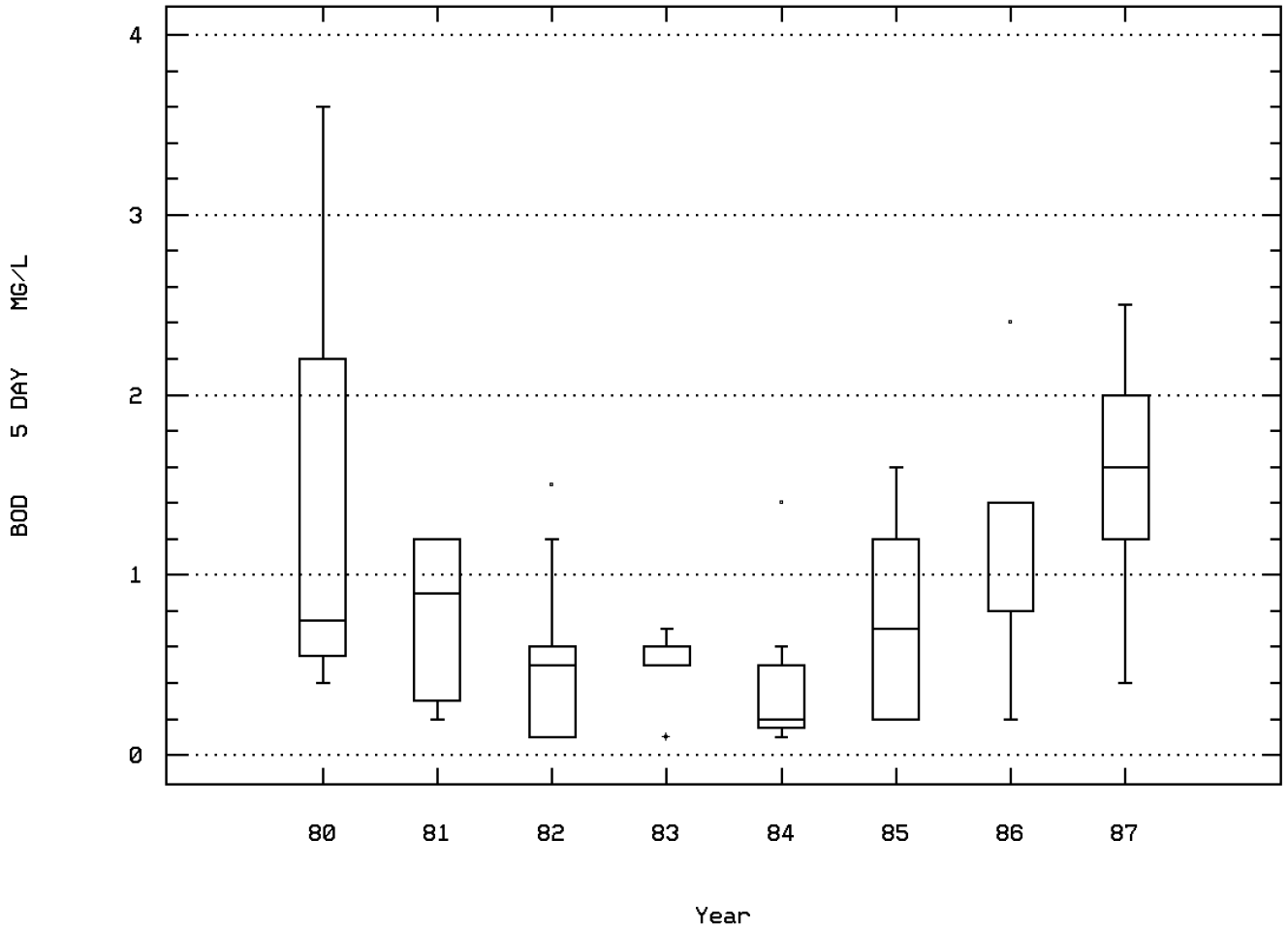
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00310

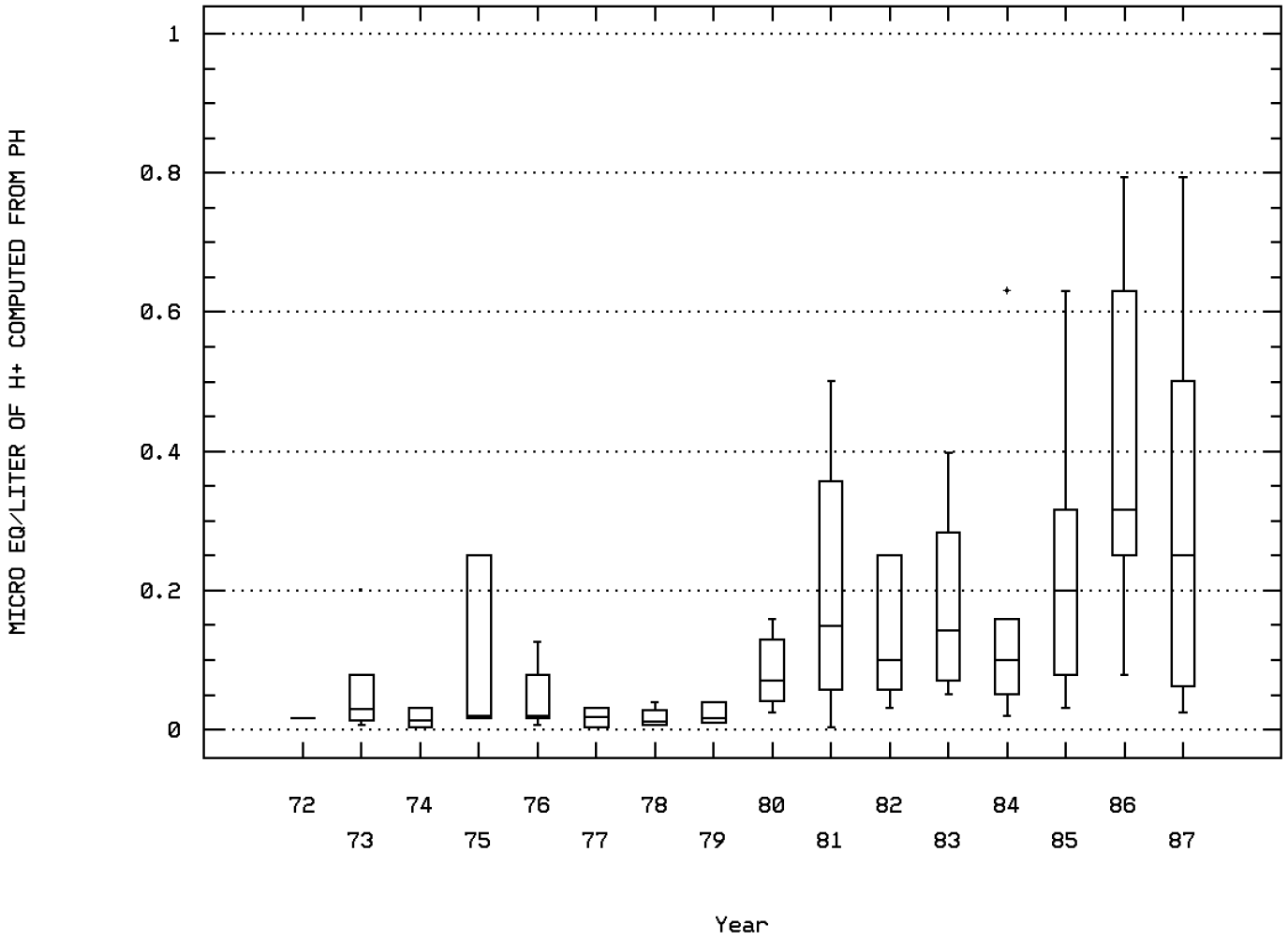
BOD, 5 DAY, 20 DEG C



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00403

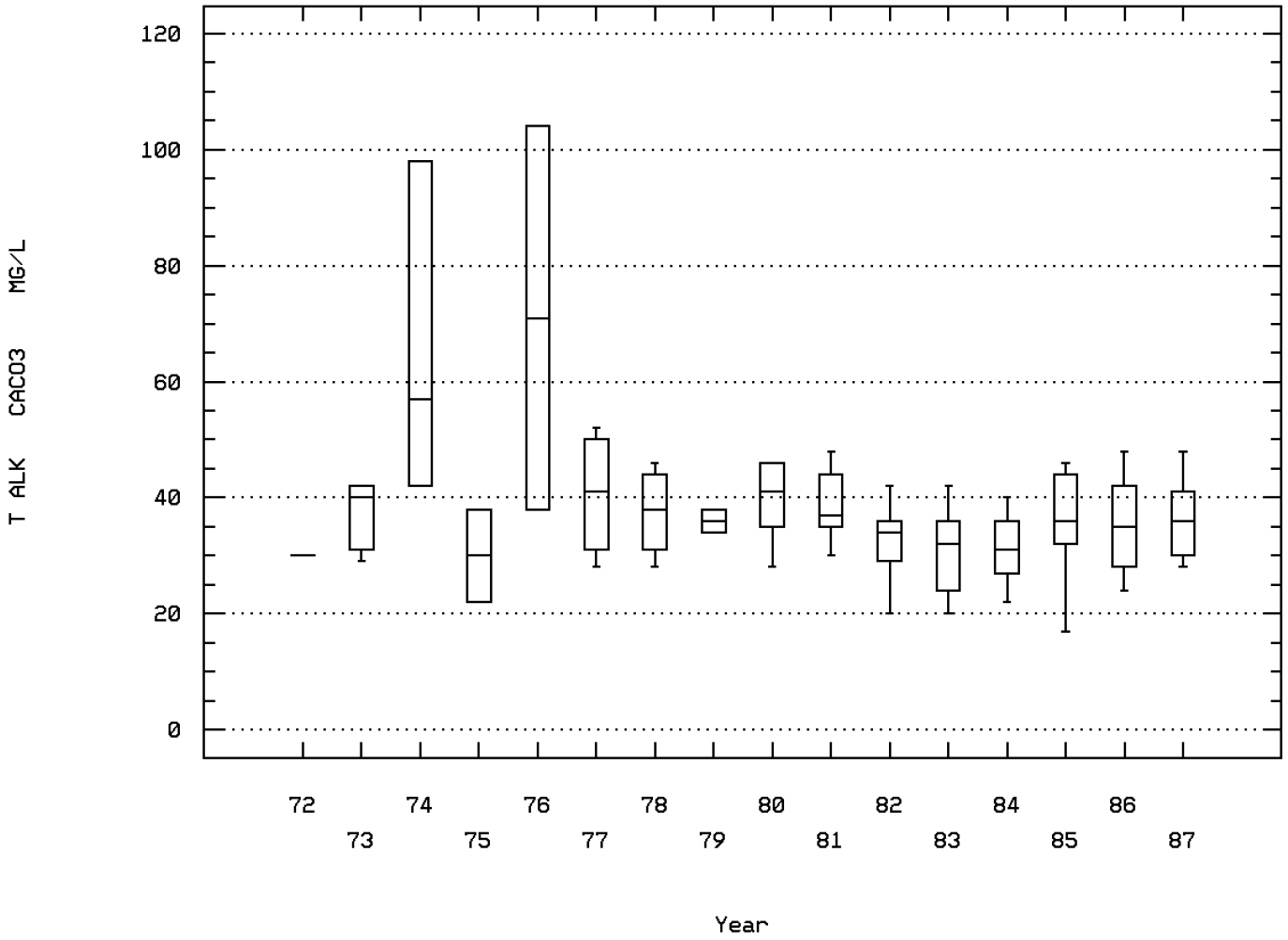
MICRO EQ/LITER OF H+ COMPUTED FROM PH



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00410

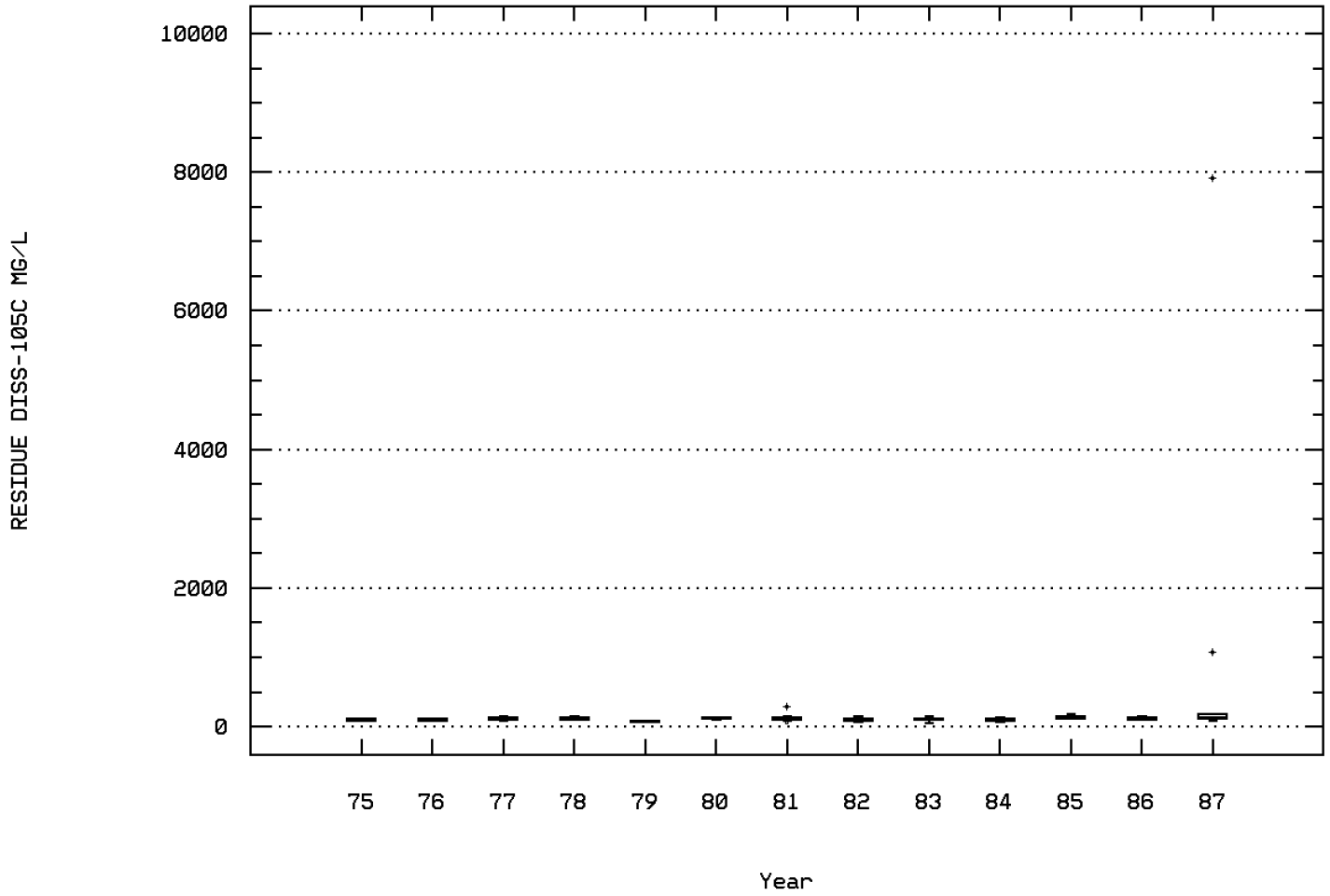
ALKALINITY, TOTAL (MG/L AS CACO3)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00515

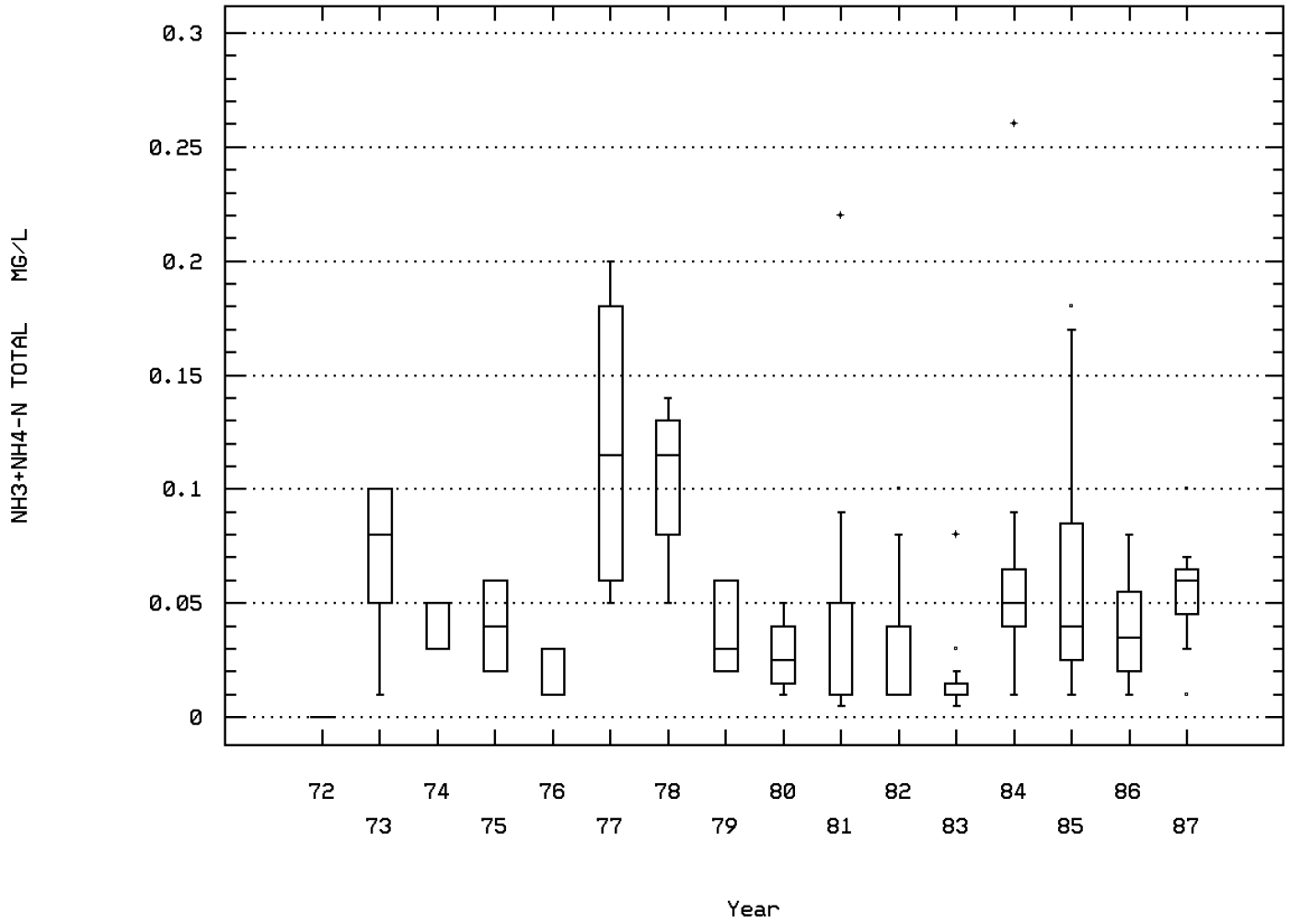
RESIDUE, TOTAL FILTRABLE (DRIED AT 105



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00610

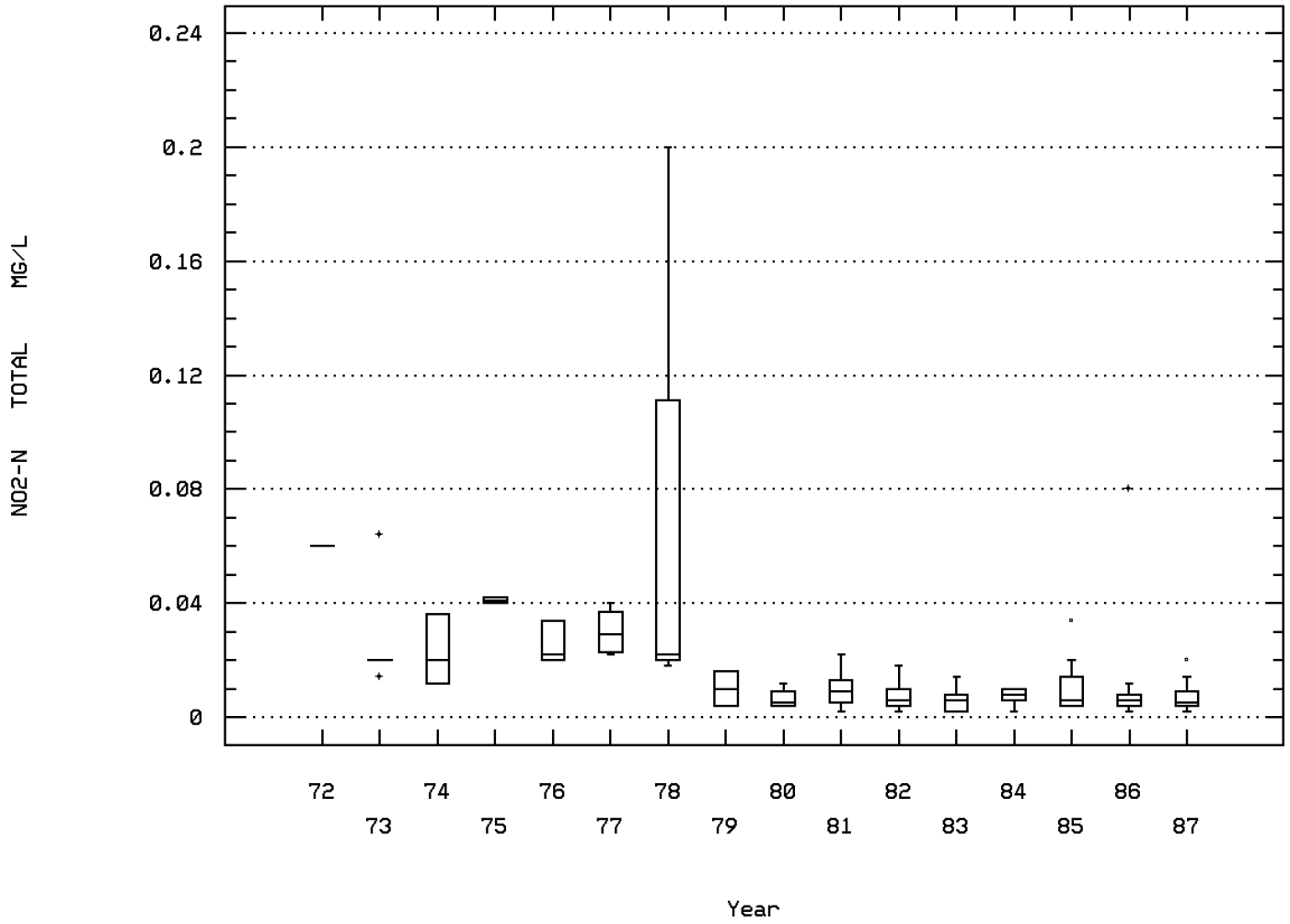
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 00615

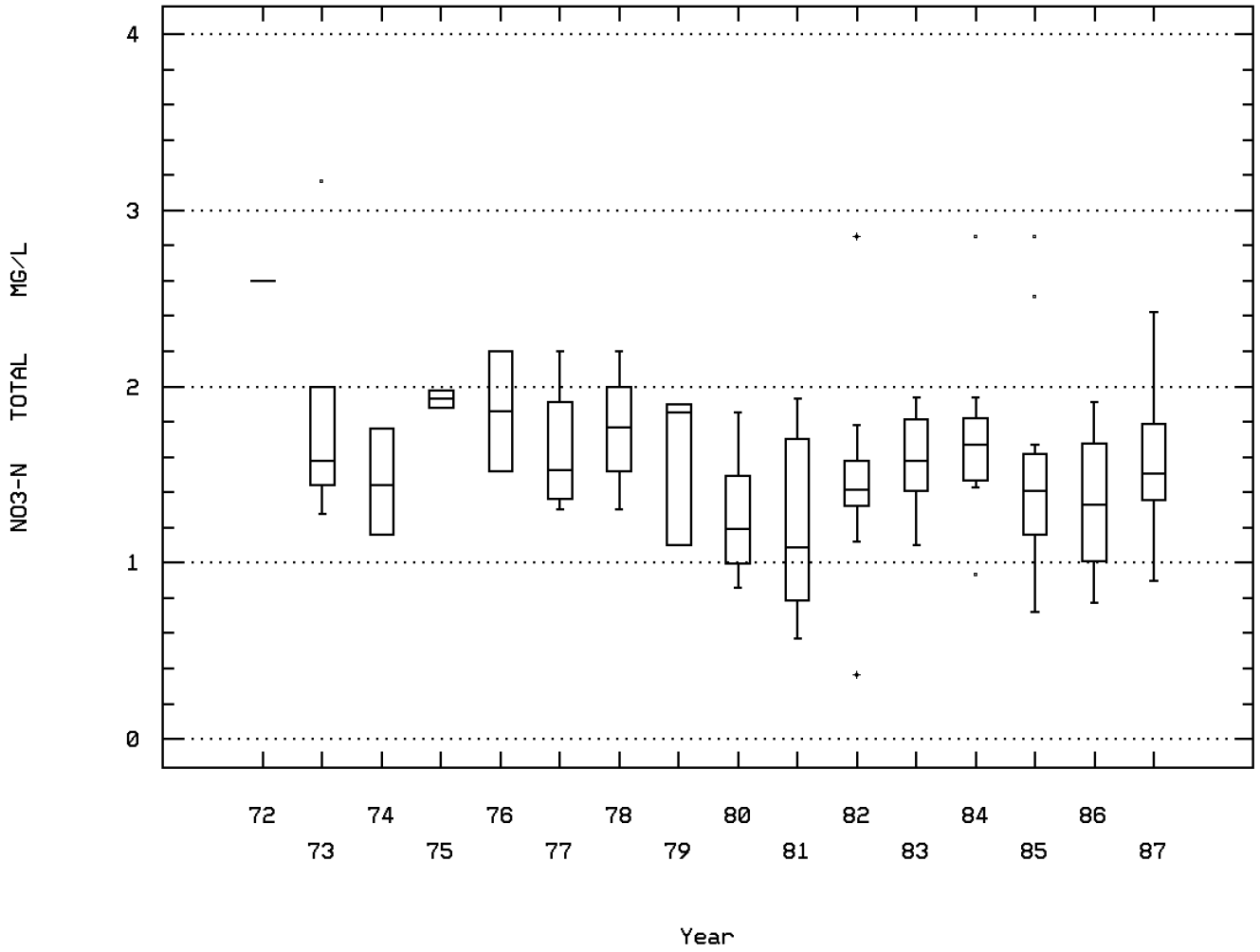
NITRITE NITROGEN, TOTAL (MG/L AS N)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00620

