

JEAN LAFITTE NATIONAL HISTORICAL PARK AND PRESERVE
JONES POINT, NATIONAL PARK SERVICE
PRELIMINARY ASSESSMENT / SITE INSPECTION
OCTOBER 2010

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The Company that Helps put

Government & Industry in Harmony with the Environment

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JEAN LAFITTE NATIONAL HISTORICAL PARK AND PRESERVE

MARRERO, LOUISIANA

PRELIMINARY ASSESSMENT / SITE INSPECTION

FORMER JONES POINT SHIPYARD SITE

OCTOBER 2010

PREPARED BY:

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1.0 EXECUTIVE SUMMARY

In a series of discussions that took place in September 2009 QRI and the National Park Service (NPS) considered a variety of alternatives to assess site conditions at the former Jones Point Shipyard site. Originally QRI proposed delineating the site and conducting a formal risk assessment by installing 30 borings to 20-feet below ground surface (BGS) using a Membrane Interface Probe, (MIP). In consideration of NPS budgetary constraints QRI proposed a modified, tiered, scope which included installation of 18 borings to 6-feet BGS and screening the resulting analytical data against Louisiana Department of Environmental Quality's (LDEQs) risk-based screening standards. The data that QRI proposed to collect would provide sufficient site information to determine if another site investigation phase would be necessary to delineate any contamination on the site.

In October 2009 the National Park Service contracted Quaternary Resource Investigations, LLC's (QRI) to conduct a modified Preliminary Assessment/Site Investigation (PA/SI) at the Jones Point former shipyard facility, and a sonar survey of the channel to locate near shore underwater debris and obstacles. The Preliminary Assessment portion of a PA/SI constitutes a review of information about a site and its surrounding area. A Preliminary Assessment is designed to determine whether a site poses a threat to human health and the environment and if it does pose a threat, whether the threat requires further investigation to assess the nature and extent of contamination in potentially impacted media (surface, soil, groundwater, etc.). The Site Investigation portion of a PA/SI typically involves collecting environmental samples to identify hazardous substances at a site and if present, whether these substances are being released to the environment. Site Investigation's are typically conducted in multiple stages.

The scope of work that resulted in the completion of this modified PA/SI included a review of reasonably ascertainable environmental records, a review of historic imagery, installation of soil borings, collection/analysis of soil and water for analytical testing, screening of the data against LDEQs risk-based screening standards, and a 1-day sonar survey of the channel.

The Preliminary Assessment indicated:

- Prior to the National Park Service (NPS) acquiring the land as two separate tracts in 1983 and 1