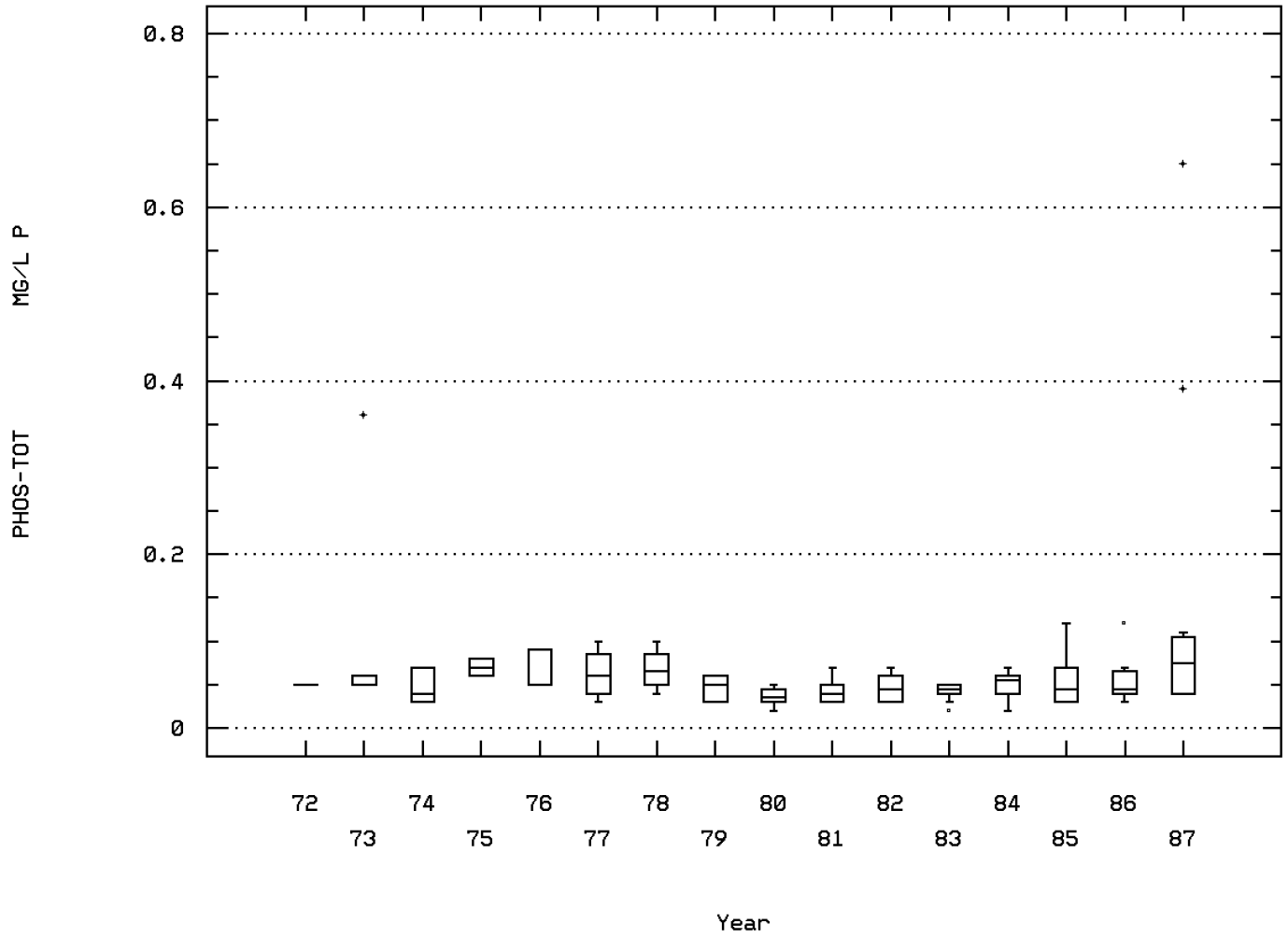
NITRATE NITROGEN, TOTAL (MG/L AS N)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 00665

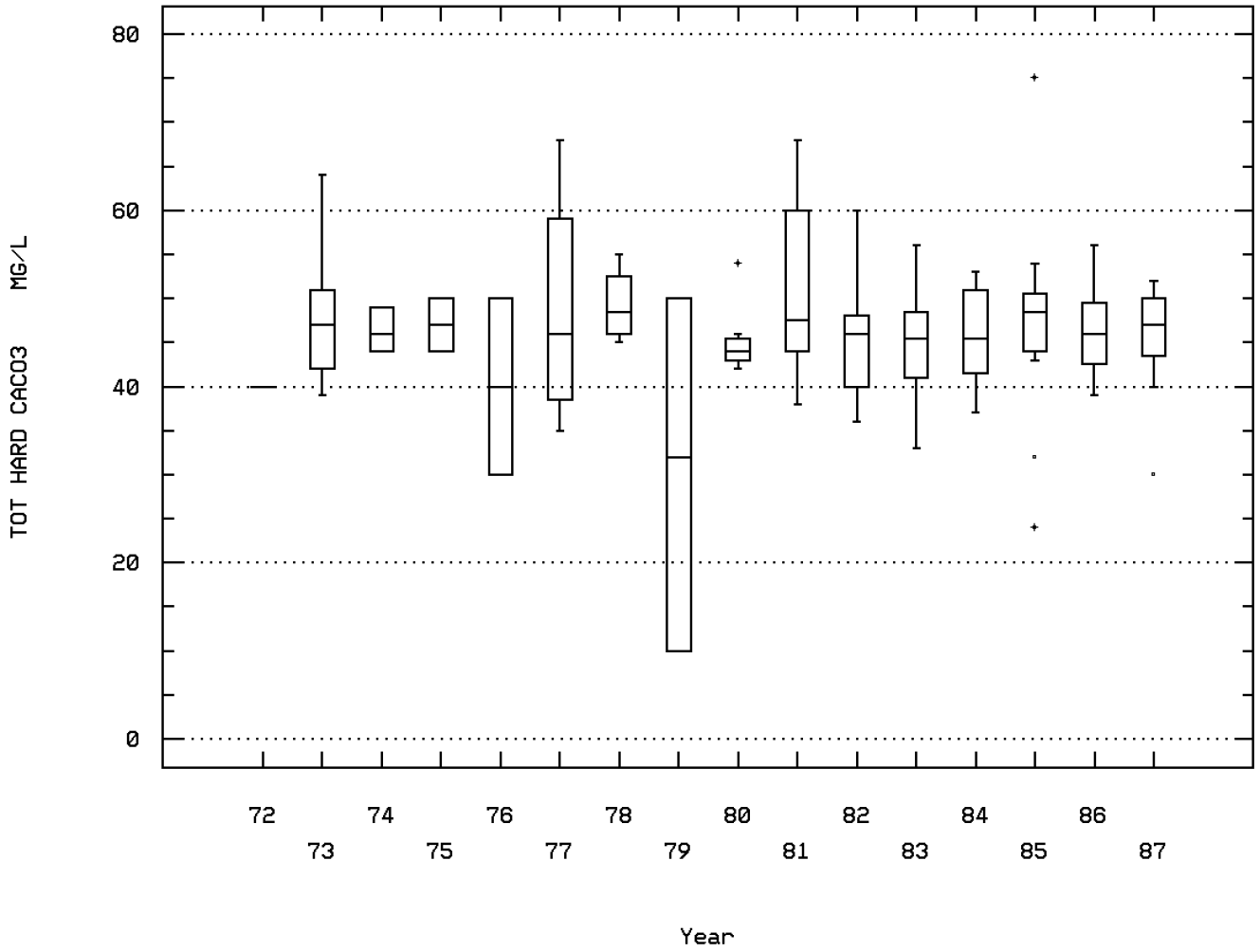
PHOSPHORUS, TOTAL (MG/L AS P)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00900

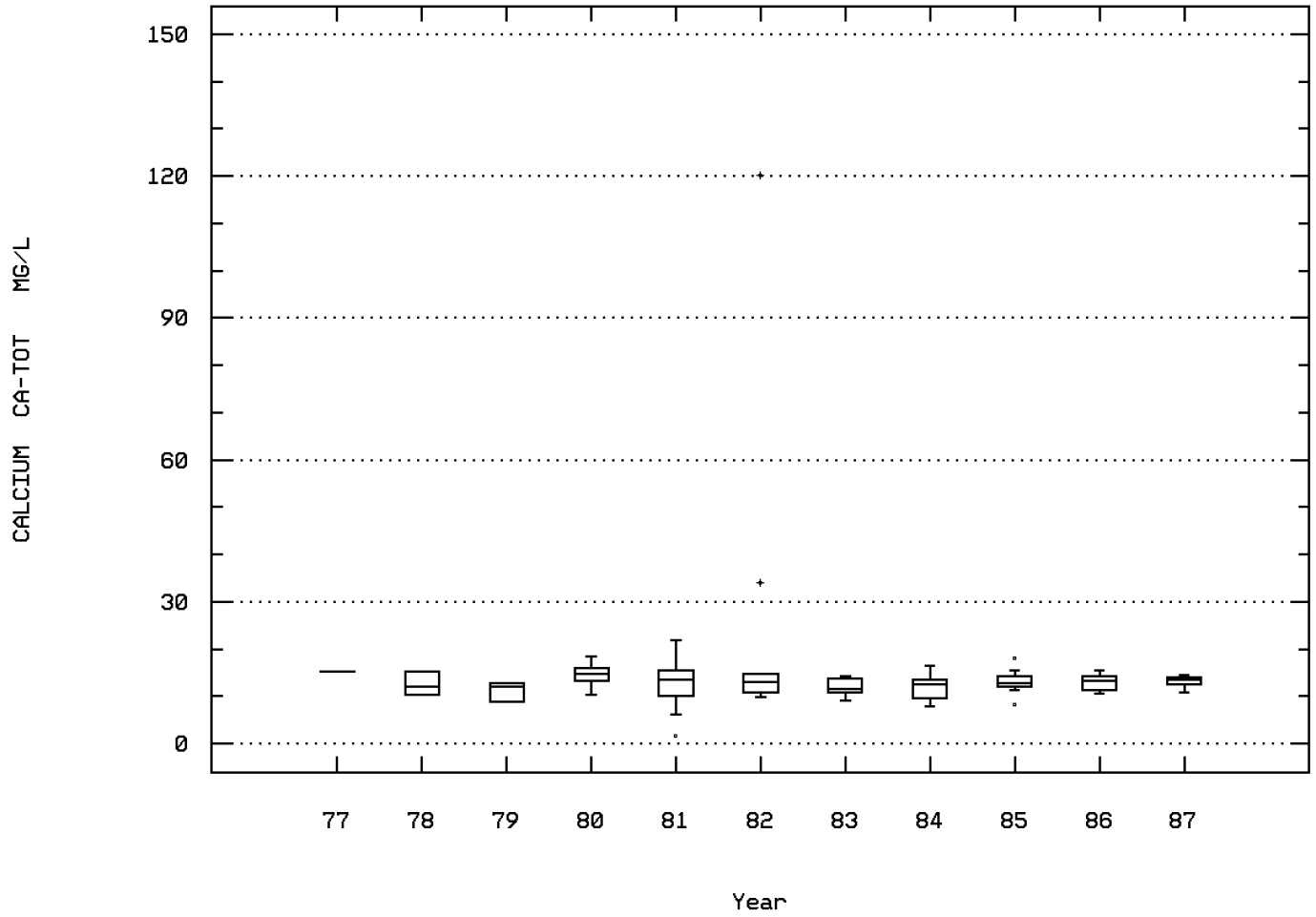
HARDNESS, TOTAL (MG/L AS CACO3)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00916

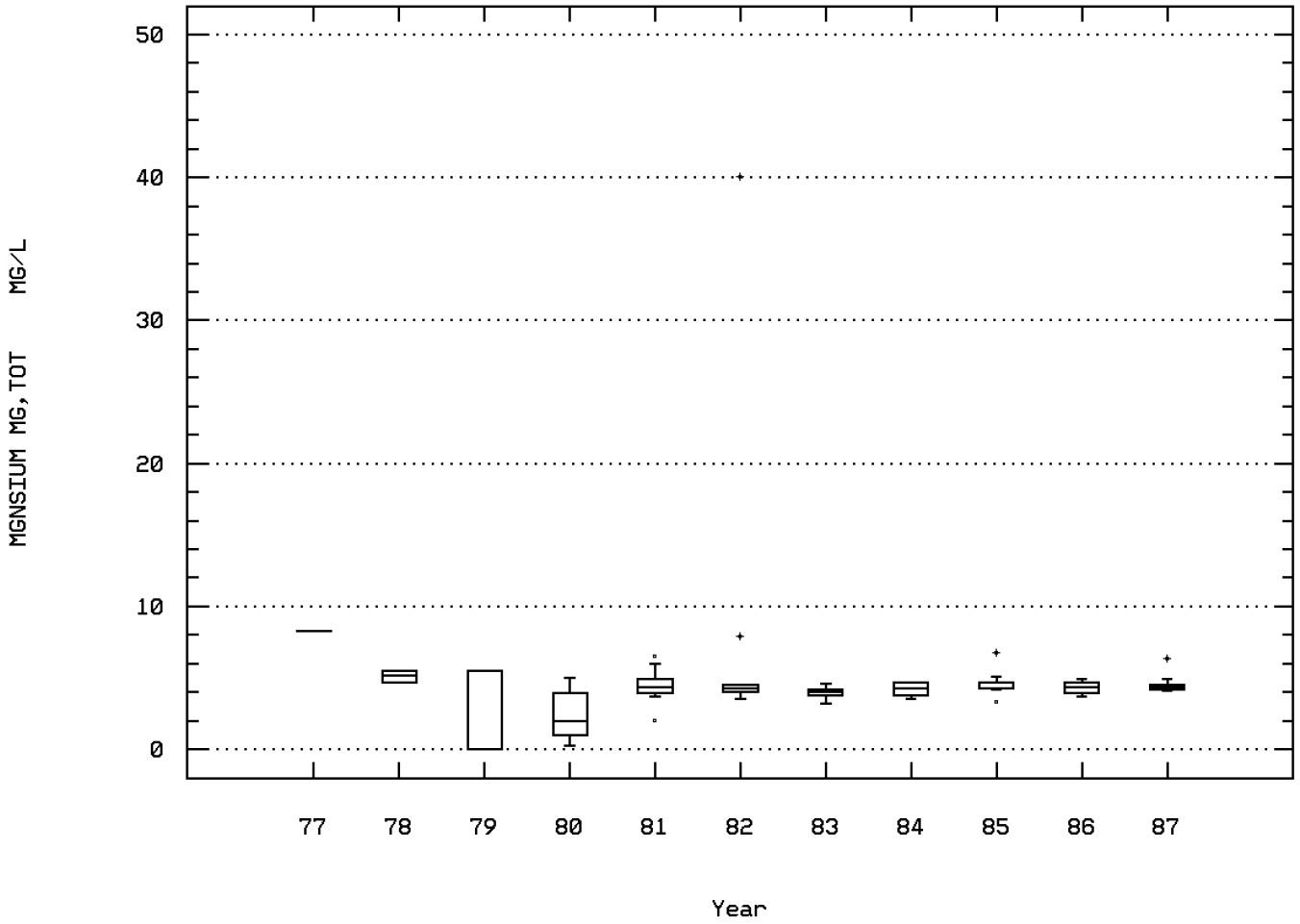
CALCIUM, TOTAL (MG/L AS CA)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00927

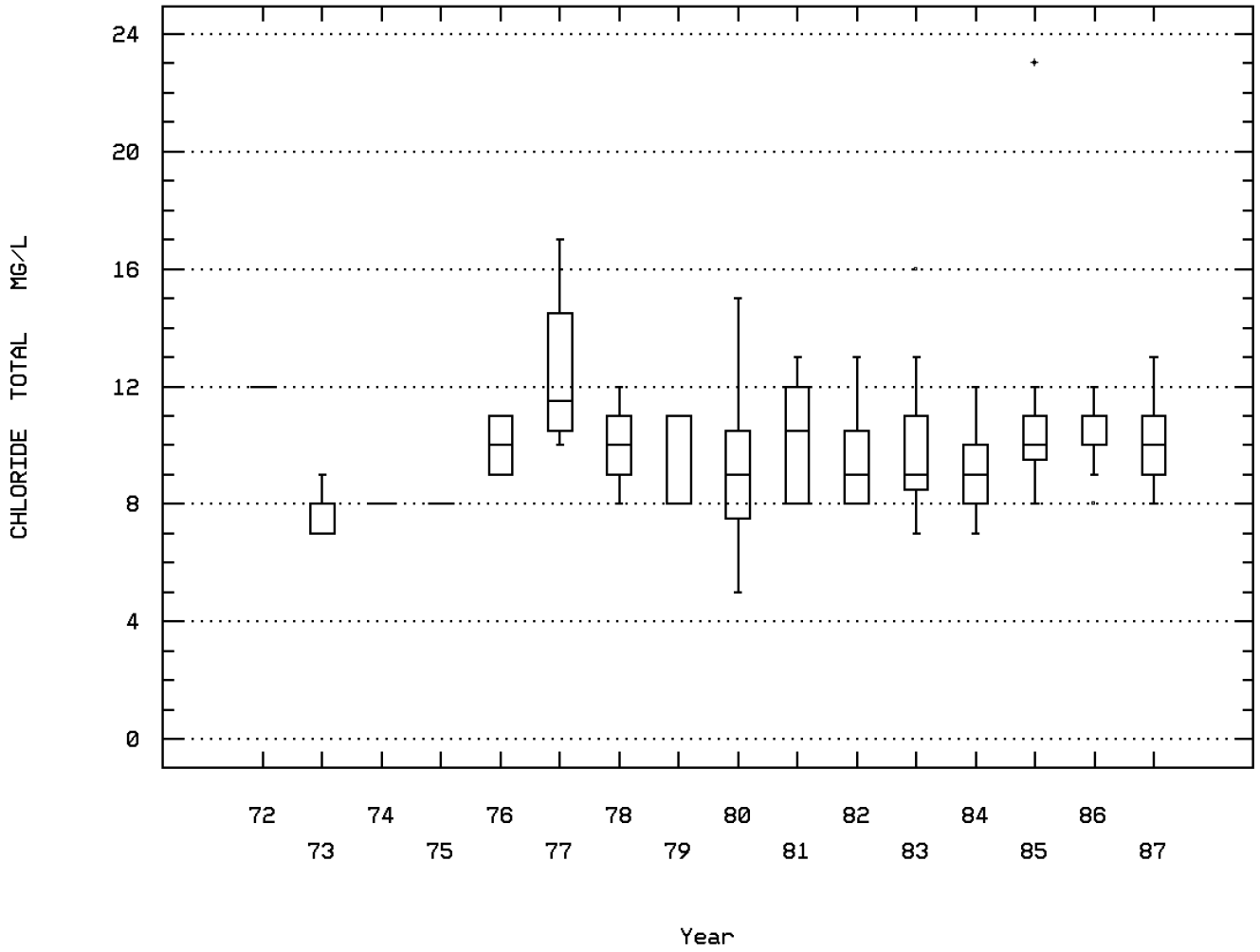
MAGNESIUM, TOTAL (MG/L AS MG)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 00940

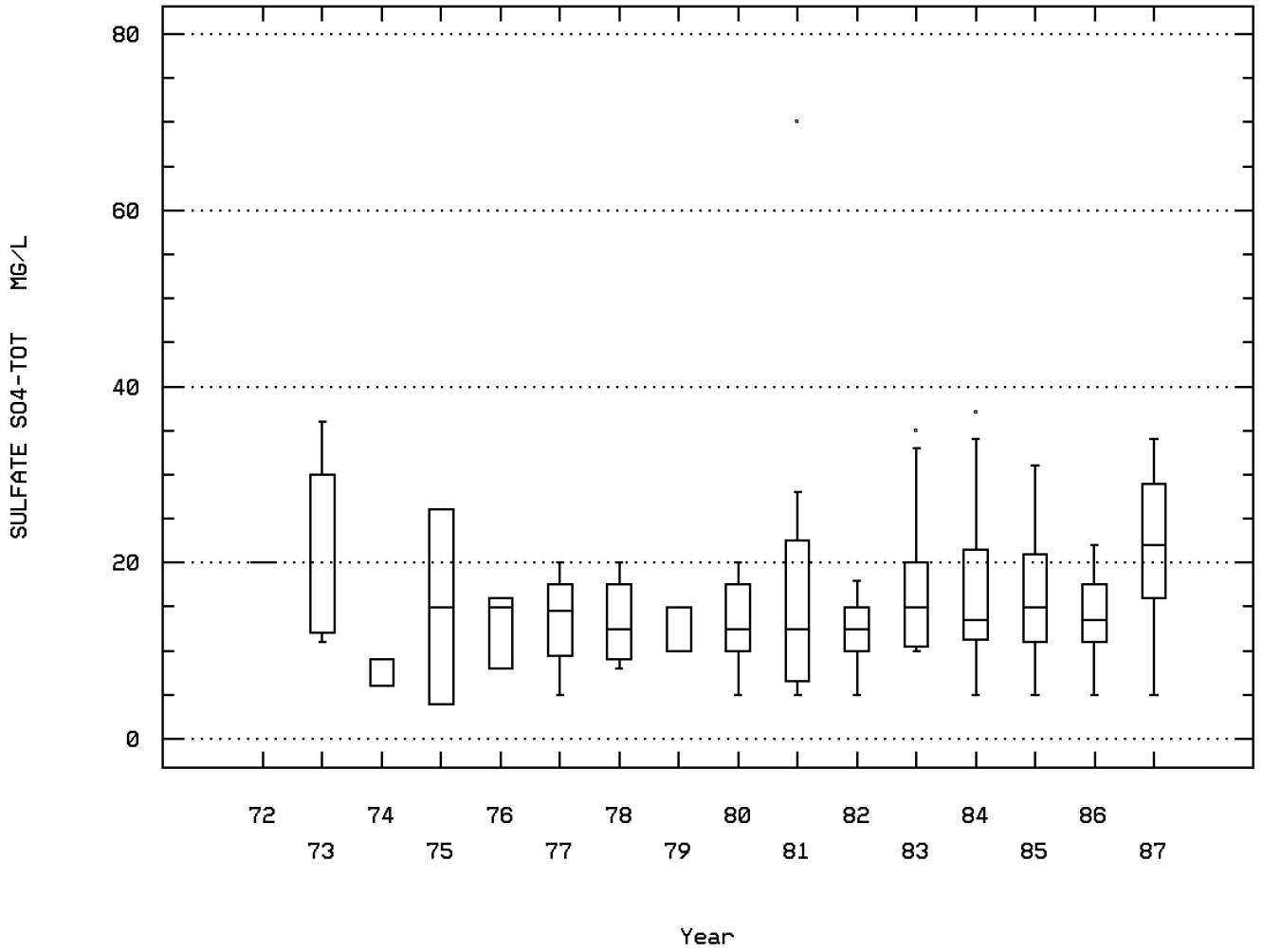
CHLORIDE,TOTAL IN WATER



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 00945

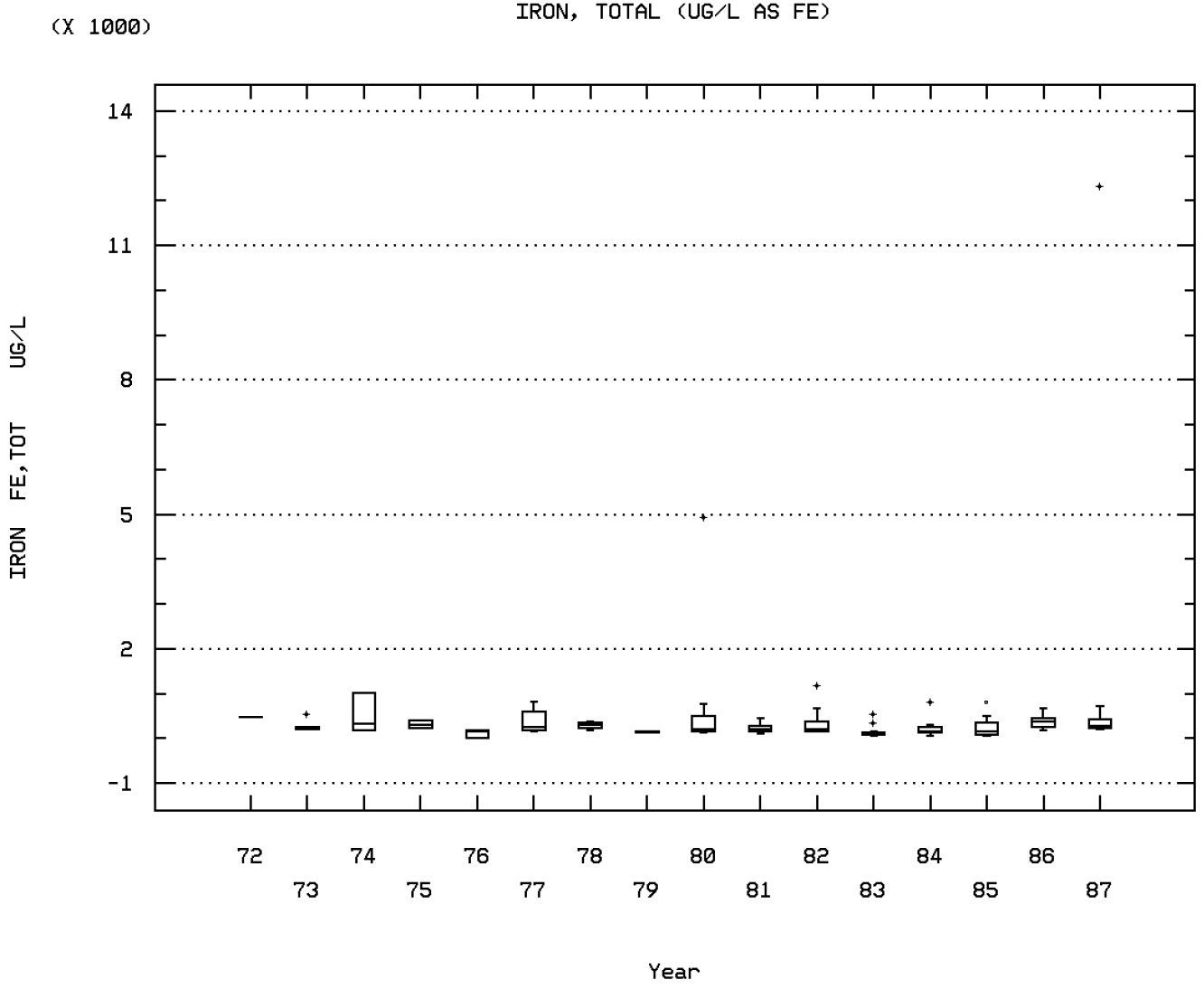
SULFATE, TOTAL (MG/L AS SO4)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 01045

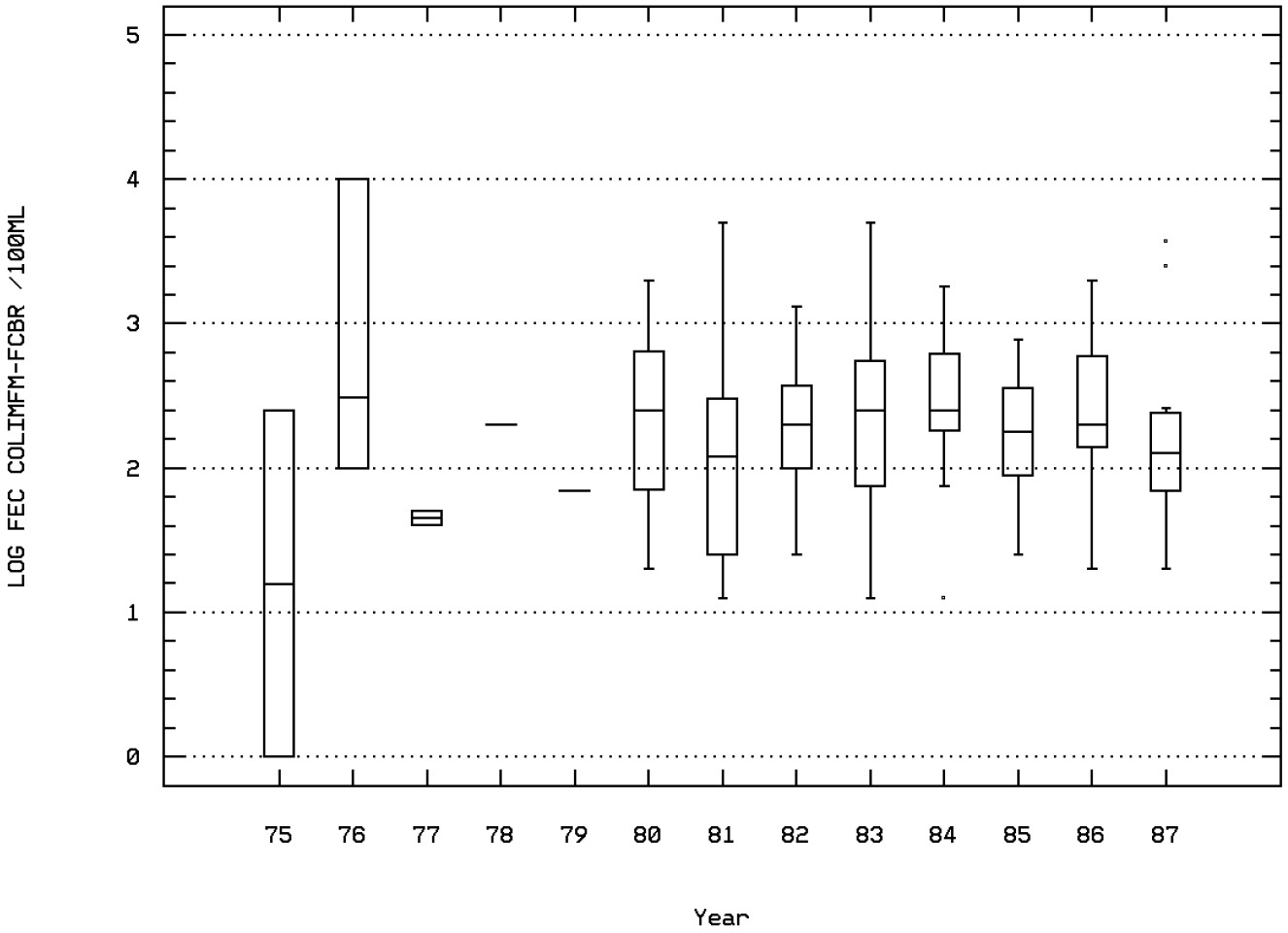
IRON, TOTAL (UG/L AS FE)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 31616

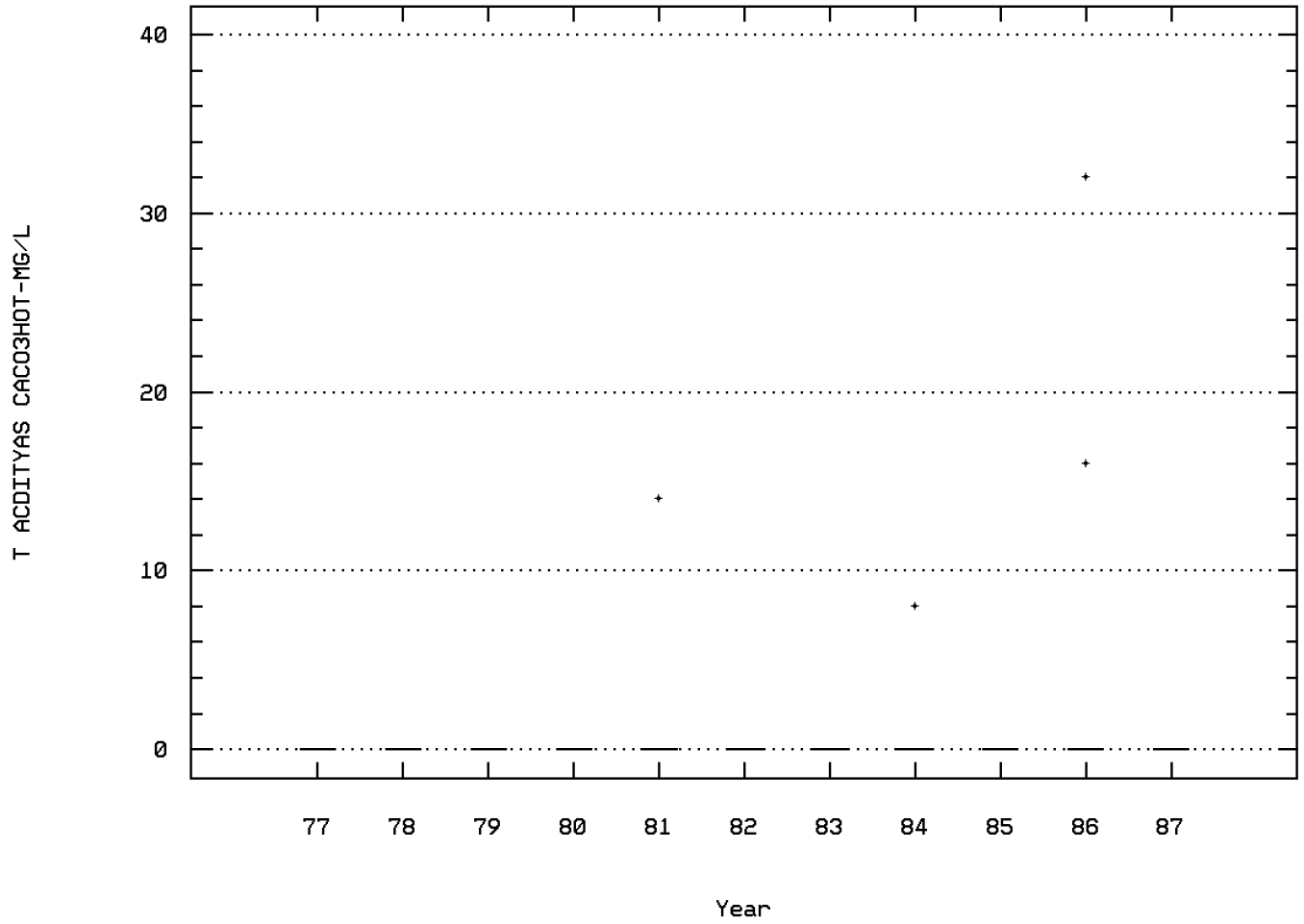
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAFO0434 Parameter Code: 70508

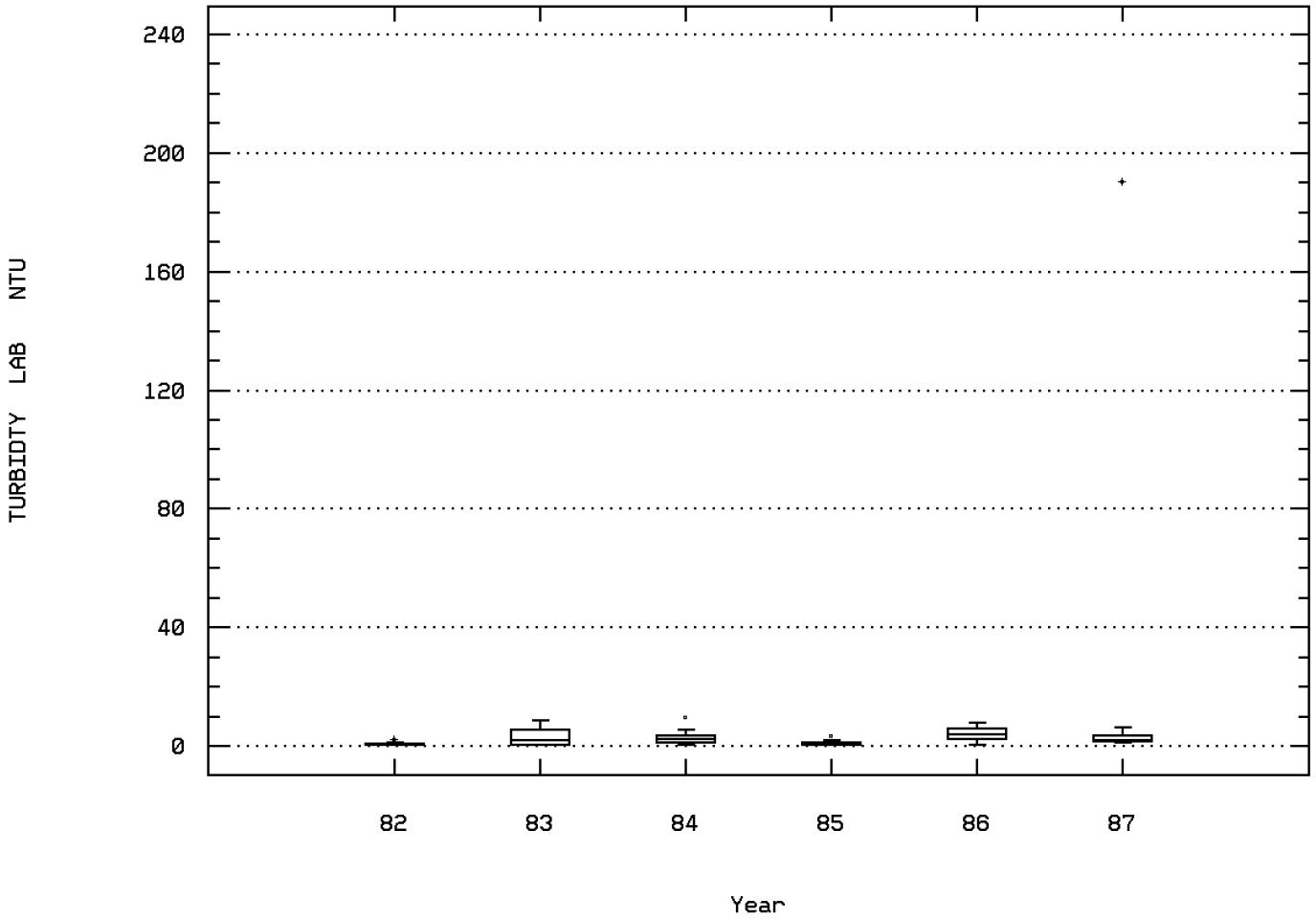
ACIDITY, TOTAL, HOT (MG/L AS CACO3)



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Station: VAF00434 Parameter Code: 82079

TURBIDITY,LAB NEPHELOMETRIC TURBIDITY U



FRENCH CRK-.25MI UPSTRM FR WILSON CORNR

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/72-12/10/87	26	9.	9.923	20.	0.	33.154	5.758	2.7	5.375	16.125	18.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	35	32.	42.714	141.	12.	947.034	30.774	14.6	20.	68.	74.8
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	39	4.42	4.398	5.11	2.38	0.177	0.421	4.11	4.19	4.68	4.75
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/73-12/10/87	17	100.	96.529	140.	6.	1031.64	32.119	57.2	77.5	120.	132.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	42	145.	146.	180.	100.	219.366	14.811	130.	139.5	151.25	167.
00300	OXYGEN, DISSOLVED MG/L	11/29/72-12/10/87	22	11.1	10.927	14.8	7.8	3.744	1.935	8.01	9.475	12.025	14.15
00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	24	0.55	0.675	2.	0.1	0.316	0.562	0.1	0.2	1.1	1.55
00400	PH (STANDARD UNITS)	11/29/72-12/10/87	22	7.65	7.727	8.6	7.	0.227	0.476	7.03	7.375	8.1	8.41
00400	CONVERTED PH (STANDARD UNITS)	11/29/72-12/10/87	22	7.647	7.507	8.6	7.	0.278	0.527	7.03	7.375	8.1	8.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	22	0.023	0.031	0.1	0.003	0.001	0.03	0.004	0.008	0.042	0.094
00403	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	43	7.2	7.165	8.4	6.	0.314	0.56	6.32	6.8	7.5	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	43	7.2	6.817	8.4	6.	0.438	0.662	6.32	6.8	7.5	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	43	0.063	0.152	1.	0.004	0.052	0.229	0.011	0.032	0.158	0.505
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	42	38.	40.929	104.	28.	140.117	11.837	30.6	34.	46.	48.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	38	119.	120.421	182.	72.	582.737	24.14	93.6	102.	141.	152.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	42	0.03	0.041	0.18	0.	0.001	0.034	0.01	0.01	0.06	0.08
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	42	0.004	0.008	0.06	0.002	0.	0.01	0.002	0.004	0.01	0.021
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	42	1.39	1.459	2.85	0.36	0.297	0.545	0.818	1.115	1.8	2.152
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	42	0.04	0.045	0.1	0.03	0.	0.015	0.03	0.03	0.05	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	41	50.	50.537	75.	30.	74.305	8.62	42.	45.	54.	66.4
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	37	14.	14.4	33.8	1.6	18.723	4.327	11.96	12.85	15.2	16.82
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	37	4.5	4.484	8.3	0.5	1.861	1.364	3.2	4.2	4.9	5.7
00940	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	42	10.	10.286	15.	5.	3.087	1.757	8.	9.	11.	12.7
00945	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	42	15.	17.595	70.	5.	113.954	10.675	9.3	10.	20.	30.4
01045	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	42	180.	375.952	4930.	50.	574780.778	758.143	82.	145.	282.5	733.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	36	180.	670.069	10000.	10.	2907664.459	1705.188	57.	80.	340.	2000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	36	2.253	2.296	4.	1.	0.389	0.623	1.754	1.903	2.529	3.301
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			197.661								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	37	0.	1.297	32.	0.	33.826	5.816	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/72-12/10/87	13	3.	4.538	13.	0.	21.936	4.684	0.	0.5	9.5	12.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	24	117.5	116.917	295.	13.	4741.123	68.856	36.5	56.	162.75	218.5
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	27	5.02	4.996	5.68	4.41	0.106	0.326	4.494	4.79	5.23	5.436
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/73-12/10/87	13	80.	79.231	100.	55.	166.026	12.885	59.	70.	90.	98.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	27	130.	130.481	170.	110.	178.182	13.348	117.2	120.	140.	146.
00300	OXYGEN, DISSOLVED MG/L	11/29/72-12/10/87	11	12.8	12.591	14.6	9.2	2.551	1.597	9.62	11.5	14.	14.52
00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	16	0.75	0.981	2.5	0.1	0.494	0.703	0.17	0.5	1.5	2.15
00400	PH (STANDARD UNITS)	11/29/72-12/10/87	10	7.3	7.304	8.	6.8	0.115	0.34	6.82	7.03	7.525	7.96
00400	CONVERTED PH (STANDARD UNITS)	11/29/72-12/10/87	10	7.3	7.201	8.	6.8	0.127	0.357	6.82	7.03	7.525	7.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	10	0.05	0.063	0.158	0.01	0.002	0.043	0.012	0.03	0.093	0.153
00403	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	30	6.65	6.707	7.8	6.	0.217	0.466	6.11	6.375	6.925	7.49
00403	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	30	6.647	6.509	7.8	6.	0.258	0.508	6.11	6.375	6.925	7.49
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	30	0.225	0.31	1.	0.016	0.077	0.278	0.032	0.119	0.424	0.778
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	27	28.	25.556	36.	1.	44.333	6.658	19.4	22.	30.	32.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	28	104.	418.536	7902.	68.	2184460.184	1477.992	86.1	90.	125.5	243.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	28	0.04	0.066	0.26	0.005	0.005	0.071	0.01	0.01	0.098	0.202
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	28	0.007	0.014	0.08	0.002	0.	0.017	0.004	0.006	0.014	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	27	1.8	1.843	2.85	1.36	0.115	0.339	1.52	1.61	1.91	2.438
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	28	0.05	0.067	0.39	0.03	0.005	0.067	0.03	0.04	0.068	0.102
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	28	42.5	41.214	57.	10.	69.138	8.315	31.8	38.5	45.75	49.1
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	25	11.	11.216	15.2	8.1	2.861	1.691	8.98	9.9	12.25	13.48
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	25	4.1	3.956	6.3	0.	1.467	1.211	2.72	3.5	4.3	5.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	28	10.	10.464	17.	7.	5.591	2.365	7.9	9.	11.75	13.3
00945	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	28	15.	17.786	37.	5.	72.989	8.543	7.7	12.	25.	33.1
01045	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	28	230.	712.5	12300.	20.	5197671.296	2279.84	113.	162.5	360.	794.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	24	77.5	278.167	3700.	1.	558079.254	747.047	12.5	21.25	175.	585.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	24	1.889	1.844	3.568	0.	0.518	0.72	1.097	1.325	2.242	2.766
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			69.851								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	25	0.	0.88	14.	0.	10.027	3.166	0.	0.	0.	3.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/72-12/10/87	32	19.75	19.525	27.	11.	21.429	4.629	12.3	16.625	23.	26.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-12/10/87	36	33.5	47.	141.	11.	1040.4	32.255	19.7	24.25	66.5	103.2
00065	STAGE, STREAM (FEET)	10/15/75-12/10/87	43	4.5	5.45	44.1	4.08	36.489	6.041	4.194	4.31	4.77	4.976
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/73-12/10/87	19	120.	117.105	145.	90.	264.766	16.272	90.	110.	130.	145.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/29/72-12/10/87	47	135.	149.66	900.	110.	12603.838	112.267	120.	130.	140.	146.8
00300	OXYGEN, DISSOLVED MG/L	11/29/72-12/10/87	27	9.5	9.419	12.2	6.9	0.915	0.956	8.46	8.7	9.9	10.42
00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/80-12/10/87	30	1.	1.	3.6	0.1	0.575	0.758	0.11	0.4	1.2	1.96
00400	PH (STANDARD UNITS)	11/29/72-12/10/87	30	7.775	7.954	9.8	7.3	0.311	0.558	7.4	7.5	8.415	8.5
00400	CONVERTED PH (STANDARD UNITS)	11/29/72-12/10/87	30	7.774	7.73	9.8	7.3	0.363	0.602	7.4	7.5	8.415	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	30	0.017	0.019	0.05	0.	0.	0.015	0.003	0.004	0.032	0.04
00403	PH, LAB, STANDARD UNITS SU	11/29/72-12/10/87	52	7.1	7.169	8.5	6.	0.422	0.649	6.43	6.6	7.7	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	11/29/72-12/10/87	52	7.1	6.813	8.5	6.	0.551	0.742	6.43	6.6	7.7	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/29/72-12/10/87	52	0.079	0.154	1.	0.003	0.034	0.184	0.006	0.02	0.251	0.374
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	47	36.	38.17	98.	26.	112.188	10.592	28.8	32.	42.	44.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/02/75-12/10/87	41	114.	112.756	272.	1.	1549.489	39.364	68.4	102.	128.	139.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/29/72-12/10/87	47	0.03	0.042	0.16	0.005	0.001	0.034	0.01	0.01	0.06	0.092
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	47	0.01	0.018	0.2	0.002	0.001	0.03	0.004	0.008	0.02	0.034
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/29/72-12/10/87	47	1.39	1.392	3.16	0.57	0.178	0.422	0.886	1.12	1.58	1.852
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/29/72-12/10/87	47	0.05	0.073	0.65	0.02	0.01	0.099	0.03	0.04	0.07	0.102
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/29/72-12/10/87	47	46.	45.277	64.	24.	43.378	6.586	37.8	42.	49.	51.2
00916	CALCIUM, TOTAL (MG/L AS CA)	11/02/77-12/10/87	36	13.35	15.686	120.	6.1	326.01	18.056	9.48	10.95	14.275	16.43
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/02/77-12/10/87	36	4.25	5.024	40.	0.	37.303	6.108	3.05	3.9	4.575	4.85
00940	CHLORIDE,TOTAL IN WATER MG/L	11/29/72-12/10/87	47	8.	9.064	23.	7.	5.713	2.39	7.8	8.	10.	11.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/29/72-12/10/87	47	11.	13.043	36.	4.	60.944	7.807	5.	7.	15.	28.2
01045	IRON, TOTAL (UG/L AS FE)	11/29/72-12/10/87	47	230.	282.553	800.	50.	28802.035	169.712	108.	160.	380.	514.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	40	255.	633.	5000.	25.	1271197.179	1127.474	61.5	160.	450.	1750.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/75-12/10/87	40	2.406	2.461	3.699	1.398	0.253	0.503	1.788	2.204	2.653	3.241
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			288.803								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/02/77-12/10/87	36	0.	0.389	14.	0.	5.444	2.333	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0435

NPS Station ID: VAFO0435 | LAT/LON: 40.148948/ -75.604531 | Agency: 11NPSWRD | Date Created: 09/25/99
Location: PUGHTOWN ROAD AT WILSON'S CORNER | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_CHS_PUG
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF VALLEY FORGE NATIONAL HISTORICAL PARK. THE SAMPLE SITE IS AT FRENCH CREEK AT PUGHTOWN ROAD AT WILSON'S CORNER. DATA ARE FROM A SERIES OF FRENCH CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 (TEL. 610-783-1000). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80526-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/94-10/06/94	1	164.	164.	164.	164.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/06/94-10/06/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/94-10/06/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/94-10/06/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/94-10/06/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/94-10/06/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/06/94-10/06/94	1	1.06	1.06	1.06	1.06	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/94-10/06/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/06/94-10/06/94	1	4250.	4250.	4250.	4250.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/06/94-10/06/94	1	125.	125.	125.	125.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/06/94-10/06/94	1	55.	55.	55.	55.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0435

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0436

NPS Station ID: VAFO0436 LAT/LON: 40.113615/ -75.605004 Agency: 112WRD Date Created: / /
Location: PICKERING CREEK TRIB NR KIMBERTON, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472185
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203036402.33 RF3 Mile Point: 3.51 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0436

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-04/14/68	2	143.5	143.5	153.	134.	180.5	13.435	**	**	**	**
00400	PH (STANDARD UNITS)	02/04/68-02/04/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-02/04/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-02/04/68	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-02/04/68	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-02/04/68	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/04/68-02/04/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-04/14/68	2	0.04	0.04	0.06	0.02	0.001	0.028	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-04/14/68	2	61.5	61.5	66.	57.	40.5	6.364	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-02/04/68	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-04/14/68	2	17.	17.	18.	16.	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-04/14/68	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/04/68-02/04/68	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-04/14/68	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-02/04/68	1	22.	22.	22.	22.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-04/14/68	1	89.	89.	89.	89.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-04/14/68	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-04/14/68	2	4.85	4.85	5.4	4.3	0.605	0.778	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0436

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0437

NPS Station ID: VAFO0437
LAT/LON: 40.087226/ -75.612504
Agency: 112WRD
Date Created: / /
Location: PINE CREEK AT CHESTER SPRINGS, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472183
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203005000.00
RF3 Mile Point: 5.60
Distance from RF3: 0.26
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0437

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/67-07/15/68	7	13.	11.143	19.	2.	62.476	7.904	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	10/19/67-01/18/68	3	4.	4.333	6.	3.	2.333	1.528	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-07/15/68	5	154.	179.6	257.	151.	2031.3	45.07	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/68-07/15/68	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	02/04/68-07/15/68	4	7.3	7.25	7.4	7.	0.037	0.191	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-07/15/68	4	7.289	7.217	7.4	7.	0.038	0.195	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-07/15/68	4	0.051	0.061	0.1	0.04	0.001	0.028	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-07/15/68	4	31.	30.	36.	22.	34.667	5.888	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-07/15/68	4	37.5	36.5	44.	27.	51.	7.141	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/04/68-02/04/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-07/15/68	5	0.1	0.192	0.42	0.	0.043	0.207	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-07/15/68	5	55.	60.8	89.	52.	250.2	15.818	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-07/15/68	4	28.	32.25	53.	20.	222.25	14.908	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-07/15/68	5	13.	14.	20.	12.	11.5	3.391	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-07/15/68	5	5.5	6.28	9.5	5.4	3.242	1.801	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/04/68-02/04/68	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-07/15/68	5	20.	19.2	26.	10.	35.2	5.933	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-02/04/68	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/68-07/15/68	3	15.	15.333	16.	15.	0.333	0.577	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-07/15/68	4	110.5	128.	184.	107.	1396.667	37.372	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-07/15/68	4	0.15	0.175	0.25	0.15	0.003	0.05	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-07/15/68	5	4.6	8.02	21.	3.7	53.862	7.339	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/19/67-01/18/68	3	5.	4.667	7.	2.	6.333	2.517	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/19/67-01/18/68	3	0.07	0.057	0.08	0.02	0.001	0.032	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0437

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00				1	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0437

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00				1	0	0.00	4	0	0.00			
		Drinking Water	250.	5	0	0.00				1	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00				1	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0438

NPS Station ID: VAFO0438 LAT/LON: 40.092087/ -75.615031 Agency: 11NPSWRD Date Created: 09/25/99
Location: YELLOW SPRINGS RD BRIDGE OVER PINE CREEK FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CHS_PINE
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA-CHESTER CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK AT PINE CREEK AT THE YELLOW SPRINGS ROAD BRIDGE; 0.25 MILE SOUTH OF ROUTE 113. DATA ARE FROM A SERIES OF PICKERING CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN DIRECTED BY NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE ANALYZED BY THE CHESTER COUNTY HEALTH DEPARTMENT. DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0438

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/07/93-10/07/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/93-10/07/93	1	10.9	10.9	10.9	10.9	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/07/93-10/07/93	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/93-10/07/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/07/93-10/07/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/07/93-10/07/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/93-10/07/93	1	281.	281.	281.	281.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/07/93-10/07/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/07/93-10/07/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/07/93-10/07/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/93-10/07/93	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/93-10/07/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/07/93-10/07/93	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/07/93-10/07/93	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/07/93-10/07/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/07/93-10/07/93	1	605.	605.	605.	605.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/07/93-10/07/93	1	110.	110.	110.	110.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/07/93-10/07/93	1	130.	130.	130.	130.	0.	0.	**	**	**	**
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/07/93-10/07/93	1	29.	29.	29.	29.	0.	0.	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/07/93-10/07/93	1	2.71	2.71	2.71	2.71	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0438

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0439

NPS Station ID: VAFO0439 LAT/LON: 40.095559/ -75.618615 Agency: 112WRD Date Created: / /
Location: PICKERING CREEK AT CHESTER SPRINGS, PA FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472180
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203035900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0439

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/15/68-09/20/68	2	13.5	13.5	15.	12.	4.5	2.121	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/68-09/20/68	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/15/68-09/20/68	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/68-09/20/68	2	147.5	147.5	148.	147.	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/68-09/20/68	2	7.5	7.5	7.7	7.3	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/68-09/20/68	2	7.455	7.455	7.7	7.3	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/68-09/20/68	2	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/15/68-09/20/68	2	45.5	45.5	47.	44.	4.5	2.121	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/15/68-09/20/68	2	55.5	55.5	57.	54.	4.5	2.121	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/15/68-09/20/68	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/68-09/20/68	2	55.	55.	58.	52.	18.	4.243	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/15/68-09/20/68	2	9.	9.	11.	7.	8.	2.828	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/15/68-09/20/68	2	15.5	15.5	17.	14.	4.5	2.121	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/15/68-09/20/68	2	3.8	3.8	4.	3.6	0.08	0.283	**	**	**	**
00931	SODIUM ADSORPTION RATIO	05/15/68-09/20/68	2	8.65	8.65	9.9	7.4	3.125	1.768	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/68-09/20/68	2	7.	7.	7.	7.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/15/68-09/20/68	2	15.	15.	15.	15.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/15/68-09/20/68	2	4.1	4.1	4.8	3.4	0.98	0.99	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0439

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0440

NPS Station ID: VAFO0440 LAT/LON: 40.147531/ -75.621003 Agency: 11NPSWRD Date Created: 05/02/98
Location: BIRCH RUN AT HOLLOW AND FRENCH CK ROADS FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BOYER_07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON BIRCH RUN AT THE INTERSECTION OF HOLLOW AND FRENCH CREEK ROADS; RIVER MILE 0.08. THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE NPS AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION TO ASSESS NON-POINT SOURCE POLLUTION IN FRENCH CREEK AND TO DOCUMENT OVERALL WATER QUALITY IN THE BASIN. DATA WERE PUBLISHED IN THE REPORT "AQUATIC BIOLOGY INVESTIGATION; FRENCH CREEK/CHESTER COUNTY; NPS SURVEY" BY MICHAEL R. BOYER (1993). THE REPORT STATED; "CHEMICAL PARAMETERS INDICATED A HEALTHY COLDWATER ECOSYSTEM. COLIFORM LEVELS WERE SLIGHTLY ELEVATED; PROBABLY FROM AGRICULTURAL SOURCES..OVERALL STREAM CONDITIONS WERE SUPPORTIVE OF ITS HQ-TSF DESIGNATION." DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0440

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	1	20.8	20.8	20.8	20.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	1	118.	118.	118.	118.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	1	8.26	8.26	8.26	8.26	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/09/91-07/09/91	1	8.26	8.26	8.26	8.26	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/91-07/09/91	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	1.07	1.07	1.07	1.07	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	1	12.1	12.1	12.1	12.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0440

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	1	631.	631.	631.	631.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/09/91-07/09/91	1	3.114	3.114	3.114	3.114	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1300.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	120.	120.	120.	120.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	2.079	2.079	2.079	2.079	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			120.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/09/91-07/09/91	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			240.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0440

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0441

NPS Station ID: VAFO0441 LAT/LON: 40.147504/ -75.621393 Agency: 11NPSWRD Date Created: 04/25/98
Location: FRENCH CREEK AT HOLLOW/SHEEDER ROAD CROSSING FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BWQM_4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK AT THE HOLLOW/SHEEDER ROAD CROSSING; RIVER MILE 10.4. THE CREEK WAS SAMPLED AS PART OF A NUTRIENT-RELATED USE IMPAIRMENT SURVEY OF FRENCH CREEK BY THE BUREAU OF WATER QUALITY MANAGEMENT. THE STUDY WAS CONDUCTED TO DETERMINE WHETHER FRENCH CREEK WAS NITROGEN- OR PHOSPHORUS-LIMITED. THE FINAL CONCLUSION OF THE REPORT WAS THAT FRENCH CREEK WAS CO-LIMITED BY NITROGEN AND PHOSPHORUS. DATA WERE PUBLISHED IN THE REPORT "FRENCH CREEK; NUTRIENT RELATED/ USE IMPAIRMENT SURVEY" BY CYNTHIA L. STEELE (1988). FOR MORE INFORMATION CONTACT HOPEWELL FURNACE NATIONAL HISTORIC SITE'S CHIEF OF RESOURCES AT 2 MARK BIRD LANE; ELVERSON PA 19520 (TEL. 610-582-8773). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; FORT COLLINS CO 80526 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/87-08/06/87	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/87-08/06/87	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/87-08/06/87	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/06/87-08/06/87	1	80.8	80.8	80.8	80.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/06/87-08/06/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/06/87-08/06/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/87-08/06/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/06/87-08/06/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0441

				Total	Exceed	Prop.	9/01-1/14			1/15-4/10			4/11-8/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	1	1.00							1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0442

NPS Station ID: VAFO0442 LAT/LON: 40.071281/ -75.622033 Agency: 11NPSWRD Date Created: 04/17/99
Location: PINE CRK AT RT 401 JUST BEFORE LOWER PINE CRK RD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): VAFO_CCHD_409
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MALVERN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 409 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT PINE CREEK AT ROUTE 401 JUST BEFORE LOWER PINE CREEK ROAD ON THE LEFT. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/79-10/09/97	34	13.05	12.029	23.	-1.	40.212	6.341	4.	6.725	17.25	19.05
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/16/79-10/09/97	28	15.5	14.336	28.	-8.8	87.459	9.352	1.85	-4.1	22.25	25.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	35	265.	263.629	395.	95.	3588.005	59.9	180.	238.	310.	328.8
00300	OXYGEN, DISSOLVED MG/L	04/16/79-10/09/97	33	10.3	10.73	16.7	5.9	6.079	2.466	7.7	8.9	12.2	14.44
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	35 ##	2.5	4.774	32.5	2.5	45.657	6.757	2.5	2.5	2.5	12.
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	35	7.3	7.309	8.1	6.5	0.113	0.336	6.86	7.1	7.5	7.64
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	35	7.3	7.175	8.1	6.5	0.131	0.363	6.86	7.1	7.5	7.64
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	35	0.05	0.067	0.316	0.008	0.004	0.064	0.023	0.032	0.079	0.139
00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	15	7.5	7.448	8.37	6.58	0.158	0.398	6.868	7.25	7.67	7.998
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/08/90-10/09/97	15	7.5	7.273	8.37	6.58	0.191	0.437	6.868	7.25	7.67	7.998
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/90-10/09/97	15	0.032	0.053	0.263	0.004	0.004	0.062	0.012	0.021	0.056	0.157
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	35	58.	59.129	202.	9.5	795.593	28.206	40.2	50.	64.	70.
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	33	0.01	0.043	0.69	0.005	0.015	0.122	0.005	0.005	0.02	0.086
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	32 ##	0.005	0.008	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.017
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	35	0.1	0.17	1.15	0.005	0.048	0.219	0.005	0.02	0.2	0.396
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	35	1.68	1.847	4.77	0.9	0.641	0.8	1.126	1.32	2.18	2.904
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	34 ##	0.005	0.021	0.36	0.005	0.004	0.061	0.005	0.005	0.01	0.035
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	35	120.	123.2	173.	62.	510.812	22.601	98.8	107.	137.	156.8
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	34	20.625	28.402	116.	4.	752.047	27.423	10.06	13.45	29.55	70.5
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	34	2.5	3.277	16.	0.07	7.652	2.766	1.45	1.975	4.	6.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	35	42.	44.914	106.	12.	297.434	17.246	29.6	33.	52.	65.8
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	35	29.	30.486	88.	11.	161.139	12.694	22.	25.	31.	37.8
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	35	0.06	0.079	0.7	0.01	0.012	0.112	0.04	0.04	0.07	0.128
01027	CADMIUM, TOTAL (UG/L AS CD)	09/29/81-03/18/97	33 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	34	185.	497.353	4300.	60.	761262.478	872.504	60.	60.	450.	1550.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	34 ##	25.	81.176	900.	25.	25137.968	158.55	25.	25.	70.	200.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	34 ##	10.	12.647	100.	10.	238.235	15.435	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	04/16/79-06/09/88	10	3000.	13650.	93000.	800.	811831666.667	28492.66	880.	1600.	9000.	85800.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	04/16/79-06/09/88	10	3.475	3.636	4.968	2.903	0.363	0.603	2.933	3.204	3.855	4.904
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			4321.206								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	35	420.	5248.586	93000.	0.5	280906881.772	16760.277	26.	70.	1300.	15820.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	35	2.623	2.576	4.968	-0.301	1.112	1.055	1.407	1.845	3.114	4.199
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			376.927								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	35	320.	3551.143	75000.	10.	163635704.538	12792.017	10.	20.	910.	7760.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	35	2.505	2.39	4.875	1.	1.089	1.044	1.	1.301	2.959	3.87
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			245.684								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	34 ##	0.005	0.016	0.09	0.005	0.	0.019	0.005	0.005	0.02	0.04
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	34	2.5	7.294	107.	0.25	348.225	18.661	0.5	1.	5.	14.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	35	200.	205.457	320.	131.	1396.255	37.367	158.	182.	222.	245.8
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	20	1.	1.155	3.2	0.1	0.756	0.87	0.11	0.45	1.675	2.71

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0442

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	8	0	0.00	10	0	0.00	15	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	35	1	0.03	8	0	0.00	10	1	0.10	17	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	32	0	0.00	7	0	0.00	10	0	0.00	15	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
		Drinking Water	250.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	34	0	0.00	8	0	0.00	10	0	0.00	16	0	0.00			
		Drinking Water	5000.	34	0	0.00	8	0	0.00	10	0	0.00	16	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	10	9	0.90	1	1	1.00	2	2	1.00	7	6	0.86			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	35	23	0.66	8	5	0.63	10	3	0.30	17	15	0.88			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	9	260.	246.111	336.	95.	4774.361	69.097	95.	218.	295.	336.
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	8 ##	2.5	5.563	15.	2.5	22.531	4.747	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	8	7.35	7.25	7.7	6.6	0.157	0.396	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	8	7.325	7.083	7.7	6.6	0.189	0.435	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	8	0.047	0.083	0.251	0.02	0.007	0.082	**	**	**	**
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	8	66.	65.25	82.	56.	64.5	8.031	**	**	**	**
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	7 ##	0.005	0.016	0.08	0.005	0.001	0.028	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	7 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	8	0.075	0.078	0.2	0.005	0.006	0.074	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	8	1.525	1.77	3.8	0.9	0.865	0.93	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	8 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	8	126.5	129.	161.	100.	389.714	19.741	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	8	12.	15.863	30.	4.	84.837	9.211	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	8	2.65	3.063	8.	1.4	4.263	2.065	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	8	40.	40.375	52.	30.	65.411	8.088	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	8	25.5	26.75	34.	22.	16.5	4.062	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	8	0.05	0.05	0.07	0.02	0.	0.016	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/29/81-03/18/97	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	8	270.	400.	1300.	60.	162742.857	403.414	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	8 ##	25.	78.125	200.	25.	6328.125	79.55	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	8 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	8	650.	15777.5	93000.	50.	1023003164.286	31984.421	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	8	2.784	3.06	4.968	1.699	1.557	1.248	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1148.254								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	8	535.	2050.	13500.	40.	21502114.286	4637.037	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	8	2.724	2.625	4.13	1.602	0.606	0.778	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			421.578								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	8 ##	0.013	0.014	0.03	0.005	0.	0.01	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	8	2.	1.75	3.	0.5	1.	1.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	8	210.5	216.25	320.	158.	2386.5	48.852	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	9	250.	248.556	395.	133.	6055.278	77.816	133.	186.5	299.	395.
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	10 ##	2.5	4.95	27.	2.5	60.025	7.748	2.5	2.5	2.5	24.55
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	10	7.15	7.16	7.6	6.5	0.094	0.306	6.54	7.05	7.4	7.58
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	10	7.147	7.047	7.6	6.5	0.108	0.329	6.54	7.05	7.4	7.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	10	0.071	0.09	0.316	0.025	0.007	0.085	0.027	0.04	0.091	0.297
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	10	53.	64.85	202.	24.5	2435.336	49.349	26.35	44.5	59.125	188.05
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	10	0.015	0.033	0.19	0.005	0.003	0.056	0.005	0.005	0.025	0.175
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	10 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.019
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	10	0.085	0.12	0.42	0.005	0.017	0.129	0.005	0.005	0.19	0.397
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	10	1.77	2.082	4.77	1.32	0.978	0.989	1.328	1.625	2.195	4.517
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	10 ##	0.005	0.014	0.06	0.005	0.	0.02	0.005	0.005	0.014	0.058
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	10	121.	118.6	158.	62.	681.378	26.103	66.3	105.75	137.25	156.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	10	32.7	35.302	100.	10.12	615.968	24.819	11.108	20.	39.125	94.1
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	10	2.45	2.726	4.	0.8	1.309	1.144	0.9	1.875	4.	4.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	10	58.	60.2	106.	40.	411.511	20.286	40.	43.75	68.	103.1
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	10	31.5	36.6	88.	23.	351.6	18.751	23.3	28.25	36.	83.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	10	0.045	0.051	0.08	0.04	0.	0.014	0.04	0.04	0.063	0.079
01027	CADMIUM, TOTAL (UG/L AS CD)	09/29/81-03/18/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	10 ##	80.	304.	1800.	60.	288048.889	536.702	60.	60.	312.5	1655.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	10 ##	25.	115.	900.	25.	76138.889	275.933	25.	25.	31.25	815.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	10	55.	150.05	500.	0.5	37205.581	192.887	1.45	17.5	332.5	496.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	10	1.724	1.665	2.699	-0.301	0.808	0.899	-0.171	1.226	2.512	2.695
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			46.254								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	10	20.	1113.	10700.	10.	11351423.333	3369.187	10.	10.	130.	9652.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	10	1.301	1.645	4.029	1.	0.914	0.956	1.	1.	2.086	3.861
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			44.167								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	10 ##	0.013	0.021	0.06	0.005	0.	0.02	0.005	0.005	0.035	0.059
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	10	3.5	5.775	33.	0.25	94.645	9.729	0.275	0.875	5.	30.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	10	204.	209.8	294.	131.	2299.511	47.953	133.7	175.25	245.5	289.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/16/79-10/09/97	17	284.	280.882	345.	180.	1592.985	39.912	226.4	255.	314.5	328.2
00335	COD, .025N K2CR2O7 MG/L	04/16/79-03/18/97	17 ##	2.5	4.3	32.5	2.5	52.83	7.268	2.5	2.5	2.5	8.98
00403	PH, LAB, STANDARD UNITS SU	04/16/79-03/18/97	17	7.4	7.424	8.1	6.9	0.089	0.299	7.06	7.25	7.5	8.02
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/79-03/18/97	17	7.4	7.339	8.1	6.9	0.097	0.311	7.06	7.25	7.5	8.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/79-03/18/97	17	0.04	0.046	0.126	0.008	0.001	0.029	0.01	0.032	0.057	0.089
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	54.	52.882	74.5	9.5	211.892	14.556	30.7	46.25	62.	66.9
00612	AMMONIA, UNIONZED (MG/L AS N)	06/23/81-03/18/97	16	0.01	0.061	0.69	0.005	0.029	0.169	0.005	0.005	0.028	0.27
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/04/82-03/18/97	15 ##	0.005	0.01	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.028
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	0.11	0.244	1.15	0.005	0.079	0.281	0.005	0.075	0.345	0.67
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/16/79-03/18/97	17	1.65	1.745	3.45	0.96	0.384	0.62	1.064	1.25	2.135	2.722
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/23/81-03/18/97	16 ##	0.005	0.032	0.36	0.005	0.008	0.088	0.005	0.005	0.02	0.129
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	118.	123.176	173.	91.	501.654	22.398	95.8	106.5	138.5	159.4
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/81-03/18/97	16	20.625	30.359	116.	6.	1125.644	33.551	10.9	15.25	22.	115.3
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/81-03/18/97	16	2.35	3.729	16.	0.07	13.614	3.69	1.071	1.85	4.	9.56
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/79-03/18/97	17	40.	38.059	67.	12.	165.684	12.872	16.	31.5	44.5	55.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/16/79-03/18/97	17	30.	28.647	61.	11.	103.493	10.173	16.6	23.	31.	40.2
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	0.06	0.11	0.7	0.01	0.024	0.156	0.034	0.055	0.105	0.26
01027	CADMIUM, TOTAL (UG/L AS CD)	09/29/81-03/18/97	15 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/23/81-03/18/97	16	180.	666.875	4300.	60.	1365369.583	1168.49	60.	100.	600.	3180.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/81-03/18/97	16 ##	25.	61.563	300.	25.	5489.063	74.088	25.	25.	90.	195.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/81-03/18/97	16 ##	10.	15.625	100.	10.	506.25	22.5	10.	10.	10.	37.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/16/79-03/18/97	17	630.	3292.941	36000.	50.	73602797.059	8579.207	66.	265.	1850.	12000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/16/79-03/18/97	17	2.799	2.885	4.556	1.699	0.491	0.701	1.816	2.423	3.266	3.934
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			766.551								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	17	520.	5691.765	75000.	10.	322222815.441	17950.566	10.	195.	3100.	19640.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/16/79-03/18/97	17	2.716	2.718	4.875	1.	1.047	1.023	1.	2.231	3.462	3.986
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			522.905								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	06/23/81-03/18/97	16 ##	0.005	0.015	0.09	0.005	0.	0.022	0.005	0.005	0.01	0.048
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	16	3.5	11.016	107.	0.25	676.137	26.003	0.425	1.25	8.75	42.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/16/79-03/18/97	17	198.	197.824	241.	158.	497.529	22.305	165.2	182.	215.	229.

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Station Inventory for Station: VAFO0443

NPS Station ID: VAFO0443 LAT/LON: 40.147226/ -75.623059 Agency: 11NPSWRD Date Created: 04/25/98
Location: BIRCH RUN CK AT SR 1033 AND 1028 INTERSECTION FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_PADEP_15BI
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PHOENIXVILLE PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON BIRCH RUN CREEK AT THE INTERSECTION OF HOLLOW ROAD (SR 1033) AND FRENCH CREEK ROAD (SR 1028). THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION/BUREAU OF WATERSHED CONSERVATION IN RESPONSE TO A PETITION BY THE GREEN VALLEYS ASSOCIATION FOR REDESIGNATION OF THE FRENCH CREEK-CHESTER COUNTY DRAINAGE BASIN TO EXCEPTIONAL VALUE WATERS STATUS. DATA WERE PUBLISHED IN THE REPORT "FRENCH CREEK; CHESTER COUNTY; SPECIAL PROTECTION EVALUATION REPORT; WATER QUALITY STANDARDS REVIEW; SEGMENT: BASIN - FROM THE HEADWATERS TO THE JUNCTION OF THE WEST VINCENT; EAST VINCENT AND EAST PIKELAND TOWNSHIP BORDERS" BY THE BUREAU OF WATERSHED CONSERVATION (1996). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0443

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/95-05/26/95	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/26/95-05/26/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/26/95-05/26/95	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/26/95-05/26/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/95-05/26/95	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/95-05/26/95	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/95-05/26/95	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/95-05/26/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/95-05/26/95	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/95-05/26/95	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/95-05/26/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/95-05/26/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/26/95-05/26/95	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/26/95-05/26/95	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/26/95-05/26/95	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/95-05/26/95	1	9.	9.	9.	9.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0443

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	05/26/95-05/26/95	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/26/95-05/26/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/26/95-05/26/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/26/95-05/26/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/26/95-05/26/95	1	298.	298.	298.	298.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/26/95-05/26/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/26/95-05/26/95	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/26/95-05/26/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/26/95-05/26/95	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/95-05/26/95	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/95-05/26/95	1	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			80.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/26/95-05/26/95	1	132.	132.	132.	132.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0443

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0444

NPS Station ID: VAFO0444 | LAT/LON: 40.091670/ -75.625559 | Agency: 11NPSWRD | Date Created: 04/17/99
Location: STATION 393 PICKERING CK AT HORSESHOE TRAIL RD | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): VAFO_CCHD_393
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DOWNINGTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. STATION NUMBER 393 IS LOCATED OUTSIDE VALLEY FORGE NATIONAL HISTORICAL PARK. THE SITE IS AT THE INTERSECTION OF PICKERING CREEK AND HORSESHOE TRAIL ROAD. DATA ARE FROM THE CHESTER COUNTY HEALTH DEPARTMENT (CCHD). THE CCHD PERFORMS REGULAR WATER QUALITY MONITORING AT THIS SITE. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; VALLEY FORGE NATIONAL HISTORICAL PARK; P.O. BOX 953; VALLEY FORGE PA 19482-0953 TEL(610)783-1000. DATA WERE PROCESSED AND UPLOADED TO STORET BY ARIA BRISSETTE; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 TEL(970)225-3516.

Parameter Inventory for Station: VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	42	12.5	11.802	19.5	0.3	28.425	5.331	3.3	7.675	15.625	19.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	32	16.5	14.497	26.5	-7.7	74.073	8.607	3.6	11.	21.875	24.55
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	42	158.5	159.024	260.	90.	1033.292	32.145	116.6	139.5	180.	200.
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	35	10.1	10.431	17.5	4.	6.278	2.506	7.38	8.8	12.	13.28
00335	COD, .025N K2CR2O7 MG/L	01/11/70-03/18/97	43 ##	2.5	9.126	119.	0.8	401.932	20.048	2.5	2.5	8.	19.6
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	43	7.3	7.274	8.3	6.1	0.186	0.431	6.6	7.1	7.5	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	43	7.3	7.04	8.3	6.1	0.242	0.492	6.6	7.1	7.5	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	43	0.05	0.091	0.794	0.005	0.018	0.134	0.016	0.032	0.079	0.251
00406	PH, FIELD, STANDARD UNITS SU	08/08/90-10/09/97	14	7.45	7.457	8.45	6.5	0.213	0.461	6.8	7.173	7.77	8.175
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/08/90-10/09/97	14	7.447	7.231	8.45	6.5	0.268	0.518	6.8	7.173	7.77	8.175
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/90-10/09/97	14	0.036	0.059	0.316	0.004	0.006	0.078	0.008	0.017	0.067	0.198
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	35	43.	42.323	70.5	7.5	162.807	12.76	24.6	36.	50.	55.8
00612	AMMONIA, UNIONZED (MG/L AS N)	01/11/70-03/18/97	39 ##	0.005	0.04	0.25	0.005	0.004	0.065	0.005	0.005	0.04	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/11/70-03/18/97	37 ##	0.005	0.009	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	35	0.14	0.214	0.97	0.005	0.054	0.232	0.005	0.005	0.3	0.594
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/70-03/18/97	48	2.05	2.589	11.35	1.2	4.538	2.13	1.393	1.535	2.5	3.34
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/11/70-03/18/97	47 ##	0.005	0.022	0.169	0.005	0.001	0.031	0.005	0.005	0.02	0.064
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	35	76.	75.114	110.	2.	358.163	18.925	55.6	67.	86.	96.4
00929	SODIUM, TOTAL (MG/L AS NA)	01/11/70-03/18/97	39	9.	12.755	100.	0.2	231.847	15.227	6.	6.9	14.	16.2
00937	POTASSIUM, TOTAL MG/L AS K)	01/11/70-03/18/97	40	2.	3.083	14.	0.07	6.934	2.633	1.115	1.6	4.	6.32
00940	CHLORIDE,TOTAL IN WATER MG/L	01/11/70-03/18/97	42	14.5	15.405	30.	5.	34.881	5.906	9.	11.75	19.	25.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/11/70-03/18/97	42	18.5	21.81	89.	6.	174.938	13.226	13.	15.75	23.	33.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	35	0.08	0.094	0.78	0.03	0.015	0.122	0.04	0.06	0.09	0.11
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	36 ##	5.	29.722	700.	5.	14258.492	119.409	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	01/11/70-03/18/97	40	265.	351.75	2400.	60.	172230.192	415.006	60.	60.	400.	700.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/11/70-03/18/97	40 ##	25.	64.25	700.	25.	14737.885	121.4	25.	25.	25.	145.
01092	ZINC, TOTAL (UG/L AS ZN)	01/11/70-03/18/97	40 ##	10.	13.	100.	10.	221.538	14.884	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/11/70-06/09/88	18	5800.	79108.444	1000000.	2.57	636886253.438	240076.834	34.4	1725.	15875.	370000.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/11/70-06/09/88	18	3.759	3.571	6.	0.301	1.747	1.322	1.452	3.186	4.159	5.529
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			3720.085								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	39	520.	3903.026	59000.	10.	127389804.394	11286.709	50.	168.	1440.	11600.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	39	2.716	2.737	4.771	1.	0.702	0.838	1.699	2.225	3.158	4.064
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			545.954								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	43	590.	5732.035	100000.	0.5	314658893.838	17738.627	11.2	70.	1430.	19600.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	43	2.771	2.54	5.	-0.301	1.244	1.116	1.046	1.845	3.155	4.231
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			346.398								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/11/70-03/18/97	47	0.02	0.07	0.4	0.005	0.012	0.11	0.005	0.005	0.05	0.292
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	34	3.	6.346	60.	0.25	130.038	11.403	0.5	1.	6.	15.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/70-03/18/97	48	120.	125.25	195.	95.	500.702	22.376	101.	110.25	134.75	146.9
80279	BOD, CARBONACEOUS,5 DAY, AND NH3-N,TOT,IN WTR,MG/L	05/12/87-03/18/97	20	1.1	1.22	3.2	0.1	0.679	0.824	0.11	0.8	1.675	2.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0444

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	35	1	0.03	9	0	0.00	10	0	0.00	16	1	0.06			
00403	PH, LAB	Fresh Chronic	9.	43	0	0.00	15	0	0.00	10	0	0.00	18	0	0.00			
		Other-Lo Lim.	6.5	43	3	0.07	15	3	0.20	10	0	0.00	18	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	14	0	0.00	5	0	0.00	4	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	14	1	0.07	5	0	0.00	4	1	0.25	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	11	0	0.00	10	0	0.00	16	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	48	1	0.02	18	1	0.06	11	0	0.00	19	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	12	0	0.00	11	0	0.00	19	0	0.00			
		Drinking Water	250.	42	0	0.00	12	0	0.00	11	0	0.00	19	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	42	0	0.00	12	0	0.00	11	0	0.00	19	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	35	0	0.00	8	0	0.00	10	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00	2	2	1.00									
		Drinking Water	5.	2 &	2	1.00	2	2	1.00									
01092	ZINC, TOTAL	Fresh Acute	120.	40	0	0.00	12	0	0.00	11	0	0.00	17	0	0.00			
		Drinking Water	5000.	40	0	0.00	12	0	0.00	11	0	0.00	17	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	18	14	0.78	6	5	0.83	3	1	0.33	9	8	0.89			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	39	29	0.74	11	10	0.91	10	5	0.50	18	14	0.78			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	15	12.5	13.007	18.5	6.	9.411	3.068	8.1	12.	15.5	17.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	9	15.	15.222	22.	3.	33.392	5.779	3.	12.6	20.25	22.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	16	157.	157.063	186.	125.	374.196	19.344	128.5	140.75	176.5	185.3
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	9	9.	8.944	12.	6.3	2.793	1.671	6.3	7.6	9.9	12.
00335	COD, .025N K2CR2O7 MG/L	01/11/70-03/18/97	13 ##	2.5	10.746	60.2	2.5	260.379	16.136	2.5	2.5	14.5	44.12
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	15	7.1	7.053	7.8	6.1	0.226	0.475	6.34	6.6	7.5	7.62
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	15	7.1	6.8	7.8	6.1	0.295	0.543	6.34	6.6	7.5	7.62
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	15	0.079	0.159	0.794	0.016	0.041	0.203	0.025	0.032	0.251	0.507
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	8	50.	52.	69.	44.	60.286	7.764	**	**	**	**
00612	AMMONIA, UNIONZED (MG/L AS N)	01/11/70-03/18/97	11 ##	0.005	0.037	0.24	0.005	0.006	0.076	0.005	0.005	0.01	0.216
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/11/70-03/18/97	11 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	8	0.135	0.209	0.63	0.09	0.031	0.177	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/70-03/18/97	18	1.605	2.587	11.35	1.2	6.689	2.586	1.317	1.443	2.335	7.705
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/11/70-03/18/97	18	0.01	0.035	0.169	0.005	0.002	0.043	0.005	0.005	0.061	0.091
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	8	83.	82.75	103.	67.	158.214	12.578	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/11/70-03/18/97	12	7.2	7.576	16.	0.2	17.071	4.132	1.34	5.633	8.	15.4
00937	POTASSIUM, TOTAL MG/L AS K)	01/11/70-03/18/97	12	2.2	2.836	10.	0.75	5.883	2.426	0.855	1.573	3.138	8.2
00940	CHLORIDE,TOTAL IN WATER MG/L	01/11/70-03/18/97	12	12.	13.75	30.	5.	41.477	6.44	6.2	10.25	15.5	27.3
00945	SULFATE, TOTAL (MG/L AS SO4)	01/11/70-03/18/97	12	17.	23.333	89.	9.	453.333	21.292	10.2	15.	22.25	71.
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	8	0.07	0.069	0.1	0.03	0.	0.021	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	10 ##	5.	94.	700.	5.	49093.333	221.57	5.	5.	53.75	650.
01045	IRON, TOTAL (UG/L AS FE)	01/11/70-03/18/97	12	250.	330.	1100.	60.	113709.091	337.208	60.	60.	615.	980.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/11/70-03/18/97	12 ##	25.	60.417	300.	25.	6529.356	80.804	25.	25.	81.25	240.
01092	ZINC, TOTAL (UG/L AS ZN)	01/11/70-03/18/97	12 ##	10.	12.5	40.	10.	75.	8.66	10.	10.	10.	31.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/11/70-06/09/88	6	19150.	62406.333	300000.	38.13746	519760.667	117245.553	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/11/70-06/09/88	6	4.211	3.889	5.477	1.58	1.785	1.336	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			7737.824								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	11	600.	3190.909	12300.	50.	21089069.091	4592.284	82.	390.	4900.	12160.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	11	2.778	2.999	4.09	1.699	0.566	0.752	1.824	2.591	3.69	4.085
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			996.61								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	13	960.	3046.192	27000.	0.5	52922571.814	7274.79	28.3	130.	1845.	17760.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	13	2.982	2.701	4.431	-0.301	1.271	1.127	0.557	2.113	3.264	4.095
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			502.677								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/11/70-03/18/97	18	0.035	0.133	0.4	0.005	0.022	0.149	0.005	0.009	0.293	0.373
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	8	2.	2.375	5.	0.5	3.339	1.827	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/70-03/18/97	18	119.5	126.889	195.	95.	758.928	27.549	100.4	107.5	138.5	187.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	10	4.25	4.96	15.2	0.3	18.029	4.246	0.37	1.9	6.625	14.38
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	8	2.	4.013	17.8	-7.7	60.476	7.777	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	8	121.5	144.375	260.	90.	3065.696	55.369	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	10	12.35	11.71	13.4	7.5	3.439	1.854	7.71	10.95	12.9	13.38
00335	COD, .025N K2CR2O7 MG/L	01/11/70-03/18/97	11 ##	2.5	4.809	13.	2.5	17.021	4.126	2.5	2.5	8.	12.78
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	10	7.2	7.14	7.4	6.6	0.069	0.263	6.62	6.95	7.325	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	10	7.2	7.056	7.4	6.6	0.077	0.278	6.62	6.95	7.325	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	10	0.063	0.088	0.251	0.04	0.005	0.068	0.04	0.048	0.115	0.242
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	10	35.	33.33	43.	17.3	82.045	9.058	17.37	29.25	40.75	43.
00612	AMMONIA, UNIONZED (MG/L AS N)	01/11/70-03/18/97	10 ##	0.013	0.033	0.13	0.005	0.002	0.043	0.005	0.005	0.053	0.126
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/11/70-03/18/97	10 ##	0.005	0.008	0.04	0.005	0.	0.011	0.005	0.005	0.005	0.037
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	10	0.14	0.189	0.78	0.005	0.056	0.236	0.005	0.005	0.3	0.732
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/70-03/18/97	11	2.5	3.093	9.75	1.84	4.981	2.232	1.872	2.08	2.71	8.372
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/11/70-03/18/97	11 ##	0.005	0.014	0.07	0.005	0.	0.02	0.005	0.005	0.01	0.062
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	10	72.5	71.5	91.	49.	194.056	13.93	49.7	57.5	83.75	90.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	01/11/70-03/18/97	11	14.	19.891	100.	6.	721.481	26.86	6.3	7.9	16.2	83.4
00937	POTASSIUM, TOTAL MG/L AS K)	01/11/70-03/18/97	11	2.	2.642	5.	0.9	2.079	1.442	0.98	1.6	4.2	4.872
00940	CHLORIDE,TOTAL IN WATER MG/L	01/11/70-03/18/97	11	21.	20.364	26.	9.	24.855	4.985	10.6	18.	25.	26.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/11/70-03/18/97	11	20.	20.364	32.	13.	25.655	5.065	13.6	16.	22.	30.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	10	0.055	0.061	0.1	0.04	0.	0.022	0.04	0.04	0.083	0.099
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/11/70-03/18/97	11	200.	197.273	400.	60.	12381.818	111.274	60.	60.	250.	390.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/11/70-03/18/97	11 ##	25.	29.091	70.	25.	184.091	13.568	25.	25.	25.	61.
01092	ZINC, TOTAL (UG/L AS ZN)	01/11/70-03/18/97	11 ##	10.	18.182	100.	10.	736.364	27.136	10.	10.	10.	82.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/11/70-06/09/88	3	600.	4000.667	11400.	2.	41152001.333	6414.983	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/11/70-06/09/88	3	2.778	2.379	4.057	0.301	3.646	1.91	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			239.164								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	10	200.	253.	830.	10.	61378.889	247.748	14.	57.5	357.5	791.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	10	2.263	2.16	2.919	1.	0.316	0.562	1.07	1.758	2.55	2.892
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			144.644								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	11	60.	4873.	53000.	10.	254786405.	15962.03	10.	13.	80.	42444.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	11	1.778	1.868	4.724	1.	1.082	1.04	1.	1.114	1.903	4.248
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			73.853								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/11/70-03/18/97	11	0.01	0.023	0.12	0.005	0.001	0.034	0.005	0.005	0.03	0.102
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	10	3.	5.525	34.	0.25	103.478	10.172	0.275	0.5	4.5	31.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/70-03/18/97	11	120.	121.636	145.	98.	210.055	14.493	98.6	111.	133.	143.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/71-10/09/97	17	15.	14.765	19.5	7.9	14.517	3.81	8.78	11.5	19.	19.42
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/71-10/09/97	15	18.	19.653	26.5	11.	23.06	4.802	12.38	16.	23.5	25.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/71-10/09/97	18	165.	167.278	220.	125.	722.801	26.885	131.3	148.	187.25	208.3
00300	OXYGEN, DISSOLVED MG/L	05/03/71-10/09/97	16	10.15	10.469	17.5	4.	8.26	2.874	7.01	8.9	11.6	14.63
00335	COD, .025N K2CR2O7 MG/L	01/11/70-03/18/97	19 ##	2.5	10.516	119.	0.8	739.477	27.193	2.5	2.5	2.5	32.5
00403	PH, LAB, STANDARD UNITS SU	05/03/71-03/18/97	18	7.45	7.533	8.3	7.1	0.112	0.334	7.1	7.275	7.725	8.12
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/71-03/18/97	18	7.447	7.433	8.3	7.1	0.122	0.35	7.1	7.275	7.725	8.12
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/71-03/18/97	18	0.036	0.037	0.079	0.005	0.001	0.023	0.008	0.019	0.053	0.079
00421	ALKALINITY,CARBONATE,FIXED ENDPOINT TITR LAB MG/L	04/16/79-03/18/97	17	45.	43.059	70.5	7.5	175.496	13.248	24.7	37.	51.5	58.1
00612	AMMONIA, UNIONZED (MG/L AS N)	01/11/70-03/18/97	18	0.01	0.045	0.25	0.005	0.005	0.072	0.005	0.005	0.063	0.214
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/11/70-03/18/97	16 ##	0.005	0.012	0.05	0.005	0.	0.012	0.005	0.005	0.02	0.029
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/79-03/18/97	17	0.23	0.232	0.97	0.005	0.069	0.263	0.005	0.005	0.375	0.65
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/70-03/18/97	19	2.03	2.298	8.63	1.3	2.52	1.588	1.32	1.67	2.27	2.72
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/11/70-03/18/97	18 ##	0.008	0.013	0.05	0.005	0.	0.014	0.005	0.005	0.013	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/18/97	17	74.	73.647	110.	2.	543.118	23.305	44.4	69.	85.5	107.6
00929	SODIUM, TOTAL (MG/L AS NA)	01/11/70-03/18/97	16	11.5	11.734	30.	6.	33.929	5.825	6.	7.925	13.2	20.2
00937	POTASSIUM, TOTAL MG/L AS K)	01/11/70-03/18/97	17	2.	3.542	14.	0.07	11.154	3.34	1.014	1.55	5.2	8.4
00940	CHLORIDE,TOTAL IN WATER MG/L	01/11/70-03/18/97	19	13.	13.579	25.	5.	19.924	4.464	6.	12.	16.	19.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/11/70-03/18/97	19	19.	21.684	50.	6.	104.339	10.215	13.	16.	24.	39.
00951	FLUORIDE, TOTAL (MG/L AS F)	04/16/79-03/18/97	17	0.09	0.125	0.78	0.04	0.029	0.17	0.048	0.075	0.105	0.252
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/71-03/18/97	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	01/11/70-03/18/97	17	300.	467.059	2400.	60.	303009.559	550.463	60.	200.	475.	1280.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/11/70-03/18/97	17 ##	25.	89.706	700.	25.	29770.221	172.54	25.	25.	37.5	380.
01092	ZINC, TOTAL (UG/L AS ZN)	01/11/70-03/18/97	17 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	01/11/70-06/09/88	9	5000.	115279.111	1000000.	112.1	100800014	27.111	331783.064	112.	2600.	8450.	1000000.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	01/11/70-06/09/88	9	3.699	3.756	6.	2.049	1.037	1.018	2.049	3.414	3.919	6.
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			5698.948								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/03/71-03/18/97	18	760.	6366.	59000.	30.	257727765.647	16053.902	30.	267.	2525.	41900.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/03/71-03/18/97	18	2.88	2.898	4.771	1.477	0.802	0.896	1.477	2.414	3.401	4.619
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			790.505								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	19	790.	8067.053	100000.	8.	545958259.719	23365.75	20.	70.	1830.	31000.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/11/70-03/18/97	19	2.898	2.818	5.	0.903	1.079	1.039	1.301	1.845	3.262	4.491
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			656.935								
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	01/11/70-03/18/97	18	0.015	0.036	0.22	0.005	0.003	0.056	0.005	0.005	0.043	0.148
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/23/81-03/18/97	16	4.5	8.844	60.	0.5	206.924	14.385	0.85	2.	9.75	28.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/70-03/18/97	19	120.	125.789	192.	99.	462.953	21.516	105.	116.	134.	164.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0445

NPS Station ID: VAFO0445 LAT/LON: 40.100837/ -75.627227 Agency: 112WRD Date Created: / /
Location: PICKERING CR TRIB AT CHESTER SPRINGS, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472176
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203035902.06 RF3 Mile Point: 2.40 Distance from RF3: 0.08 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0445

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/04/68-02/04/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-04/14/68	2	112.5	112.5	119.	106.	84.5	9.192	**	**	**	**
00400	PH (STANDARD UNITS)	02/04/68-02/04/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-02/04/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-02/04/68	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-02/04/68	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-02/04/68	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/04/68-02/04/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-04/14/68	2	0.04	0.04	0.08	0.	0.003	0.057	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-04/14/68	2	42.	42.	43.	41.	2.	1.414	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-02/04/68	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-04/14/68	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-04/14/68	2	3.15	3.15	3.3	3.	0.045	0.212	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/04/68-02/04/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-04/14/68	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-02/04/68	1	19.	19.	19.	19.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-04/14/68	1	71.	71.	71.	71.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-04/14/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-04/14/68	2	2.55	2.55	2.8	2.3	0.125	0.354	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0445

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0446

NPS Station ID: VAFO0446 | LAT/LON: 40.123892/ -75.627310 | Agency: 11NPSWRD | Date Created: 05/09/98
Location: PACH528R | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): HOFU_NURE_3 /4069997
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE SITE IS LOCATED ON THE DOWNINGTON PA-CHESTER CO. 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE HOPEWELL FURNACE NATIONAL HISTORIC SITE PARK BOUNDARIES. THE SAMPLES WERE FILTERED THROUGH A LESS THAN OR EQUAL TO 0.8 UM FILTER AT THE SITE. DATA ARE FROM THE "U.S. GEOLOGICAL SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY SAVANNAH RIVER LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0446

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/77-06/27/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/77-06/27/77	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/77-06/27/77	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/77-06/27/77	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/77-06/27/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/77-06/27/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/77-06/27/77	1	12.93	12.93	12.93	12.93	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/27/77-06/27/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/77-06/27/77	1	221.	221.	221.	221.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/27/77-06/27/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/27/77-06/27/77	1	49.	49.	49.	49.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/27/77-06/27/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/27/77-06/27/77	1	56.	56.	56.	56.	0.	0.	**	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/27/77-06/27/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0446

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0447

NPS Station ID: VAFO0447 LAT/LON: 40.150837/ -75.628198 Agency: 11NPSWRD Date Created: 05/02/98
Location: FRENCH CREEK AT SHEEDER MILL ROAD (T-491) FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_BOYER_06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POTTSTOWN PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS ON FRENCH CREEK AT SHEEDER MILL ROAD (T-491); RIVER MILE 10.00. THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE NPS AND PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION TO ASSESS NON-POINT SOURCE POLLUTION IN FRENCH CREEK AND TO DOCUMENT OVERALL WATER QUALITY IN THE BASIN. DATA WERE PUBLISHED IN THE REPORT "AQUATIC BIOLOGY INVESTIGATION; FRENCH CREEK/CHESTER COUNTY; NPS SURVEY" BY MICHAEL R. BOYER (1993). THE REPORT STATED; "CHEMICAL PARAMETERS SHOWED GOOD WATER QUALITY. THE BACTERIA CONCENTRATIONS WERE SLIGHTLY ELEVATED..WATER QUALITY WAS SUPPORTIVE OF THE HQ-TSF DESIGNATION AT STATION 6." DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0447

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/91-07/09/91	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/91-07/09/91	1	154.	154.	154.	154.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/91-07/09/91	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/91-07/09/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/09/91-07/09/91	1	8.02	8.02	8.02	8.02	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/09/91-07/09/91	1	8.02	8.02	8.02	8.02	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/91-07/09/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/09/91-07/09/91	1	142.	142.	142.	142.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/91-07/09/91	1	142.	142.	142.	142.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/91-07/09/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	07/09/91-07/09/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/91-07/09/91	1	1.13	1.13	1.13	1.13	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/91-07/09/91	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/91-07/09/91	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/91-07/09/91	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/91-07/09/91	1	13.9	13.9	13.9	13.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/91-07/09/91	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/91-07/09/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/91-07/09/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0447

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/91-07/09/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/91-07/09/91	1	528.	528.	528.	528.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/91-07/09/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/91-07/09/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/91-07/09/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/09/91-07/09/91	1	582.	582.	582.	582.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/09/91-07/09/91	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/09/91-07/09/91	1	3.23	3.23	3.23	3.23	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1700.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	800.	800.	800.	800.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/91-07/09/91	1	2.903	2.903	2.903	2.903	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			800.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/91-07/09/91	1	120.	120.	120.	120.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/09/91-07/09/91	1	2.079	2.079	2.079	2.079	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			120.								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/09/91-07/09/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0447

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0448

NPS Station ID: VAFO0448 LAT/LON: 40.150809/ -75.628588 Agency: 11NPSWRD Date Created: 10/05/99
Location: FRENCH CREEK NEAR SHEEDER MILL ROAD FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_CHS_FREN
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POTTSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF HOPEWELL FURNACE NATIONAL HISTORIC SITE. THE SAMPLE SITE IS AT FRENCH CREEK NEAR SHEEDER MILL ROAD. DATA ARE AVERAGED FOR THE 5 STATIONS AT FRENCH CREEK AND THIS SITE IS LOCATED IN THE MIDDLE OF THE SAMPLING REACH. DATA ARE FROM A SERIES OF FRENCH CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; HOPEWELL FURNACE NATIONAL HISTORIC SITE; 2 MARK BIRD LANE; ELVERSON PA 19520-9505 (TEL. 610-582-8773). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80526-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0448

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/06/94-10/06/94	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/94-10/06/94	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/06/94-10/06/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/94-10/06/94	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/06/94-10/06/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/06/94-10/06/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/06/94-10/06/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/06/94-10/06/94	1	28.	28.	28.	28.	0.	0.	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/06/94-10/06/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0448

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0449

NPS Station ID: VAFO0449 LAT/LON: 40.151115/ -75.629449 Agency: 11NPSWRD Date Created: 04/25/98
Location: FRENCH CK AT SHEEDER MILL ROAD BRIDGE FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): HOFU_PADEP_14FC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POTTSTOWN PENNSYLVANIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS FRENCH CREEK AT SHEEDER MILL ROAD (T-491) BRIDGE. THE CREEK WAS SAMPLED AS PART OF A STUDY BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION/BUREAU OF WATERSHED CONSERVATION IN RESPONSE TO A PETITION BY THE GREEN VALLEYS ASSOCIATION FOR REDESIGNATION OF THE FRENCH CREEK-CHESTER COUNTY DRAINAGE BASIN TO EXCEPTIONAL VALUE WATERS STATUS. DATA WERE PUBLISHED IN THE REPORT "FRENCH CREEK; CHESTER COUNTY; SPECIAL PROTECTION EVALUATION REPORT; WATER QUALITY STANDARDS REVIEW; SEGMENT: BASIN - FROM THE HEADWATERS TO THE JUNCTION OF THE WEST VINCENT; EAST VINCENT AND EAST PIKELAND TOWNSHIP BORDERS" BY THE BUREAU OF WATERSHED CONSERVATION (1996). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0449

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/95-05/25/95	1	21.9	21.9	21.9	21.9	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/25/95-05/25/95	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/95-05/25/95	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/25/95-05/25/95	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/25/95-05/25/95	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/25/95-05/25/95	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/95-05/25/95	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/25/95-05/25/95	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/25/95-05/25/95	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/95-05/25/95	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/95-05/25/95	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/95-05/25/95	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/95-05/25/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/95-05/25/95	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/25/95-05/25/95	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/25/95-05/25/95	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/25/95-05/25/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/25/95-05/25/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/95-05/25/95	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/25/95-05/25/95	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/25/95-05/25/95	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/95-05/25/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0449

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/95-05/25/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/25/95-05/25/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/25/95-05/25/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/25/95-05/25/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/25/95-05/25/95	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/25/95-05/25/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/95-05/25/95	1	369.	369.	369.	369.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/25/95-05/25/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/95-05/25/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/25/95-05/25/95	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/25/95-05/25/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/95-05/25/95	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/25/95-05/25/95	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/25/95-05/25/95	1	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			80.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/95-05/25/95	1	130.	130.	130.	130.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0449

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0450

NPS Station ID: VAFO0450 LAT/LON: 40.089448/ -75.630559 Agency: 112WRD Date Created: / /
Location: PICKERING CREEK NEAR CHESTER SPRINGS, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472174
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203001912.48 RF3 Mile Point: 13.56 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/12/95	54	10.5	10.644	22.	2.	22.9	4.785	4.75	6.75	13.25	18.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/12/95	21	14.5	14.124	24.5	7.5	16.963	4.119	8.1	11.5	16.5	19.2
00060	FLOW, STREAM, MEAN DAILY CFS	10/20/67-08/09/68	22	44.	63.455	207.	1.	4265.974	65.314	4.3	7.5	118.5	180.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/12/95	27	4.	5.704	15.	2.	11.601	3.406	2.	3.	9.	10.2
00065	STAGE, STREAM (FEET)	10/16/81-10/12/95	4	2.32	2.345	2.48	2.26	0.01	0.1	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/18/83-10/03/91	8	1.05	1.063	1.6	0.6	0.108	0.329	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/04/68-02/04/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-10/12/95	37	195.	186.73	228.	112.	817.814	28.597	135.4	177.5	200.5	220.
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/12/95	20	10.7	10.58	12.	8.6	0.633	0.796	9.15	10.4	10.8	11.77
00340	COD, .25N K2CR2O7 MG/L	10/22/69-10/02/73	6	10.5	26.333	110.	1.	1719.467	41.466	**	**	**	**
00400	PH (STANDARD UNITS)	02/04/68-10/12/95	37	7.3	7.311	8.1	6.5	0.132	0.363	6.76	7.1	7.525	7.74
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-10/12/95	37	7.3	7.157	8.1	6.5	0.156	0.395	6.76	7.1	7.525	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-10/12/95	37	0.05	0.07	0.316	0.008	0.005	0.071	0.018	0.03	0.079	0.177
00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/03/91	20	7.5	7.485	7.9	7.	0.064	0.254	7.1	7.25	7.675	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-10/03/91	20	7.5	7.411	7.9	7.	0.07	0.265	7.1	7.25	7.675	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-10/03/91	20	0.032	0.039	0.1	0.013	0.001	0.025	0.016	0.021	0.057	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/19/77	5	3.4	4.28	6.7	2.1	4.897	2.213	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-10/03/91	25	46.	44.92	65.	24.	88.16	9.389	29.2	40.5	52.	54.8
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/08/92-10/12/95	4	49.5	49.25	52.	46.	10.25	3.202	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/04/68-10/19/77	7	51.	45.286	54.	29.	94.238	9.708	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/04/68-10/19/77	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/22/69-10/03/72	5	120.	129.	187.	106.	1128.	33.586	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/21/76-10/16/81	4	2.1	2.1	2.2	2.	0.007	0.082	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/08/85	4	2.4	2.425	2.9	2.	0.143	0.377	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-10/16/81	9	0.49	0.413	0.81	0.08	0.063	0.251	0.08	0.185	0.6	0.81
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/16/81-10/18/82	2	0.17	0.17	0.27	0.07	0.02	0.141	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	23	0.02	0.038	0.16	0.005	0.002	0.044	0.005	0.008	0.05	0.11
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-10/16/81	9	0.05	0.062	0.21	0.005	0.004	0.06	0.005	0.025	0.07	0.21
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	23 ##	0.005	0.009	0.04	0.005	0.	0.008	0.005	0.005	0.01	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/71-10/16/81	7	0.01	0.009	0.02	0.001	0.	0.006	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/18/83	3	2.2	2.067	2.3	1.7	0.103	0.321	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/16/81	12	1.75	1.56	2.9	0.07	0.678	0.823	0.199	0.725	2.	2.72
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/08/92	11	0.2	0.226	0.6	0.	0.028	0.167	0.02	0.1	0.3	0.56
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/16/81-10/08/85	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/08/92	14	0.35	0.377	0.86	0.1	0.062	0.248	0.1	0.123	0.595	0.78
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/73-10/16/81	5	1.7	1.8	2.3	1.4	0.125	0.354	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/12/95	23	2.3	2.304	2.9	1.7	0.16	0.401	1.7	2.	2.7	2.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/04/68-10/30/80	4	0.025	0.038	0.1	0.	0.002	0.043	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/18/82-10/18/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/08/92	18	0.02	0.033	0.13	0.005	0.001	0.029	0.01	0.02	0.04	0.076
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/08/92	11	0.01	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.018
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/12/95	23 ##	0.005	0.011	0.06	0.005	0.	0.013	0.005	0.005	0.01	0.026
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	03/23/84-03/23/84	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/04/68-10/18/82	11	63.	62.364	73.	45.	85.655	9.255	47.	55.	72.	72.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/04/68-10/19/77	7	24.	24.286	28.	20.	11.571	3.402	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-10/03/91	23	19.	18.696	23.	12.	8.312	2.883	14.4	17.	21.	22.
00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/70-10/03/72	3	18.	17.333	18.	16.	1.333	1.155	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-10/03/91	23	5.6	5.33	6.2	3.1	0.597	0.773	3.9	5.	5.8	6.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/70-10/03/72	3	4.9	5.633	7.6	4.4	2.963	1.721	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/05/70-10/03/72	3	6.25	6.497	7.9	5.34	1.684	1.298	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	20	6.7	6.87	8.5	5.7	0.542	0.736	6.	6.25	7.35	8.06
00931	SODIUM ADSORPTION RATIO	02/04/68-10/18/82	9	0.3	1.033	6.7	0.3	4.518	2.125	0.3	0.3	0.4	6.7
00932	SODIUM, PERCENT	10/02/73-10/18/82	8	16.	16.5	19.	15.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	20	1.9	2.07	4.7	1.2	0.51	0.714	1.51	1.725	2.2	2.77
00937	POTASSIUM, TOTAL MG/L AS K)	05/05/70-10/03/72	3	1.43	1.477	1.6	1.4	0.012	0.108	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-10/12/95	35	15.	14.114	25.	5.	14.222	3.771	8.6	12.	16.	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-10/03/91	27	16.	19.37	89.	13.	206.165	14.358	13.	14.	18.	24.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/03/91	10	0.1	0.145	0.7	0.	0.041	0.202	0.005	0.05	0.125	0.65
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/28/68-10/03/91	17	18.	17.094	21.	7.6	8.326	2.885	12.72	17.	18.	20.2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/18/82	3	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/18/84-09/18/84	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/18/82	8 ##	0.75	0.938	4.	0.	1.746	1.321	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/18/82	8 ##	0.75	1.688	10.	0.	11.496	3.391	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/05/70-10/03/72	3 ##	50.	58.333	75.	50.	208.333	14.434	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/18/82	8 ##	0.	0.563	2.	0.	0.817	0.904	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/05/70-10/03/72	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/18/82	8 ##	0.25	2.063	10.	0.	12.317	3.51	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/05/70-10/03/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/05/70-10/02/73	4 ##	225.	206.25	300.	75.	9322.917	96.555	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	19	80.	90.684	220.	20.	1749.339	41.825	50.	68.	120.	130.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/18/82	8 ##	1.	2.125	7.	0.	5.768	2.402	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/70-10/02/73	4 ##	125.	101.25	125.	30.	2256.25	47.5	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	19	25.	31.737	80.	13.	356.316	18.876	15.	18.	40.	70.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/18/82	8	2.	2.125	5.	0.	2.696	1.642	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/05/70-10/03/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/18/82	8 ##	10.	8.375	20.	0.	38.268	6.186	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/05/70-10/03/72	3 ##	20.	18.333	25.	10.	58.333	7.638	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/18/83-10/03/91	9	10.	30.	200.	5.	4087.5	63.934	5.	5.	15.	200.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/23/84-03/23/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/05/70-10/03/72	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/22/69-10/02/73	6	4556.	8075.333	29300.	2.	129647588.267	11386.289	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/22/69-10/02/73	6	3.002	2.725	4.467	0.301	2.763	1.662	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			531.117								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	3	600.	1340.	2900.	520.	1826800.	1351.592	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	3	2.778	2.986	3.462	2.716	0.172	0.414	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			967.203								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/69-10/02/73	6	486.5	670.25	2000.	0.5	661604.575	813.391	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/22/69-10/02/73	6	2.048	1.836	3.301	-0.301	2.163	1.471	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			68.558								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/19/77-12/13/84	7	0.03	0.024	0.04	0.	0.	0.018	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/86-10/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/86-10/07/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/86-10/07/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/07/86-10/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/09/87	22	124.5	122.773	154.	96.	207.613	14.409	100.	113.	130.5	144.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/19/77	5	102.	102.4	109.	97.	20.3	4.506	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/14/68-05/28/68	2	10.375	10.375	19.4	1.35	162.901	12.763	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-10/18/82	10	0.155	0.152	0.18	0.13	0.	0.015	0.13	0.138	0.16	0.178
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/03/71-03/23/84	10	0.01	0.013	0.04	0.005	0.	0.011	0.005	0.005	0.013	0.038
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/30/80-10/30/80	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/16/81-10/18/82	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/04/68-10/18/82	5	6.6	6.8	9.7	3.8	4.525	2.127	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/16/81-10/18/82	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/30/80-10/08/85	4	0.06	0.068	0.09	0.06	0.	0.015	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/21/76-10/16/81	4	9.35	9.3	9.7	8.8	0.14	0.374	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/16/81-10/18/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/67-10/03/72	22	215.5	350.909	1080.	3.	153582.277	391.896	3.9	8.	741.25	977.9
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/67-10/03/72	22	16.5	114.354	569.	0.01	29354.018	171.33	0.049	0.158	202.75	458.3
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/07/86-10/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0450

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	8	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	20	0	0.00									
00400	PH	Fresh Chronic	9.	37	0	0.00	26	0	0.00	3	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	37	1	0.03	26	0	0.00	3	0	0.00	8	1	0.13			
00403	PH, LAB	Fresh Chronic	9.	20	0	0.00	14	0	0.00	1	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	14	0	0.00	1	0	0.00	5	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	23	0	0.00	17	0	0.00	1	0	0.00	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	6	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	23	0	0.00	17	0	0.00	1	0	0.00	5	0	0.00			
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	35	0	0.00	23	0	0.00	3	0	0.00	9	0	0.00			
		Drinking Water	250.	35	0	0.00	23	0	0.00	3	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	27	0	0.00	20	0	0.00	3	0	0.00	4	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	10	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	1	0.13	8	1	0.13									
		Drinking Water	5.	8	0	0.00	8	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	8	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	0	0.00	8	0	0.00									
		Drinking Water	1300.	8	0	0.00	8	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	8	0	0.00									
		Drinking Water	15.	8	0	0.00	8	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00	8	0	0.00									
		Drinking Water	100.	8	0	0.00	8	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	0 &	0	0.00												

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0450

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	8	0	0.00									
		Drinking Water	5000.	8	0	0.00	8	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	3	0.50	3	2	0.67	1	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	2	2	1.00				1	1	1.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	2	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/12/95	27	10.5	10.344	16.	4.5	7.911	2.813	5.96	8.5	12.	15.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/12/95	18	15.	14.406	24.5	7.5	17.419	4.174	8.4	11.75	16.5	20.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/12/95	18	3.	3.778	9.	2.	3.124	1.768	2.	3.	4.	7.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-10/12/95	26	195.	193.731	228.	125.	660.125	25.693	147.4	190.	212.25	221.2
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/12/95	20	10.7	10.58	12.	8.6	0.633	0.796	9.15	10.4	10.8	11.77
00400	PH (STANDARD UNITS)	02/04/68-10/12/95	26	7.25	7.242	7.7	6.56	0.09	0.301	6.74	7.083	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-10/12/95	26	7.247	7.131	7.7	6.56	0.103	0.321	6.74	7.082	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-10/12/95	26	0.057	0.074	0.275	0.02	0.004	0.064	0.025	0.032	0.083	0.186
00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/03/91	14	7.6	7.6	7.9	7.2	0.032	0.18	7.3	7.5	7.725	7.85
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-10/03/91	14	7.6	7.564	7.9	7.2	0.034	0.184	7.3	7.5	7.725	7.85
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-10/03/91	14	0.025	0.027	0.063	0.013	0.	0.013	0.014	0.019	0.032	0.051
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-10/03/91	17	48.	48.824	65.	34.	49.529	7.038	40.4	43.5	54.	57.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	17	0.02	0.024	0.11	0.005	0.001	0.025	0.005	0.008	0.03	0.062
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	17 ##	0.005	0.009	0.04	0.005	0.	0.009	0.005	0.005	0.008	0.024
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/16/81	9	1.8	1.752	2.9	0.07	0.59	0.768	0.07	1.5	2.15	2.9
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/16/81-10/08/92	11	0.2	0.226	0.6	0.	0.028	0.167	0.02	0.1	0.3	0.56
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/08/92	14	0.35	0.377	0.86	0.1	0.062	0.248	0.1	0.123	0.595	0.78
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/12/95	17	2.1	2.159	2.8	1.7	0.129	0.359	1.7	1.8	2.45	2.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/08/92	17	0.02	0.03	0.13	0.005	0.001	0.028	0.009	0.02	0.035	0.066
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/16/81-10/08/92	11	0.01	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.018
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/12/95	17 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-10/03/91	18	20.	19.667	23.	14.	4.706	2.169	16.7	18.75	21.	22.1
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-10/03/91	18	5.7	5.494	6.2	3.1	0.492	0.702	4.72	5.3	5.925	6.02
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	18	6.7	6.839	8.5	5.7	0.572	0.756	5.97	6.175	7.25	8.14
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	18	1.9	2.128	4.7	1.2	0.534	0.731	1.56	1.8	2.225	2.99
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-10/12/95	23	15.	14.391	19.	5.	9.34	3.056	11.	12.	17.	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-10/03/91	20	16.	20.1	89.	13.	276.516	16.629	13.	14.	18.	28.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/03/91	10	0.1	0.145	0.7	0.	0.041	0.202	0.005	0.05	0.125	0.65
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/28/68-10/03/91	16	18.	17.688	21.	14.	2.496	1.58	15.4	17.	18.	20.3
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	17	85.	94.353	220.	20.	1823.118	42.698	44.	75.	120.	148.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	17	32.	33.353	80.	13.	374.493	19.352	14.6	17.5	42.	72.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/09/87	14	121.5	122.429	148.	107.	133.187	11.541	107.	113.	130.5	141.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/12/95	12	5.	5.583	16.	2.	12.811	3.579	2.3	3.25	6.	13.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/12/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/12/95	2	10.	10.	11.	9.	2.	1.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-10/12/95	3	162.	160.667	180.	140.	401.333	20.033	**	**	**	**
00400	PH (STANDARD UNITS)	02/04/68-10/12/95	3	7.4	7.367	7.4	7.3	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-10/12/95	3	7.4	7.364	7.4	7.3	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-10/12/95	3	0.04	0.043	0.05	0.04	0.	0.006	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/03/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-10/03/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-10/03/91	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-10/03/91	2	29.	29.	30.	28.	2.	1.414	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/16/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/12/95	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/12/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-10/03/91	2	15.	15.	15.	15.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-10/03/91	2	5.05	5.05	5.1	5.	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-10/12/95	3	17.	18.	25.	12.	43.	6.557	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-10/03/91	3	17.	16.333	19.	13.	9.333	3.055	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/09/87	1	120.	120.	120.	120.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/67-10/12/95	15	15.	15.233	22.	10.5	17.245	4.153	10.8	11.	20.	20.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/12/95	2	14.65	14.65	16.	13.3	3.645	1.909	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/12/95	7	9.	9.429	15.	6.	7.619	2.76	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/04/68-10/12/95	8	192.5	173.75	200.	112.	1067.929	32.679	**	**	**	**
00400	PH (STANDARD UNITS)	02/04/68-10/12/95	8	7.5	7.513	8.1	6.5	0.29	0.538	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/04/68-10/12/95	8	7.489	7.185	8.1	6.5	0.413	0.642	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/04/68-10/12/95	8	0.032	0.065	0.316	0.008	0.011	0.103	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/30/80-10/03/91	5	7.2	7.24	7.5	7.	0.043	0.207	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-10/03/91	5	7.2	7.202	7.5	7.	0.045	0.212	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-10/03/91	5	0.063	0.063	0.1	0.032	0.001	0.028	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/04/68-10/03/91	6	41.5	39.167	46.	24.	71.367	8.448	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	5	0.11	0.091	0.16	0.005	0.003	0.058	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/16/81-10/12/95	5	0.01	0.013	0.02	0.005	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/16/81	2	1.224	1.224	1.948	0.5	1.048	1.024	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/16/81-10/12/95	5	2.7	2.72	2.9	2.5	0.022	0.148	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/08/92	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/16/81-10/12/95	5	0.02	0.024	0.06	0.005	0.001	0.023	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/04/68-10/03/91	3	15.	15.333	19.	12.	12.333	3.512	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/04/68-10/03/91	3	4.5	4.533	5.6	3.5	1.103	1.05	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/04/68-10/12/95	9	14.	12.111	16.	6.	13.611	3.689	6.	8.5	15.	16.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/04/68-10/03/91	4	17.5	18.	23.	14.	14.	3.742	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/28/68-10/03/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-10/09/87	7	127.	123.857	154.	96.	435.143	20.86	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0451

NPS Station ID: VAFO0451
LAT/LON: 40.063892/ -75.631948
Agency: 112WRD
Date Created: / /
Location: PINE C NR LIONVILLE PA
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472182
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 23.50
On/Off RF1:
RF3 Index: 02040203005103.28
RF3 Mile Point: 3.62
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0451

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/68-02/26/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/26/68-02/26/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/68-02/26/68	1	222.	222.	222.	222.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	02/26/68-02/26/68	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/26/68-02/26/68	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/68-02/26/68	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/68-02/26/68	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/68-02/26/68	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/26/68-02/26/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/26/68-02/26/68	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/68-02/26/68	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/68-02/26/68	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/68-02/26/68	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/68-02/26/68	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/26/68-02/26/68	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/68-02/26/68	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/68-02/26/68	1	27.	27.	27.	27.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/26/68-02/26/68	1	11.	11.	11.	11.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0451

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0452

NPS Station ID: VAFO0452
LAT/LON: 40.065837/ -75.631948
Agency: 21PA
Date Created: 04/20/91
Location: PETER T STINES
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/DOMEST/SPRING/NET
STORET Station ID(s): GWND03D024 /BASIN055-024
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id: 000GRDR
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203035011.08
RF3 Mile Point: 11.24
Distance from RF3: 0.03
On/Off RF3:
Description:
7.5' QUADRANGLE NAME: MALVERN PA

Parameter Inventory for Station: VAFO0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	03/26/91-03/06/96	3	6.1	6.233	6.6	6.	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/91-03/06/96	3	6.1	6.166	6.6	6.	0.11	0.332	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/91-03/06/96	3	0.794	0.682	1.	0.251	0.15	0.387	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/91-03/06/96	3	30.	36.667	56.	24.	289.333	17.01	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/91-03/06/96	3	332.	249.333	364.	52.	29461.333	171.643	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/91-03/06/96	3 ##	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/26/91-03/06/96	3 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/26/91-03/06/96	3	4.11	3.6	5.57	1.12	5.146	2.268	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/91-03/06/96	3	0.03	0.037	0.07	0.01	0.001	0.031	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/91-03/06/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/91-03/06/96	3	125.	92.	131.	20.	3897.	62.426	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/26/91-03/06/96	3	32.3	24.233	33.6	6.8	228.363	15.112	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/26/91-03/06/96	3	10.5	7.733	10.8	1.9	25.543	5.054	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/26/91-03/06/96	3	30.6	24.21	37.4	4.63	299.092	17.294	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/26/91-03/06/96	3	2.66	2.323	3.46	0.85	1.788	1.337	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/91-03/06/96	3	78.	59.	97.	2.	2527.	50.269	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/91-03/06/96	3 ##	10.	13.333	25.	5.	108.333	10.408	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	03/26/91-03/06/96	3	19.6	20.167	22.	18.9	2.643	1.626	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/26/91-03/06/96	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	03/26/91-03/06/96	3	172.	134.	201.	29.	8479.	92.081	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/26/91-03/06/96	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/26/91-03/06/96	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/26/91-03/06/96	3	10.	173.667	506.	5.	82840.333	287.82	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/91-03/06/96	3	69.	82.	166.	11.	6133.	78.313	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/26/91-03/06/96	3 ##	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/91-03/06/96	3 ##	5.	29.333	78.	5.	1776.333	42.147	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/26/91-03/06/96	3	13.	14.	24.	5.	91.	9.539	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/26/91-03/06/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	04/01/91-04/01/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/91-03/06/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0452

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	2	0.67	1	0	0.00	2	2	1.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	1	0	0.00	2	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	50.	3	0	0.00	1	0	0.00	2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	1	0	0.00	2	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	1	0	0.00	2	1	0.50						
		Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	2.	3	0	0.00	1	0	0.00	2	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0453

NPS Station ID: VAFO0453 | LAT/LON: 40.140699/ -75.633031 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: HALFWAY BETWEEN 2 SITES AT BIRCH RUN | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): HOFU_CHS_BIRCH
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POTTSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS OUTSIDE HOPEWELL FURNACE NATIONAL HISTORIC SITE. THE DATA ARE AVERAGED FOR TWO SAMPLING SITES. SAMPLING SITE 1 IS JUST UPSTREAM OF THE CONFLUENCE WITH FRENCH CREEK AT BIRCH RUN. SAMPLING SITE 2 IS JUST DOWNSTREAM OF BIRCHRUNVILLE ROAD AT BIRCH RUN. THIS SITE IS LOCATED HALFWAY BETWEEN THE TWO SAMPLING SITES AT BIRCH RUN. DATA ARE FROM A SERIES OF BIRCH RUN REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN DIRECTED BY NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE ANALYZED BY THE CHESTER COUNTY HEALTH DEPARTMENT. DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0453

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	10/10/91-10/10/91	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/91-10/10/91	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/10/91-10/10/91	1	18.6	18.6	18.6	18.6	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	10/10/91-10/10/91	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/10/91-10/10/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	10/10/91-10/10/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/10/91-10/10/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/91-10/10/91	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/10/91-10/10/91	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/10/91-10/10/91	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/10/91-10/10/91	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/91-10/10/91	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/10/91-10/10/91	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/10/91-10/10/91	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/10/91-10/10/91	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
34784	SEDIMENT DEPOSITS, DEPTH IN STREAM INCHES	10/10/91-10/10/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/10/91-10/10/91	1	290.	290.	290.	290.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/10/91-10/10/91	1	178.	178.	178.	178.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/10/91-10/10/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0453

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61450	BIOTIC INDEX, BECK - BENTHIC MACROINVERTEBRATES	10/10/91-10/10/91	1	29.	29.	29.	29.	0.	0.	**	**	**	**
61453	DIVERSITY INDEX, SHANNON-WEAVER, BENTHIC MACROINV	10/10/91-10/10/91	1	3.32	3.32	3.32	3.32	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0453

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0454

NPS Station ID: VAFO0454
LAT/LON: 40.154727/ -75.640281
Agency: 112WRD
Date Created: / /
Location: FRENCH CREEK NEAR PUGHTOWN, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472154
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203019
RF1 Mile Point: 10.280
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02040203001914.05
RF3 Mile Point: 14.05
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/69-11/06/95	28	9.25	9.779	18.	4.	12.88	3.589	5.	6.875	12.5	14.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-11/06/95	21	11.	12.295	28.	4.	35.115	5.926	6.2	8.	15.75	21.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-11/06/95	18	28.5	31.056	61.	15.	197.938	14.069	15.9	19.75	38.25	60.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/14/92	10	0.95	1.19	3.3	0.4	0.71	0.843	0.42	0.675	1.3	3.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/69-11/06/95	29	150.	145.034	200.	70.	791.32	28.13	96.	137.5	161.5	168.
00300	OXYGEN, DISSOLVED MG/L	10/25/74-11/06/95	22	11.05	10.968	12.9	9.	1.048	1.024	9.46	10.175	11.825	12.27
00340	COD, .25N K2CR2O7 MG/L	12/10/69-10/30/72	4	20.	25.25	44.	17.	158.917	12.606	**	**	**	**
00400	PH (STANDARD UNITS)	12/10/69-11/06/95	28	7.25	7.241	8.1	6.1	0.156	0.395	6.76	7.1	7.485	7.71
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/06/95	28	7.247	7.017	8.1	6.1	0.208	0.456	6.76	7.1	7.485	7.71
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/06/95	28	0.057	0.096	0.794	0.008	0.024	0.155	0.02	0.033	0.079	0.182
00403	PH, LAB, STANDARD UNITS SU	11/06/80-10/14/92	13	7.5	7.423	7.9	7.1	0.055	0.235	7.1	7.2	7.55	7.78
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-10/14/92	13	7.5	7.366	7.9	7.1	0.059	0.242	7.1	7.2	7.55	7.78
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-10/14/92	13	0.032	0.043	0.079	0.013	0.001	0.023	0.018	0.028	0.065	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	10/04/73-11/01/78	6	3.15	4.35	11.	1.6	11.415	3.379	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/73-10/15/91	17	40.	39.647	54.	24.	62.368	7.897	30.4	33.5	43.5	52.4
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/14/92-11/06/95	3	41.	40.667	43.	38.	6.333	2.517	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/73-11/01/78	6	41.	41.5	44.	39.	4.7	2.168	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/04/73-11/01/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/10/69-10/30/72	5	92.	92.8	111.	78.	159.7	12.637	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/27/76-10/21/81	6	1.55	1.533	2.	1.1	0.087	0.294	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-10/11/85	4	1.5	1.55	2.	1.2	0.17	0.412	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/10/71-10/21/81	12	0.36	0.353	0.58	0.12	0.016	0.128	0.153	0.255	0.428	0.565
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/21/81-11/02/82	2	0.345	0.345	0.43	0.26	0.014	0.12	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/81-11/06/95	15	0.02	0.024	0.05	0.005	0.	0.016	0.005	0.008	0.04	0.05
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/71-10/21/81	12	0.035	0.087	0.57	0.	0.024	0.155	0.003	0.015	0.085	0.429
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-11/06/95	15 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.005	0.024
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/71-10/21/81	9	0.005	0.006	0.01	0.	0.	0.004	0.	0.003	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/02/82-10/20/83	2	1.065	1.065	1.2	0.93	0.036	0.191	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/69-11/06/80	12	1.15	0.95	1.6	0.2	0.235	0.485	0.236	0.373	1.323	1.54
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/81-10/14/92	12	0.3	0.338	0.7	0.1	0.036	0.19	0.1	0.2	0.49	0.67
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/21/81-10/11/85	2	0.2	0.2	0.4	0.	0.08	0.283	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/14/92	17	0.4	0.355	0.7	0.1	0.027	0.166	0.1	0.23	0.44	0.58
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/04/73-10/21/81	7	1.2	1.161	1.5	0.7	0.077	0.278	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-11/06/95	16	1.3	1.319	1.8	0.7	0.127	0.356	0.77	1.025	1.6	1.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/06/80-11/06/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/10/71-10/14/92	22	0.03	0.039	0.11	0.01	0.001	0.027	0.01	0.02	0.06	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/81-10/14/92	12	0.02	0.021	0.08	0.005	0.	0.02	0.005	0.01	0.02	0.065
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/81-11/06/95	15 ##	0.005	0.011	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.028

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/73-11/02/82	9	55.	53.778	57.	46.	14.194	3.768	46.	51.	57.	57.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/73-11/01/78	6	19.	19.	24.	14.	16.4	4.05	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/73-10/14/92	19	15.	14.526	16.	11.	1.596	1.264	13.	14.	15.	16.
00916	CALCIUM, TOTAL (MG/L AS CA)	02/24/70-10/30/72	4	12.	11.925	12.5	11.2	0.289	0.538	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/73-10/14/92	19	4.8	4.737	5.3	4.	0.088	0.297	4.4	4.6	4.9	5.3
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/24/70-10/30/72	4	3.85	3.75	3.9	3.4	0.057	0.238	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	02/24/70-10/30/72	4	5.975	5.988	6.8	5.2	0.577	0.76	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/73-10/14/92	19	6.7	6.6	7.4	5.6	0.25	0.5	5.7	6.3	6.9	7.4
00931	SODIUM ADSORPTION RATIO	10/04/73-11/02/82	9	0.4	0.4	0.5	0.3	0.003	0.05	0.3	0.4	0.4	0.5
00932	SODIUM, PERCENT	10/04/73-11/02/82	9	20.	19.889	21.	19.	0.861	0.928	19.	19.	21.	21.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/73-10/14/92	19	2.	2.011	2.8	1.5	0.121	0.348	1.6	1.8	2.3	2.5
00937	POTASSIUM, TOTAL MG/L AS K)	02/24/70-10/30/72	4	1.6	1.85	3.	1.2	0.73	0.854	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/69-11/06/95	27	10.	10.	20.	6.	6.077	2.465	7.8	9.	11.	11.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/69-10/14/92	25	14.	14.304	19.	0.6	12.76	3.572	12.	13.	16.5	18.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/73-10/14/92	13	0.1	0.108	0.3	0.05	0.005	0.07	0.05	0.05	0.1	0.26
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/73-10/14/92	20	16.	17.75	45.	15.	41.776	6.463	15.	16.	17.	17.9
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/04/73-11/02/82	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/04/73-11/02/82	9 ##	1.	0.722	2.	0.	0.444	0.667	0.	0.	1.	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-11/02/82	9 ##	0.	1.611	10.	0.	11.611	3.408	0.	0.	2.25	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/24/70-11/09/79	5 ##	50.	47.	75.	10.	545.	23.345	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/04/73-11/02/82	9 ##	0.	0.444	3.	0.	0.965	0.982	0.	0.	0.5	3.
01037	COBALT, TOTAL (UG/L AS CO)	02/24/70-10/30/72	4 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/04/73-11/02/82	9 ##	2.	4.333	10.	0.	19.25	4.387	0.	1.	10.	10.
01042	COPPER, TOTAL (UG/L AS CU)	05/10/71-11/09/79	4 ##	125.	93.75	125.	0.	3906.25	62.5	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/24/70-10/04/73	5	310.	281.	550.	75.	32780.	181.052	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/25/74-10/14/92	18	115.	117.944	200.	53.	2084.291	45.654	56.6	78.5	142.5	200.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-11/02/82	9	2.	2.444	7.	0.	5.778	2.404	0.	0.5	4.5	7.
01051	LEAD, TOTAL (UG/L AS PB)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/10/71-10/04/73	4 ##	125.	95.	125.	5.	3600.	60.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/25/74-10/14/92	18	18.5	21.278	40.	8.	138.212	11.756	8.	11.5	32.5	40.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-11/02/82	9 ##	1.	1.444	4.	0.	2.215	1.488	0.	0.5	2.5	4.
01067	NICKEL, TOTAL (UG/L AS NI)	05/10/71-10/30/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-11/02/82	9 ##	10.	7.444	20.	0.	41.278	6.425	0.	1.	10.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	05/10/71-11/09/79	4 ##	10.	13.75	25.	10.	56.25	7.5	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/14/92	10	10.	12.	30.	5.	73.333	8.563	5.	5.	20.	29.
01132	LITHIUM, TOTAL (UG/L AS LI)	05/10/71-10/30/72	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/09/79-11/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/10/69-10/04/73	6	4850.	12633.333	51000.	2700.	359854666.667	18969.836	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/10/69-10/04/73	6	3.659	3.819	4.708	3.431	0.234	0.483	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6598.932								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/71-10/30/72	3	580.	526.667	700.	300.	42133.333	205.264	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/71-10/30/72	3	2.763	2.695	2.845	2.477	0.037	0.193	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			495.696								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/10/69-10/04/73	6	1180.	1259.	2600.	90.	1189686.	1090.727	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/10/69-10/04/73	6	3.061	2.815	3.415	1.954	0.439	0.663	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			652.782								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/21/77-11/02/82	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/11/85-10/11/85	1	6.	6.	6.	6.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-10/11/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/11/85-10/11/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/11/85-10/11/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/85-10/11/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/11/85-10/11/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/25/74-10/14/87	13	96.	98.692	111.	90.	55.064	7.421	90.8	93.	106.	111.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/73-11/01/78	6	87.5	87.5	93.	82.	14.7	3.834	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/02/82-11/02/82	1	4.72	4.72	4.72	4.72	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/73-11/02/82	9	0.13	0.13	0.15	0.12	0.	0.009	0.12	0.125	0.13	0.15
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/69-10/21/81	12	0.01	0.011	0.02	0.005	0.	0.005	0.005	0.01	0.01	0.02
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/09/79-11/06/80	2	0.02	0.02	0.04	0.	0.001	0.028	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/21/81-11/02/82	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/02/82-11/02/82	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/02/82-11/02/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/09/79-10/11/85	5	0.12	0.14	0.34	0.06	0.013	0.116	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/27/76-10/21/81	6	6.8	6.717	8.6	4.8	1.606	1.267	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/21/81-11/02/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/09/79-11/09/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/10/71-10/30/72	3	5.	4.667	5.	4.	0.333	0.577	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/10/71-10/30/72	3	0.5	0.603	0.82	0.49	0.035	0.188	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/11/85-10/11/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0454

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	10	0	0.00	10	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	22	0	0.00									
00400	PH	Fresh Chronic	9.	28	0	0.00	26	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	28	2	0.07	26	2	0.08	1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	13	0	0.00									
		Other-Lo Lim.	6.5	13	0	0.00	13	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	15	0	0.00	15	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	8	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	7	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	16	0	0.00	16	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	27	0	0.00	25	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	27	0	0.00	25	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	25	0	0.00	23	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	13	0	0.00	13	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	9	0	0.00									
		Drinking Water	5.	9	0	0.00	9	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	9	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	9	0	0.00									
		Drinking Water	1300.	9	0	0.00	9	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	4	0	0.00	3	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	9	0	0.00									
		Drinking Water	15.	9	0	0.00	9	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0454

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	9	0	0.00									
		Drinking Water	5000.	9	0	0.00	9	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	5000.	4	0	0.00	3	0	0.00				1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	6	1.00	4	4	1.00	1	1	1.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	2	2	1.00				1	1	1.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/69-11/06/95	26	9.25	9.838	18.	4.	12.578	3.547	5.	7.625	11.5	15.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-11/06/95	19	10.	11.853	28.	4.	33.485	5.787	6.	8.	14.	20.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-11/06/95	16	26.	28.5	60.	15.	149.6	12.231	15.7	19.25	36.5	50.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/20/83-10/14/92	10	0.95	1.19	3.3	0.4	0.71	0.843	0.42	0.675	1.3	3.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/69-11/06/95	27	153.	148.741	200.	70.	597.276	24.439	116.8	140.	163.	168.
00300	OXYGEN, DISSOLVED MG/L	10/25/74-11/06/95	22	11.05	10.968	12.9	9.	1.048	1.024	9.46	10.175	11.825	12.27
00400	PH (STANDARD UNITS)	12/10/69-11/06/95	26	7.2	7.225	8.1	6.1	0.163	0.404	6.68	7.085	7.455	7.73
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/06/95	26	7.2	6.998	8.1	6.1	0.217	0.466	6.68	7.085	7.455	7.73
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/06/95	26	0.063	0.101	0.794	0.008	0.025	0.16	0.019	0.035	0.082	0.23
00403	PH, LAB, STANDARD UNITS SU	11/06/80-10/14/92	13	7.5	7.423	7.9	7.1	0.055	0.235	7.1	7.2	7.55	7.78
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-10/14/92	13	7.5	7.366	7.9	7.1	0.059	0.242	7.1	7.2	7.55	7.78
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-10/14/92	13	0.032	0.043	0.079	0.013	0.001	0.023	0.018	0.028	0.065	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/73-10/15/91	17	40.	39.647	54.	24.	62.368	7.897	30.4	33.5	43.5	52.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/10/71-10/21/81	11	0.36	0.352	0.58	0.12	0.018	0.134	0.142	0.25	0.45	0.57
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/21/81-11/06/95	15	0.02	0.024	0.05	0.005	0.	0.016	0.005	0.008	0.04	0.05
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/71-10/21/81	11	0.03	0.043	0.1	0.	0.001	0.033	0.002	0.01	0.07	0.098
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/21/81-11/06/95	15 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.005	0.024
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/69-11/06/80	10	1.2	1.058	1.6	0.2	0.208	0.456	0.213	0.773	1.348	1.58
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/81-10/14/92	12	0.3	0.338	0.7	0.1	0.036	0.19	0.1	0.2	0.49	0.67
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/04/73-10/14/92	17	0.4	0.355	0.7	0.1	0.027	0.166	0.1	0.23	0.44	0.58
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/79-11/06/95	16	1.3	1.319	1.8	0.7	0.127	0.356	0.77	1.025	1.6	1.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/10/71-10/14/92	21	0.03	0.039	0.11	0.01	0.001	0.028	0.01	0.02	0.06	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/81-10/14/92	12	0.02	0.021	0.08	0.005	0.	0.02	0.005	0.01	0.02	0.065
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/21/81-11/06/95	15 ##	0.005	0.011	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.028
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/73-11/02/82	9	55.	53.778	57.	46.	14.194	3.768	46.	51.	57.	57.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/73-10/14/92	19	15.	14.526	16.	11.	1.596	1.264	13.	14.	15.	16.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/73-10/14/92	19	4.8	4.737	5.3	4.	0.088	0.297	4.4	4.6	4.9	5.3
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/73-10/14/92	19	6.7	6.6	7.4	5.6	0.25	0.5	5.7	6.3	6.9	7.4
00931	SODIUM ADSORPTION RATIO	10/04/73-11/02/82	9	0.4	0.4	0.5	0.3	0.003	0.05	0.3	0.4	0.4	0.5
00932	SODIUM, PERCENT	10/04/73-11/02/82	9	20.	19.889	21.	19.	0.861	0.928	19.	19.	21.	21.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/73-10/14/92	19	2.	2.011	2.8	1.5	0.121	0.348	1.6	1.8	2.3	2.5
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/69-11/06/95	25	10.	10.04	20.	7.	5.54	2.354	8.	9.	11.	11.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/69-10/14/92	23	14.	14.2	19.	0.6	13.211	3.635	12.	13.	16.	18.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/73-10/14/92	13	0.1	0.108	0.3	0.05	0.005	0.07	0.05	0.05	0.1	0.26
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/73-10/14/92	20	16.	17.75	45.	15.	41.776	6.463	15.	16.	17.	17.9
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/04/73-11/02/82	9 ##	1.	0.722	2.	0.	0.444	0.667	0.	0.	1.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/04/73-11/02/82	9 ##	0.	1.611	10.	0.	11.611	3.408	0.	0.	2.25	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/04/73-11/02/82	9 ##	0.	0.444	3.	0.	0.965	0.982	0.	0.	0.5	3.
01040	COPPER, DISSOLVED (UG/L AS CU)	10/04/73-11/02/82	9 ##	2.	4.333	10.	0.	19.25	4.387	0.	1.	10.	10.
01046	IRON, DISSOLVED (UG/L AS FE)	10/25/74-10/14/92	18	115.	117.944	200.	53.	2084.291	45.654	56.6	78.5	142.5	200.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/04/73-11/02/82	9	2.	2.444	7.	0.	5.778	2.404	0.	0.5	4.5	7.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/25/74-10/14/92	18	18.5	21.278	40.	8.	138.212	11.756	8.	11.5	32.5	40.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/04/73-11/02/82	9 ##	1.	1.444	4.	0.	2.215	1.488	0.	0.5	2.5	4.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/04/73-11/02/82	9 ##	10.	7.444	20.	0.	41.278	6.425	0.	1.	10.	20.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/20/83-10/14/92	10	10.	12.	30.	5.	73.333	8.563	5.	5.	20.	29.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/25/74-10/14/87	13	96.	98.692	111.	90.	55.064	7.421	90.8	93.	106.	111.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/73-11/02/82	9	0.13	0.13	0.15	0.12	0.	0.009	0.12	0.125	0.13	0.15
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/69-10/21/81	11	0.01	0.011	0.02	0.005	0.	0.005	0.005	0.01	0.01	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/69-11/06/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-11/06/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-11/06/95	1	42.	42.	42.	42.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/69-11/06/95	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/10/69-11/06/95	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/06/95	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/06/95	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/69-11/06/80	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/69-11/06/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/69-10/14/92	1	13.	13.	13.	13.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/69-11/06/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	12/10/69-11/06/95	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/69-11/06/95	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/69-11/06/95	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/10/69-11/06/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/06/95	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/06/95	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/10/71-10/21/81	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/71-10/21/81	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/69-11/06/80	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/10/71-10/14/92	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/69-11/06/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/69-10/14/92	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/69-10/21/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0455

NPS Station ID: VAFO0455 LAT/LON: 40.061115/ -75.641115 Agency: 112WRD Date Created: / /
Location: PINE CR AT SHARP FARM NR LIONVILLE, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472181
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203035009.11 RF3 Mile Point: 9.11 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/68-08/15/68	20	11.	11.25	20.	1.	38.408	6.197	4.1	5.25	17.75	19.
00060	FLOW, STREAM, MEAN DAILY CFS	03/13/68-08/15/68	17	12.	16.118	100.	3.	504.11	22.452	3.8	4.5	18.	36.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/68-07/15/68	3	258.	255.	259.	248.	37.	6.083	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/68-07/15/68	3	8.	7.833	8.5	7.	0.583	0.764	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/26/68-06/26/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/28/68-07/15/68	9	6.9	6.867	7.2	6.6	0.043	0.206	6.6	6.65	7.	7.2
00400	CONVERTED PH (STANDARD UNITS)	05/28/68-07/15/68	9	6.9	6.824	7.2	6.6	0.045	0.211	6.6	6.65	7.	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/28/68-07/15/68	9	0.126	0.15	0.251	0.063	0.005	0.069	0.063	0.1	0.225	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/68-07/15/68	9	36.	35.889	52.	18.	89.111	9.44	18.	30.5	41.	52.
00440	BICARBONATE ION (MG/L AS HCO3)	05/28/68-07/15/68	9	44.	43.889	64.	22.	136.111	11.667	22.	37.	50.	64.
00445	CARBONATE ION (MG/L AS CO3)	06/12/68-06/27/68	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/14/68-07/15/68	10	0.175	0.164	0.42	0.	0.022	0.148	0.	0.008	0.28	0.409
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/68-07/15/68	10	85.5	75.1	96.	41.	388.767	19.717	41.8	53.5	89.5	95.5
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/28/68-07/15/68	9	39.	36.889	49.	21.	141.361	11.89	21.	22.5	48.	49.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/68-07/15/68	10	19.	17.3	22.	10.	13.789	3.713	10.3	13.75	19.25	21.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/68-07/15/68	10	9.3	7.68	10.	3.8	7.388	2.718	3.82	4.6	10.	10.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/68-07/15/68	10	24.	23.3	32.	14.	33.344	5.774	14.3	17.	28.25	31.7
00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/68-06/12/68	4	19.	20.75	29.	16.	32.25	5.679	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/28/68-07/15/68	9	14.	11.944	17.	5.3	20.553	4.534	5.3	7.8	16.	17.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-07/15/68	10	181.	175.8	247.	86.	1647.956	40.595	92.6	162.5	194.75	242.3
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-07/15/68	10	0.245	0.24	0.34	0.12	0.003	0.055	0.129	0.225	0.263	0.333
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/68-07/15/68	10	15.5	13.75	21.	5.1	45.674	6.758	5.11	5.8	20.25	21.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/13/68-08/15/68	17	1410.	2688.588	10600.	180.	9996050.257	3161.653	197.6	627.	3280.	9728.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/13/68-08/15/68	17	55.	153.747	1680.	2.3	156982.624	396.21	2.38	11.05	96.	482.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0455

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00							9	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00							9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00							10	0	0.00			
		Drinking Water	250.	10	0	0.00							10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0455

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00							4	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	10	0	0.00							10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0456

NPS Station ID: VAFO0456 | LAT/LON: 40.131032/ -75.641615 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: DOWNSTREAM OF BIRCHRUNVILLE ROAD | FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): HOFU_CHS_BR2
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02040203 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: DELAWARE RIVER SCHUYLKILL | ECO Region:
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POTTSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS OUTSIDE HOPEWELL FURNACE NATIONAL HISTORIC SITE. THE SITE IS JUST DOWNSTREAM OF BIRCHRUNVILLE ROAD AT BIRCH RUN. DATA ARE FROM A SERIES OF BIRCH RUN REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN DIRECTED BY NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0456

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/91-10/26/91	24	14.9	14.554	16.	13.	0.783	0.885	13.	14.	15.	16.
00300	OXYGEN, DISSOLVED MG/L	10/25/91-10/26/91	24	9.5	9.625	12.	8.	1.549	1.245	8.	9.	10.75	11.5
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/25/91-10/26/91	24	93.5	95.	125.	75.	200.261	14.151	78.5	85.	106.	118.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0456

			Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	24	0	0.00	24	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0457

NPS Station ID: VAFO0457
LAT/LON: 40.157948/ -75.652477
Agency: 11NPSWRD
Date Created: 10/05/99
Location: CAMP INNABAH EAST OF HW 100
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): HOFU_CHS_INN
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POTTSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF HOPEWELL FURNACE NATIONAL HISTORIC SITE. THE SAMPLE SITE IS AT FRENCH CREEK AT CAMP INNABAH EAST OF HIGHWAY 100. DATA ARE FROM A SERIES OF FRENCH CREEK REPORTS PREPARED BY THE ADVANCED BIOLOGY STUDENTS OF CONESTOGA HIGH SCHOOL; TREDYFFRIN-EASTTOWN SCHOOL DISTRICT. STUDENTS USED TO BE UNDER THE DIRECTION OF DR. RALPH HEISTER BUT HAVE BEEN UNDER THE DIRECTION OF NORMAN MARRINER SINCE 1991. SAMPLING WAS DONE BY THE STUDENTS. BACTERIOLOGICAL SAMPLES WERE RUN BY THE CHESTER COUNTY HEALTH DEPARTMENT. FOR INFORMATION ABOUT THE PARK CONTACT RESOURCE MANAGEMENT; HOPEWELL FURNACE NATIONAL HISTORIC SITE; 2 MARK BIRD LANE; ELVERSON PA 19520-9505 (TEL. 610-582-8773). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80526-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0457

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/94-10/06/94	1	172.	172.	172.	172.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/06/94-10/06/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/94-10/06/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/94-10/06/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/94-10/06/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/94-10/06/94	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/06/94-10/06/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/06/94-10/06/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
61213	COLIFORM, GENERAL, TOTAL #/100ML	10/06/94-10/06/94	1	2650.	2650.	2650.	2650.	0.	0.	**	**	**	**
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	10/06/94-10/06/94	1	165.	165.	165.	165.	0.	0.	**	**	**	**
61215	FECAL COLIFORM, GENERAL #/100ML	10/06/94-10/06/94	1	180.	180.	180.	180.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0457

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0458

NPS Station ID: VAFO0458
LAT/LON: 40.078615/ -75.653892
Agency: 112WRD
Date Created: / /
Location: PICKERING CREEK NEAR EAGLE, PA.
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01472170
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001910.08
RF3 Mile Point: 10.08
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0458

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/69-10/31/96	21	11.	11.381	17.	3.	10.273	3.205	7.2	10.	13.5	16.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/31/96	16	13.2	14.181	23.5	5.	28.199	5.31	7.8	10.	18.	22.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/31/96	16	2.	1.888	5.	0.7	1.505	1.227	0.77	0.925	2.	4.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/05/84-10/03/91	6	1.4	1.75	2.7	1.	0.567	0.753	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/69-10/31/96	21	205.	198.	250.	111.	1450.7	38.088	138.	163.	229.5	238.8
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/31/96	15	11.2	11.227	12.6	10.2	0.559	0.748	10.26	10.6	11.9	12.3
00340	COD, .25N K2CR2O7 MG/L	10/22/69-10/02/73	6	14.	25.667	99.	1.	1348.667	36.724	**	**	**	**
00400	PH (STANDARD UNITS)	10/22/69-10/31/96	21	7.5	7.353	7.9	6.24	0.184	0.429	6.82	7.	7.7	7.8
00400	CONVERTED PH (STANDARD UNITS)	10/22/69-10/31/96	21	7.5	7.103	7.9	6.24	0.25	0.5	6.82	7.	7.7	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/22/69-10/31/96	21	0.032	0.079	0.575	0.013	0.015	0.122	0.016	0.02	0.103	0.152
00403	PH, LAB, STANDARD UNITS SU	10/05/84-10/03/91	6	7.75	7.717	7.9	7.4	0.038	0.194	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/05/84-10/03/91	6	7.747	7.678	7.9	7.4	0.039	0.199	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/84-10/03/91	6	0.018	0.021	0.04	0.013	0.	0.01	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/73-10/21/76	4	2.35	2.7	4.6	1.5	2.14	1.463	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/05/93	12	41.	37.5	67.	0.	332.455	18.233	2.7	31.	48.75	62.8
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/07/92-10/31/96	4	46.	44.25	49.	36.	34.917	5.909	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/02/73-10/21/76	4	43.5	43.	49.	36.	32.667	5.715	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/02/73-10/21/76	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/22/69-10/03/72	5	112.	118.2	144.	105.	237.2	15.401	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/21/76-11/01/79	2	2.45	2.45	3.	1.9	0.605	0.778	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/08/85-10/08/85	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/71-11/01/79	7	0.63	0.577	0.88	0.28	0.049	0.221	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/84-10/31/96	11	0.01	0.02	0.06	0.005	0.	0.018	0.006	0.008	0.02	0.058
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/71-11/01/79	7	0.06	0.084	0.28	0.01	0.008	0.092	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/05/84-10/31/96	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/71-10/21/76	4	0.008	0.007	0.01	0.002	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/69-10/21/76	9	1.6	1.39	2.7	0.25	0.742	0.862	0.25	0.432	2.	2.7
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/05/84-10/07/92	7	0.3	0.3	0.6	0.1	0.037	0.191	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/08/85-10/08/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/07/92	11	0.4	0.458	0.92	0.1	0.087	0.295	0.1	0.2	0.73	0.908
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/73-11/01/79	3	2.	1.9	2.5	1.2	0.43	0.656	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/01/79-10/31/96	12	2.2	2.2	2.8	1.8	0.096	0.31	1.8	1.925	2.4	2.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/07/92	14	0.03	0.04	0.17	0.005	0.002	0.04	0.008	0.02	0.043	0.115
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/05/84-10/07/92	7 ##	0.005	0.008	0.02	0.005	0.	0.006	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/05/84-10/31/96	11 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.018
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	10/31/96-10/31/96	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/73-10/21/76	4	65.5	65.25	74.	56.	55.583	7.455	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/02/73-10/21/76	4	26.5	28.25	34.	26.	14.917	3.862	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0458

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/03/91	10	20.5	19.5	23.	14.	8.722	2.953	14.2	16.75	22.	22.9
00916	CALCIUM, TOTAL (MG/L AS CA)	05/04/70-10/03/72	3	17.	16.4	19.	13.2	8.68	2.946	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/03/91	10	6.35	6.27	7.5	5.2	0.567	0.753	5.2	5.65	6.85	7.45
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/04/70-10/03/72	3	5.1	5.033	5.2	4.8	0.043	0.208	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/04/70-10/03/72	3	6.5	6.5	7.5	5.5	1.	1.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	10	7.4	7.2	8.8	5.7	1.182	1.087	5.73	6.	8.15	8.75
00931	SODIUM ADSORPTION RATIO	10/02/73-10/21/76	4	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/02/73-10/21/76	4	16.5	16.25	17.	15.	0.917	0.957	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	10	2.	2.18	4.7	1.7	0.797	0.893	1.71	1.8	2.	4.43
00937	POTASSIUM, TOTAL MG/L AS K)	05/04/70-10/03/72	3	1.5	1.433	1.5	1.3	0.013	0.115	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/69-10/31/96	19	21.	20.105	31.	12.	26.877	5.184	13.	15.	24.	26.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/22/69-10/03/91	16	15.5	16.5	30.	11.	19.467	4.412	12.4	14.	17.75	23.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/02/73-10/03/91	7	0.1	0.214	0.8	0.1	0.068	0.261	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/03/91	11	19.	18.727	21.	14.	4.018	2.005	14.6	17.	20.	20.8
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/73-10/02/73	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/01/79-11/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/31/96-10/31/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/73-10/21/76	4 ##	1.	0.75	1.	0.	0.25	0.5	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/01/79-11/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/31/96-10/31/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/31/96-10/31/96	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/73-10/21/76	4 ##	0.	2.5	10.	0.	25.	5.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/04/70-11/01/79	4 ##	50.	46.25	75.	10.	722.917	26.887	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/73-10/21/76	4 ##	0.	0.5	2.	0.	1.	1.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/04/70-10/03/72	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/73-10/21/76	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/04/70-11/01/79	4 ##	125.	96.25	125.	10.	3306.25	57.5	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/31/96-10/31/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/04/70-10/02/73	4	345.	356.25	660.	75.	63222.917	251.442	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	9	100.	125.333	210.	60.	2312.25	48.086	60.	94.	165.	210.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/73-10/21/76	4 ##	1.5	1.25	2.	0.	0.917	0.957	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/01/79-11/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/31/96-10/31/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/31/96-10/31/96	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/70-10/02/73	4 ##	125.	111.25	125.	70.	756.25	27.5	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	9	43.	45.667	90.	23.	379.75	19.487	23.	31.5	52.	90.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/73-10/21/76	4	3.	3.	5.	1.	2.667	1.633	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/04/70-10/03/72	3 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/73-10/21/76	4 ##	15.	17.5	30.	10.	91.667	9.574	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/04/70-11/01/79	4 ##	15.	16.25	25.	10.	56.25	7.5	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/31/96-10/31/96	1	89.	89.	89.	89.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/05/84-10/03/91	6 ##	7.5	9.167	20.	5.	34.167	5.845	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	05/04/70-10/03/72	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/01/79-11/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/31/96-10/31/96	1	27000.	27000.	27000.	27000.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/22/69-10/02/73	6	595.	9367.75	43300.	0.5	297257583.175	17241.16	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/22/69-10/02/73	6	2.639	2.481	4.636	-0.301	3.369	1.836	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			302.751								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	3	1200.	1136.667	1580.	630.	228633.333	478.156	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/71-10/02/73	3	3.079	3.026	3.199	2.799	0.042	0.205	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1061.027								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/69-10/02/73	6	57.	339.167	1200.	0.5	255374.467	505.346	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/22/69-10/02/73	6	1.667	1.445	3.079	-0.301	2.205	1.485	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			27.85								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/09/87-10/31/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/09/87-10/31/96	2	2.	2.	2.	2.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/87-10/31/96	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: VAFO0458

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/09/87-10/31/96	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/09/87-10/31/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/09/87-10/31/96	2 ##	1.4	1.4	2.4	0.4	2.	1.414	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/09/87-10/31/96	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/09/87-10/31/96	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/74-10/08/85	5	123.	124.	137.	110.	116.5	10.794	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/73-10/21/76	4	103.	101.5	104.	96.	14.333	3.786	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/73-10/21/76	4	0.155	0.155	0.17	0.14	0.	0.013	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/22/69-10/21/76	9	0.02	0.021	0.05	0.01	0.	0.015	0.01	0.01	0.03	0.05
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/01/79-11/01/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/01/79-10/08/85	2	0.135	0.135	0.18	0.09	0.004	0.064	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/21/76-11/01/79	2	10.75	10.75	13.	8.5	10.125	3.182	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/01/79-11/01/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/31/96-10/31/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/04/70-10/03/72	3	12.	14.333	20.	11.	24.333	4.933	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/04/70-10/03/72	3	0.07	0.09	0.13	0.07	0.001	0.035	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/09/87-10/31/96	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: VAFO0458

				Total	Exceed	Prop.	----------9/01-1/14----------			----------1/15-4/10----------			----------4/11-8/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00	6	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	15	0	0.00									
00400	PH	Fresh Chronic	9.	21	0	0.00	18	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	21	1	0.05	18	1	0.06	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	0	0.00	6	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	11	0	0.00	11	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	3	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	12	0	0.00	12	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	16	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	19	0	0.00	16	0	0.00	1	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	0	0.00	13	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	7	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	4	0	0.00	2	0	0.00				2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: VAFO0458

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	5000.	4	0	0.00	2	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	3	0.50	3	2	0.67	1	0	0.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	2	2	1.00				1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 1/14 - Station VAFO0458

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/69-10/31/96	18	11.25	11.889	17.	7.	7.546	2.747	7.9	10.375	13.75	17.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/31/96	13	14.5	15.077	23.5	9.	26.952	5.192	9.2	10.	19.5	23.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/31/96	13	1.	1.631	4.	0.7	1.001	1.	0.74	0.85	2.	3.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/69-10/31/96	18	217.5	207.333	250.	135.	969.647	31.139	157.5	190.	232.75	240.1
00300	OXYGEN, DISSOLVED MG/L	10/23/74-10/31/96	15	11.2	11.227	12.6	10.2	0.559	0.748	10.26	10.6	11.9	12.3
00400	PH (STANDARD UNITS)	10/22/69-10/31/96	18	7.45	7.284	7.8	6.24	0.179	0.423	6.744	6.9	7.625	7.8
00400	CONVERTED PH (STANDARD UNITS)	10/22/69-10/31/96	18	7.447	7.05	7.8	6.24	0.237	0.486	6.744	6.9	7.625	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/22/69-10/31/96	18	0.036	0.089	0.575	0.016	0.017	0.13	0.016	0.024	0.126	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/73-10/05/93	12	41.	37.5	67.	0.	332.455	18.233	2.7	31.	48.75	62.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/84-10/31/96	11	0.01	0.02	0.06	0.005	0.	0.018	0.006	0.008	0.02	0.058
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/05/84-10/31/96	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/73-10/07/92	11	0.4	0.458	0.92	0.1	0.087	0.295	0.1	0.2	0.73	0.908
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/01/79-10/31/96	12	2.2	2.2	2.8	1.8	0.096	0.31	1.8	1.925	2.4	2.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/07/92	13	0.03	0.039	0.17	0.005	0.002	0.042	0.007	0.02	0.04	0.126
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/05/84-10/31/96	11 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.018
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/02/73-10/03/91	10	20.5	19.5	23.	14.	8.722	2.953	14.2	16.75	22.	22.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/02/73-10/03/91	10	6.35	6.27	7.5	5.2	0.567	0.753	5.2	5.65	6.85	7.45
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/02/73-10/03/91	10	7.4	7.2	8.8	5.7	1.182	1.087	5.73	6.	8.15	8.75
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/02/73-10/03/91	10	2.	2.18	4.7	1.7	0.797	0.893	1.71	1.8	2.	4.43
00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/69-10/31/96	16	19.5	19.875	26.	13.	19.85	4.455	13.7	15.5	24.	25.3
00945	SULFATE, TOTAL (MG/L AS SO4)	10/22/69-10/03/91	13	15.	16.308	30.	11.	23.064	4.803	11.8	13.5	17.	26.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/02/73-10/03/91	11	19.	18.727	21.	14.	4.018	2.005	14.6	17.	20.	20.8
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/74-10/03/91	9	100.	125.333	210.	60.	2312.25	48.086	60.	94.	165.	210.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/74-10/03/91	9	43.	45.667	90.	23.	379.75	19.487	23.	31.5	52.	90.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 1/15 to 4/10 - Station VAFO0458

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/69-10/31/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/31/96	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/31/96	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/69-10/31/96	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/22/69-10/31/96	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/22/69-10/31/96	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/22/69-10/31/96	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/69-10/31/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/22/69-10/03/91	1	17.	17.	17.	17.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/11 to 8/31 - Station VAFO0458

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/69-10/31/96	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/69-10/31/96	2	12.95	12.95	13.9	12.	1.805	1.344	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/69-10/31/96	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/69-10/31/96	2	138.	138.	165.	111.	1458.	38.184	**	**	**	**
00400	PH (STANDARD UNITS)	10/22/69-10/31/96	2	7.85	7.85	7.9	7.8	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/22/69-10/31/96	2	7.847	7.847	7.9	7.8	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/22/69-10/31/96	2	0.014	0.014	0.016	0.013	0.	0.002	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/71-10/07/92	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/69-10/31/96	2	16.5	16.5	21.	12.	40.5	6.364	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/22/69-10/03/91	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: VAFO0459

NPS Station ID: VAFO0459
LAT/LON: 40.118920/ -75.654309
Agency: 11NPSWRD
Date Created: 05/09/98
Location: PACH527R
FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): HOFU_NURE_2 /4069996
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02040203
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: DELAWARE RIVER-SCHUYLKILL
ECO Region:
RF1 Index: 02040203
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02040203001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
THE SITE IS LOCATED ON THE DOWNINGTON PA-CHESTER CO. 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE HOPEWELL FURNACE NATIONAL HISTORIC SITE PARK BOUNDARIES. THE SAMPLES WERE FILTERED THROUGH A LESS THAN OR EQUAL TO 0.8 UM FILTER AT THE SITE. DATA ARE FROM THE "U.S. GEOLOGICAL SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY SAVANNAH RIVER LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0459

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/77-06/27/77	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/77-06/27/77	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/77-06/27/77	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/77-06/27/77	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/77-06/27/77	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/77-06/27/77	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/77-06/27/77	1	10.52	10.52	10.52	10.52	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/27/77-06/27/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/77-06/27/77	1	219.	219.	219.	219.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/27/77-06/27/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/27/77-06/27/77	1	57.	57.	57.	57.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/27/77-06/27/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/27/77-06/27/77	1	47.	47.	47.	47.	0.	0.	**	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/27/77-06/27/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0459

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0460

NPS Station ID: VAFO0460 | LAT/LON: 40.102503/ -75.658698 | Agency: 11NPSWRD | Date Created: 05/09/98
Location: PACH529R | | FIPS State/County: 42029 PENNSYLVANIA/CHESTER |
Station Type: /TYPA/AMBNT/SPRING | | STORET Station ID(s): HOFU_NURE_4 /4069998 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 02040203 | Depth of Water: 0 | Aquifer: |
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id: |
Minor Basin: DELAWARE RIVER-SCHUYLKILL | | ECO Region: |
RF1 Index: 02040203 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02040203001700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:

Description:
THE SITE IS LOCATED ON THE DOWNINGTON PA-CHESTER CO. 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE HOPEWELL FURNACE NATIONAL HISTORIC SITE PARK BOUNDARIES. THE SAMPLES WERE FILTERED THROUGH A LESS THAN OR EQUAL TO 0.8 UM FILTER AT THE SITE. DATA ARE FROM THE "U.S. GEOLOGICAL SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY SAVANNAH RIVER LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: VAFO0460

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/77-06/27/77	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/77-06/27/77	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/77-06/27/77	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/77-06/27/77	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/77-06/27/77	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/27/77-06/27/77	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/27/77-06/27/77	1	12.41	12.41	12.41	12.41	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/27/77-06/27/77	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/77-06/27/77	1	215.	215.	215.	215.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/27/77-06/27/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/27/77-06/27/77	1	61.	61.	61.	61.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/27/77-06/27/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	06/27/77-06/27/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	06/27/77-06/27/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0460

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: VAFO0461

NPS Station ID: VAFO0461 LAT/LON: 40.101949/ -75.658892 Agency: 112WRD Date Created: / /
Location: UNNAMED TRIB TO PICKERING CR NR CHESTER SPS, PA. FIPS State/County: 42029 PENNSYLVANIA/CHESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 01472175
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02040203 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02040203 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02040203035009.50 RF3 Mile Point: 10.99 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: VAFO0461

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/67-06/19/68	19	6.	7.263	17.	1.	16.094	4.012	2.	5.	11.	13.
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/67-06/19/68	20	34.5	36.3	62.	4.	314.326	17.729	10.5	22.5	53.	61.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/68-04/14/68	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/14/68-04/14/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/14/68-04/14/68	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/68-04/14/68	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/68-04/14/68	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/68-04/14/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/14/68-04/14/68	1	77.	77.	77.	77.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/14/68-04/14/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/68-04/14/68	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/12/67-06/19/68	20	352.5	396.85	1200.	12.	94817.924	307.925	55.5	147.	604.	852.1
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/12/67-06/19/68	20	28.5	48.876	201.	0.11	2746.354	52.406	1.72	10.65	81.	138.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: VAFO0461

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire VAFO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	75	1	0.01	20	0	0.00	12	0	0.00	43	1	0.02			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	175	1	0.01	130	0	0.00	19	0	0.00	26	1	0.04			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1957	69	0.04	273	50	0.18	556	0	0.00	1128	19	0.02			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1034	4	0.00	546	2	0.00	166	0	0.00	322	2	0.01			
00400	PH	Fresh Chronic	9.	837	9	0.01	454	2	0.00	135	1	0.01	248	6	0.02			
		Other-Lo Lim.	6.5	837	47	0.06	454	28	0.06	135	6	0.04	248	13	0.05			
00403	PH, LAB	Fresh Chronic	9.	1227	7	0.01	440	1	0.00	202	3	0.01	585	3	0.01			
		Other-Lo Lim.	6.5	1227	93	0.08	440	22	0.05	202	16	0.08	585	55	0.09			
00406	PH, FIELD	Fresh Chronic	9.	495	5	0.01	214	0	0.00	62	0	0.00	219	5	0.02			
		Other-Lo Lim.	6.5	495	11	0.02	214	2	0.01	62	4	0.06	219	5	0.02			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	199	0	0.00	179	0	0.00	3	0	0.00	17	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1050	2	0.00	393	0	0.00	202	0	0.00	455	2	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	54	1	0.02	38	1	0.03	6	0	0.00	10	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	753	4	0.01	334	1	0.00	111	0	0.00	308	3	0.01			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	505	8	0.02	187	8	0.04	113	0	0.00	205	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	206	1	0.00	186	1	0.01	3	0	0.00	17	0	0.00			
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	14	0	0.00	8	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	200.	14	0	0.00	8	0	0.00	4	0	0.00	2	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	13 &	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	0.2	13 &	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
00723	CYANIDE, DISSOLVED STD METHOD	Fresh Acute	22.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	200.	8	0	0.00	4	0	0.00	4	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1686	2	0.00	672	0	0.00	256	0	0.00	758	2	0.00			
		Drinking Water	250.	1686	11	0.01	672	5	0.01	256	0	0.00	758	6	0.01			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	29	0	0.00	16	0	0.00	2	0	0.00	11	0	0.00			
		Drinking Water	250.	29	0	0.00	16	0	0.00	2	0	0.00	11	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1324	6	0.00	558	0	0.00	246	3	0.01	520	3	0.01			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	24	0	0.00	16	0	0.00	2	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	189	1	0.01	157	1	0.01	10	0	0.00	22	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	428	0	0.00	103	0	0.00	121	0	0.00	204	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	120	0	0.00	87	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	50.	120	0	0.00	87	0	0.00	9	0	0.00	24	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	106	0	0.00	39	0	0.00	18	0	0.00	49	0	0.00			
		Drinking Water	50.	106	0	0.00	39	0	0.00	18	0	0.00	49	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	20	0	0.00	19	0	0.00				1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	19	0	0.00	16	0	0.00	3	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	18	0	0.00	17	0	0.00				1	0	0.00			
		Drinking Water	4.	18	0	0.00	17	0	0.00				1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	4.	2 &	0	0.00	2	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	272 &	7	0.03	173	7	0.04	47	0	0.00	52	0	0.00			
		Drinking Water	5.	272 &	5	0.02	173	5	0.03	47	0	0.00	52	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	42	0	0.00	1	0	0.00	30	0	0.00	11	0	0.00			
		Drinking Water	5.	42	0	0.00	1	0	0.00	30	0	0.00	11	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	351 &	15	0.04	120	5	0.04	57	0	0.00	174	10	0.06			
		Drinking Water	5.	351 &	13	0.04	120	5	0.04	57	0	0.00	174	8	0.05			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	218	0	0.00	152	0	0.00	37	0	0.00	29	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	41	0	0.00	1	0	0.00	29	0	0.00	11	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	133	0	0.00	48	0	0.00	17	0	0.00	68	0	0.00			
		Drinking Water	100.	133	0	0.00	48	0	0.00	17	0	0.00	68	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	406 &	0	0.00	145	0	0.00	73	0	0.00	188	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	278 &	9	0.03	171	5	0.03	46	3	0.07	61	1	0.02			
		Drinking Water	1300.	284	0	0.00	173	0	0.00	50	0	0.00	61	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	50	12	0.24	1	0	0.00	33	10	0.30	16	2	0.13			
		Drinking Water	1300.	50	0	0.00	1	0	0.00	33	0	0.00	16	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	370 &	84	0.23	126	19	0.15	71	20	0.28	173	45	0.26			
		Drinking Water	1300.	422	0	0.00	150	0	0.00	74	0	0.00	198	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	284	7	0.02	176	7	0.04	50	0	0.00	58	0	0.00			
		Drinking Water	15.	284	10	0.04	176	10	0.06	50	0	0.00	58	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	50	3	0.06	1	0	0.00	33	3	0.09	16	0	0.00			
		Drinking Water	15.	50	24	0.48	1	0	0.00	33	21	0.64	16	3	0.19			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire VAFO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	387	6	0.02	129	3	0.02	73	3	0.04	185	0	0.00			
		Drinking Water	15.	349 &	41	0.12	124	13	0.10	63	23	0.37	162	5	0.03			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	271	0	0.00	168	0	0.00	47	0	0.00	56	0	0.00			
		Drinking Water	100.	271	0	0.00	168	0	0.00	47	0	0.00	56	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	42	0	0.00	1	0	0.00	30	0	0.00	11	0	0.00			
		Drinking Water	100.	42	0	0.00	1	0	0.00	30	0	0.00	11	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	395	0	0.00	135	0	0.00	67	0	0.00	193	0	0.00			
		Drinking Water	100.	361 &	5	0.01	113	3	0.03	67	0	0.00	181	2	0.01			
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI	Fresh Acute	1400.	6	0	0.00	4	0	0.00				2	0	0.00			
		Drinking Water	100.	0 &	0	0.00												
01075	SILVER, DISSOLVED	Fresh Acute	4.1	87	0	0.00	53	0	0.00	9	0	0.00	25	0	0.00			
		Drinking Water	100.	87	0	0.00	53	0	0.00	9	0	0.00	25	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	54 &	0	0.00	21	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	100.	57	0	0.00	21	0	0.00	10	0	0.00	26	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	278	5	0.02	175	3	0.02	47	2	0.04	56	0	0.00			
		Drinking Water	5000.	278	0	0.00	175	0	0.00	47	0	0.00	56	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	42	7	0.17	1	0	0.00	30	6	0.20	11	1	0.09			
		Drinking Water	5000.	42	0	0.00	1	0	0.00	30	0	0.00	11	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	812 &	25	0.03	252	7	0.03	183	10	0.05	377	8	0.02			
		Drinking Water	5000.	814	0	0.00	253	0	0.00	183	0	0.00	378	0	0.00			
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN	Fresh Acute	120.	7	0	0.00	5	0	0.00				2	0	0.00			
		Drinking Water	5000.	7	0	0.00	5	0	0.00				2	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	2	0	0.00	2	0	0.00									
		Drinking Water	6.	2	0	0.00	2	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	6.	0 &	0	0.00												
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU	Fresh Acute	18.	2 &	1	0.50	2	1	0.50									
		Drinking Water	1300.	7	0	0.00	5	0	0.00				2	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	57	0	0.00	24	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	50.	57	0	0.00	24	0	0.00	9	0	0.00	24	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	62 &	0	0.00	29	0	0.00	9	0	0.00	24	0	0.00			
		Drinking Water	50.	65	0	0.00	29	0	0.00	10	0	0.00	26	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	7	0	0.00	2	0	0.00				5	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	81 &	55	0.68	47	40	0.85	12	3	0.25	22	12	0.55			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	129	98	0.76	31	22	0.71	25	10	0.40	73	66	0.90			
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	425	273	0.64	113	63	0.56	108	30	0.28	204	180	0.88			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	4 &	4	1.00							4	4	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	224	126	0.56	87	47	0.54	41	11	0.27	96	68	0.71			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	18	0	0.00				1	0	0.00	17	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	18	0	0.00				1	0	0.00	17	0	0.00			
		Drinking Water	5.	18	0	0.00				1	0	0.00	17	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	10	0	0.00				1	0	0.00	9	0	0.00			
		Drinking Water	5.	10	0	0.00				1	0	0.00	9	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	18	0	0.00				1	0	0.00	17	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	10	0	0.00				1	0	0.00	9	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	88	0	0.00	21	0	0.00	14	0	0.00	53	0	0.00			
		Drinking Water	100.	88	0	0.00	21	0	0.00	14	0	0.00	53	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	10	0	0.00				1	0	0.00	9	0	0.00			
		Drinking Water	1000.	10	0	0.00				1	0	0.00	9	0	0.00			
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	3	0	0.00				1	0	0.00	2	0	0.00			
34210	ACROLEIN, TOTAL	Fresh Acute	68.	3	0	0.00				1	0	0.00	2	0	0.00			
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	3	0	0.00				1	0	0.00	2	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	18	0	0.00				1	0	0.00	17	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	8	0	0.00							8	0	0.00			
34346	1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	3	0	0.00				1	0	0.00	2	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	3	0	0.00				1	0	0.00	2	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	3	0	0.00				1	0	0.00	2	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	67	0	0.00	18	0	0.00	1	0	0.00	48	0	0.00			
		Drinking Water	700.	67	0	0.00	18	0	0.00	1	0	0.00	48	0	0.00			

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EPA Water Quality Criteria Analysis for Entire VAFO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	9/01-1/14 Obs	9/01-1/14 Exceed	9/01-1/14 Prop.	1/15-4/10 Obs	1/15-4/10 Exceed	1/15-4/10 Prop.	4/11-8/31 Obs	4/11-8/31 Exceed	4/11-8/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	3	0	0.00				1	0	0.00	2	0	0.00			
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	3	0	0.00				1	0	0.00	2	0	0.00			
34403	INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	3	0	0.00				1	0	0.00	2	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	67	2	0.03	18	0	0.00	1	0	0.00	48	2	0.04			
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	3	0	0.00				1	0	0.00	2	0	0.00			
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	3	0	0.00				1	0	0.00	2	0	0.00			
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	3	0	0.00				1	0	0.00	2	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	104	0	0.00	33	0	0.00	14	0	0.00	57	0	0.00			
		Drinking Water	5.	104	10	0.10	33	4	0.12	14	1	0.07	57	5	0.09			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	39	1	0.03	3	0	0.00	14	1	0.07	22	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	88	1	0.01	21	0	0.00	14	0	0.00	53	1	0.02			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	17	0	0.00				1	0	0.00	16	0	0.00			
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	8	0	0.00							8	0	0.00			
		Drinking Water	5.	8	0	0.00							8	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	16	0	0.00	12	0	0.00	1	0	0.00	3	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	18	0	0.00				1	0	0.00	17	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	18	1	0.06				1	0	0.00	17	1	0.06			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	3	0	0.00				1	0	0.00	2	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	8	0	0.00				1	0	0.00	7	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	20	0	0.00	12	0	0.00	1	0	0.00	7	0	0.00			
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	3	0	0.00				1	0	0.00	2	0	0.00			
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	3	0	0.00				1	0	0.00	2	0	0.00			
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	3	0	0.00				1	0	0.00	2	0	0.00			
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	3	0	0.00				1	0	0.00	2	0	0.00			
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	3	0	0.00				1	0	0.00	2	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	3	0	0.00				1	0	0.00	2	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	6.	3	0	0.00				1	0	0.00	2	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	15 &	0	0.00							15	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	108	0	0.00	33	0	0.00	14	0	0.00	61	0	0.00			
		Drinking Water	5.	108	52	0.48	33	14	0.42	14	10	0.71	61	28	0.46			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00				1	0	0.00	6	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00				1	0	0.00	2	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00				1	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	26	0	0.00	8	0	0.00	8	0	0.00	10	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	0.2	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	2.	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	21	0	0.00	10	0	0.00	7	0	0.00	4	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	19 &	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	2.	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	3.	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	26	0	0.00	8	0	0.00	8	0	0.00	10	0	0.00			
		Drinking Water	0.4	26	0	0.00	8	0	0.00	8	0	0.00	10	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	0.2	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	3	0	0.00				1	0	0.00	2	0	0.00			

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EPA Water Quality Criteria Analysis for Entire VAFO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------9/01-1/14---------- Obs	Exceed	Prop.	----------1/15-4/10---------- Obs	Exceed	Prop.	----------4/11-8/31---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	271	156	0.58	91	45	0.49	14	1	0.07	166	110	0.66			
61215	FECAL COLIFORM, GENERAL #/100ML	Other-Hi Lim.	200.	270	81	0.30	112	37	0.33	20	6	0.30	138	38	0.28			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	307	0	0.00	90	0	0.00	13	0	0.00	204	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	113	1	0.01	41	1	0.02	22	0	0.00	50	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	382	218	0.57	122	64	0.52	20	5	0.25	240	149	0.62			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	19	0	0.00	19	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	124	0	0.00	75	0	0.00	9	0	0.00	40	0	0.00			
		Drinking Water	2.	124	0	0.00	75	0	0.00	9	0	0.00	40	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	269	0	0.00	109	0	0.00	25	0	0.00	135	0	0.00			
		Drinking Water	2.	269	0	0.00	109	0	0.00	25	0	0.00	135	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	22	0	0.00	3	0	0.00	13	0	0.00	6	0	0.00			
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	226	7	0.03							226	7	0.03			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	366	6	0.02	143	4	0.03	53	1	0.02	170	1	0.01			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

No STORET Data Within the VAFO Study Area Exist for These Groups:

Chlorophyll*

*Not A Priority Parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the VAFO Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1303	676	329	298	238
00435	ACIDITY, TOTAL (MG/L AS CACO3)	4	3	1	0	4
00440	BICARBONATE ION (MG/L AS HCO3)	156	0	35	121	23
00445	CARBONATE ION (MG/L AS CO3)	123	0	31	92	22
		1586	679	396	511	287(238)[1]

pH		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	837	243	261	333	72
00403	PH, LAB (STANDARD UNITS)	1227	778	381	68	148
00406	PH, FIELD (STANDARD UNITS)	495	447	32	16	143
		2559	1468	674	417	363(286)[1]

Conductivity		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	737	493	214	30	108
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1172	406	427	339	160
		1909	899	641	369	268(251)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	1957	1918	21	18	163
00300	OXYGEN, DISSOLVED (MG/L)	1034	618	260	156	82
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	75	75	0	0	6
		3066	2611	281	174	251(245)[1]

Water Temperature		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3587	2677	435	475	289
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	461	461	0	0	4
		4048	3138	435	475	293(293)[1]

Flow		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00058	FLOW RATE, GALLONS/MIN.	9	0	0	9	3
00060	FLOW, STREAM, MEAN DAILY CFS	332	69	49	214	14
00061	FLOW, STREAM, INSTANTANEOUS CFS	541	279	194	68	77
00065	STAGE, STREAM (FEET)	633	452	180	1	14
		1515	800	423	292	108 (85)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	75	0	36	39	6
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	175	87	88	0	21
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	339	227	86	26	117
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	226	226	0	0	9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	366	301	65	0	71
		1181	841	275	65	224(149)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	103	42	59	2	31
00602	NITROGEN, DISSOLVED (MG/L AS N)	42	9	33	0	15
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	127	0	71	56	17
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	18	0	17	1	11
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	199	125	73	1	28
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1066	675	265	126	200
00612	AMMONIA, UNIONZED (MG/L AS N)	404	286	97	21	12
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	54	0	31	23	20
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	753	328	267	158	157
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	126	79	46	1	16
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	765	570	165	30	85
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	505	297	160	48	36
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	206	125	80	1	28
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	17	0	17	0	12
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	23	0	22	1	12
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	307	307	0	0	44
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	113	0	18	95	23
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	382	382	0	0	49
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	19	0	18	1	12
		5229	3225	1439	565	808(251)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	46	8	9	29	24
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	73	16	18	39	30
00665	PHOSPHORUS, TOTAL (MG/L AS P)	798	390	290	118	146
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	123	80	43	0	13
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	686	474	170	42	44
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	141	1	64	76	19
		1867	969	594	304	276(206)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1150	603	356	191	156
00945	SULFATE, TOTAL (MG/L AS SO4)	1324	677	399	248	154
00946	SULFATE, DISSOLVED (MG/L AS SO4)	24	2	8	14	9
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	702	335	240	127	63
		3200	1617	1003	580	382(188)[1]

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Bacteria		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	41	26	10	5	24
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	82	5	5	72	22
31503	COLIFORM, TOT, MEMBRANE FILTER,DELAY,M-ENDOMED,35C	129	23	75	31	11
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	1	0	1	0	1
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	425	307	100	18	21
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	5	2	3	0	5
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	224	68	117	39	25
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	452	307	114	31	24
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	5	2	3	0	5
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	133	111	17	5	50
61215	FECAL COLIFORM, GENERAL #/100ML	270	238	27	5	103
		1767	1089	472	206	291(153)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	2	2	0	0	2
01097	ANTIMONY, TOTAL (UG/L AS SB)	3	0	3	0	3
01000	ARSENIC, DISSOLVED (UG/L AS AS)	120	76	35	9	23
01002	ARSENIC, TOTAL (UG/L AS AS)	106	76	27	3	27
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	18	18	0	0	6
01012	BERYLLIUM, TOTAL (UG/L AS BE)	5	0	3	2	5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	273	123	126	24	46
01026	CADMIUM, SUSPENDED (UG/L AS CD)	42	0	42	0	4
01027	CADMIUM, TOTAL (UG/L AS CD)	763	552	198	13	122
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	218	69	125	24	45
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	41	0	41	0	4
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	133	129	4	0	26
01034	CHROMIUM, TOTAL (UG/L AS CR)	407	256	105	46	118
01040	COPPER, DISSOLVED (UG/L AS CU)	284	126	134	24	46
01041	COPPER, SUSPENDED (UG/L AS CU)	50	0	50	0	4
01042	COPPER, TOTAL (UG/L AS CU)	422	266	117	39	123
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7	0	1	6	3
01049	LEAD, DISSOLVED (UG/L AS PB)	284	123	135	26	46
01050	LEAD, SUSPENDED (UG/L AS PB)	50	0	50	0	4
01051	LEAD, TOTAL (UG/L AS PB)	387	267	116	4	119
71890	MERCURY, DISSOLVED (UG/L AS HG)	124	89	34	1	24
71900	MERCURY, TOTAL (UG/L AS HG)	269	239	28	2	70
01065	NICKEL, DISSOLVED (UG/L AS NI)	271	121	124	26	38
01066	NICKEL, SUSPENDED (UG/L AS NI)	42	0	42	0	4
01067	NICKEL, TOTAL (UG/L AS NI)	395	256	100	39	118
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	6	0	0	6	2
01145	SELENIUM, DISSOLVED (UG/L AS SE)	57	56	0	1	4
01147	SELENIUM, TOTAL (UG/L AS SE)	65	54	11	0	12
01075	SILVER, DISSOLVED (UG/L AS AG)	87	77	9	1	11
01077	SILVER, TOTAL (UG/L AS AG)	57	54	3	0	4
01059	THALLIUM, TOTAL (UG/L AS TL)	3	0	3	0	3
01090	ZINC, DISSOLVED (UG/L AS ZN)	278	126	127	25	46
01091	ZINC, SUSPENDED (UG/L ZN)	42	0	42	0	4
01092	ZINC, TOTAL (UG/L AS ZN)	814	553	201	60	126
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7	0	1	6	3
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	14	14	0	0	10
00720	CYANIDE, TOTAL (MG/L AS CN)	16	11	4	1	13
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	8	0	8	0	7
34210	ACROLEIN, TOTAL (UG/L)	3	0	3	0	3
34215	ACRYLONITRILE, TOTAL (UG/L)	3	0	3	0	3
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	10	6	4	0	9
32104	BROMOFORM, WHOLE WATER, (UG/L)	18	13	5	0	16
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	18	13	5	0	16
34301	CHLOROBENZENE, TOTAL (UG/L)	18	13	5	0	16
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	10	6	4	0	9
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	8	7	1	0	7
34311	CHLOROETHANE, TOTAL (UG/L)	16	12	4	0	15
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	16	12	4	0	15
32106	CHLOROFORM, WHOLE WATER (UG/L)	88	83	5	0	65
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	18	13	5	0	16
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	39	34	5	0	30
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	10	6	4	0	9
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	8	7	1	0	7
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	39	34	5	0	30
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	18	13	5	0	16

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	12	12	0	0	12
34371	ETHYLBENZENE, TOTAL (UG/L)	67	62	5	0	51
34413	METHYL BROMIDE, TOTAL (UG/L)	15	12	3	0	15
34418	METHYL CHLORIDE, TOTAL (UG/L)	3	0	3	0	3
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	67	62	5	0	51
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	88	83	5	0	65
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	104	99	5	0	81
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	10	6	4	0	9
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	18	13	5	0	16
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	17	12	5	0	15
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	17	12	5	0	15
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	108	103	5	0	82
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	16	13	3	0	16
34586	2-CHLOROPHENOL, TOTAL (UG/L)	3	0	3	0	3
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	3	0	3	0	3
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	3	0	3	0	3
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	3	0	3	0	3
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	3	0	3	0	3
34591	2-NITROPHENOL, TOTAL (UG/L)	3	0	3	0	3
34646	4-NITROPHENOL, TOTAL (UG/L)	3	0	3	0	3
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	3	0	3	0	3
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	3	0	3	0	3
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	3	0	3	0	3
34205	ACENAPHTHENE, TOTAL (UG/L)	3	0	3	0	3
34200	ACENAPHTHYLENE, TOTAL (UG/L)	3	0	3	0	3
34220	ANTHRACENE, TOTAL (UG/L)	3	0	3	0	3
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	3	0	3	0	3
34247	BENZO-A-PYRENE, TOTAL (UG/L)	3	0	3	0	3
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	3	0	3	0	3
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	3	0	3	0	3
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	3	0	3	0	3
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	3	0	3	0	3
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	3	0	3	0	3
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	3	0	3	0	3
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	3	0	3	0	3
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	3	0	3	0	3
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	3	0	3	0	3
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	3	0	3	0	3
34320	CHRYSENE, TOTAL (UG/L)	3	0	3	0	3
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	3	0	3	0	3
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	16	13	3	0	16
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	8	5	3	0	8
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	20	17	3	0	17
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	3	0	3	0	3
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	3	0	3	0	3
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	3	0	3	0	3
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	2	0	2	0	2
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	3	0	3	0	3
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	3	0	3	0	3
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	3	0	3	0	3
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	3	0	3	0	3
34376	FLUORANTHENE, TOTAL (UG/L)	3	0	3	0	3
34381	FLUORENE, TOTAL (UG/L)	3	0	3	0	3

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/30/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	3	0	3	0	3
34396	HEXACHLOROETHANE, TOTAL (UG/L)	3	0	3	0	3
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	3	0	3	0	3
34408	ISOPHORONE, TOTAL (UG/L)	3	0	3	0	3
34696	NAPHTHALENE, TOTAL (UG/L)	3	0	3	0	3
34447	NITROBENZENE, TOTAL (UG/L)	3	0	3	0	3
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	3	0	3	0	3
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	3	0	3	0	3
34461	PHENANTHRENE, TOTAL (UG/L)	3	0	3	0	3
34469	PYRENE, TOTAL (UG/L)	3	0	3	0	3
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	3	0	3	0	3
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	26	4	22	0	14
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	3	0	3	0	3
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	19	16	3	0	16
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	22	0	22	0	10
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	3	0	3	0	3
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	22	0	22	0	10
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	7	4	3	0	7
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	21	0	19	2	9
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	21	0	19	2	9
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	19	0	19	0	7
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	3	0	3	0	3
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	3	0	3	0	3
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	15	12	3	0	15
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	26	4	22	0	14
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	3	0	3	0	3
34671	PCB - 1016, TOTAL (UG/L)	3	0	3	0	3
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	10
		7576	4569	2615	392	2374(213)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	1586	679	42.8	238	54.1	6.7	09/25/26-12/30/98	21.9
pH	2559	1468	57.4	286	65.0	8.9	05/25/50-12/30/98	52.7
Conductivity	1909	899	47.1	251	57.0	7.6	05/25/50-12/30/98	39.3
Dissolved Oxygen	3066	2611	85.2	245	55.7	12.5	06/27/68-12/30/98	100.5
Water Temperature	4048	3138	77.5	293	66.6	13.8	09/25/26-12/30/98	56.0
Flow	1515	800	52.8	85	19.3	17.8	05/25/50-12/15/98	31.2
Clarity/Turbidity	1181	841	71.2	149	33.9	7.9	06/25/69-12/30/98	40.0
Nitrate/Nitrogen	5229	3225	61.7	251	57.0	20.8	09/25/26-12/30/98	72.4
Phosphate/Phosphorus	1867	969	51.9	206	46.8	9.1	08/07/67-12/30/98	59.5
Chlorophyll	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Sulfates/Total Dissolved Solids/Hardness	3200	1617	50.5	188	42.7	17.0	09/25/26-12/30/98	44.3
Bacteria	1767	1089	61.6	153	34.8	11.5	10/22/69-04/14/98	62.0
Toxic Elements	7576	4569	60.3	213	48.4	35.6	01/11/70-12/30/98	261.5

Water Quality Observations
Outside STORET Edit Criteria for VAFO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
VAFO0005	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	810422	1330	20.0000000	11131DWQ	DEL 082	
VAFO0008	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	950823	0910	1129.0000000	11NPSWRD	VAFO_NPS_PORT	
VAFO0016	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	950802	1400	1028.0000000	11NPSWRD	VAFO_NPS_LAMB	
VAFO0032	00665	PHOSPHORUS, TOTAL (MG/L AS P)	730813	1450	16.5800000	112WRD	01473140	
VAFO0035	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	950719	1120	1138.0000000	11NPSWRD	VAFO_NPS_FAWN	
VAFO0050	00310	BOD, 5 DAY, 20 DEG C MG/L	690714	1215	1600.0000000	112WRD	01473170	
VAFO0050	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	700325	1030	-62.0000000	112WRD	01473170	X
VAFO0050	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	700430	1515	-210.0000000	112WRD	01473170	X
VAFO0050	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	700526	1445	-100.0000000	112WRD	01473170	X
VAFO0050	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	730703	1145	2800.0000000	112WRD	01473170	
VAFO0050	01045	IRON, TOTAL (UG/L AS FE)	700203	1625	118000.0000000	112WRD	01473170	
VAFO0115	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	831021	0900	75.0000000	112WRD	01473167	X
VAFO0123	00405	CARBON DIOXIDE (MG/L AS CO2)	781027	1300	102.0000000	112WRD	01473168	
VAFO0140	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	720607	1400	87.7500000	11131DWQ	DEL 171	
VAFO0155	01056	MANGANESE, DISSOLVED (UG/L AS MN)	811023	1200	12000.0000000	112WRD	014721612	
VAFO0159	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	810423	1315	20.0000000	11131DWQ	DEL 84A	
VAFO0207	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	810312	1710	20.0000000	11131DWQ	DEL 84B	
VAFO0269	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	860130		-4.6000000	11NPSWRD	VAFO_CCHD_378	
VAFO0433	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	721206	1600	850.0000000	112WRD	01472157	
VAFO0444	01027	CADMIUM, TOTAL (UG/L AS CD)	960924		700.0000000	11NPSWRD	VAFO_CCHD_393	

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) VAFOTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) VAFOSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) VAFOAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) VAFOAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) VAFOOV0.DOC - Overview of park and retrieved data.

(e) VAFOOV1.DOC - Station period of record table.

(f) VAFOOV2.DOC - Parameter period of record table.

(g) VAFOOV3.DOC - Station/parameter period of record table.

(h) VAFOINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) VAFOSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) VAFOEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) VAFOIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) VAFOBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document VAFOOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\VAFOOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) VAFOFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station VAFO0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station VAFO0001) is in the subirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) VAFOPARM.ZIP

This file compresses VAFOPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) VAFOSITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

(a) VAFOWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) VAFOIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) VAFODRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) VAFOGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) VAFODAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) VAFOMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

(a) VAFOEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) VAFOTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.

(c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.

(d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.

(e) VAFOREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) VAFOWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (VAFOWQA, VAFOWQB, VAFOWQC, etc.) and the index map name will end with an ampersand (&).

(g) VAFOIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (VAFOIDGA, VAFOIDGB, VAFOIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.

(h) VAFOSEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with VAFOFIGS.ZIP and VAFOTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in VAFOMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) VAFORF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

(a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

(d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) VAFOWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: VAFOPARM.DBF in VAFOPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: VAFOPARM.DBF in VAFOPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: VAFOPARM.DBF in VAFOPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: VAFOWQ.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: VAFOWQ.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: VAFOIFD.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: VAFOIFD.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: VAFOIFD.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Drinking Water Intakes File: VAFODRIN.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: VAFODRIN.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

Drinking Water Intakes File: VAFODRIN.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: VAFOGAGE.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: VAFOGAGE.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: VAFODAMS.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: VAFODAMS.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: VAFODAMS.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: VAFODAMS.DBF in VAFOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VAFORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VAFORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VAFORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in VAFORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in VAFORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

Catalog Unit Boundary File: 12345678.CUB in VAFORF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20[c]			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20[c]			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20[c]			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020[c]			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20[c]			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[P]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[P]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250[s]			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20[c]			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300[a]	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[t]	TURBIDITY, FIELD	NTU	Physical
	82079				50[t]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130*	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9+	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18+	1300[a]	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82+	15[a]	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440020	82715	1400+	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1+	100[s]	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120+	5000[s]	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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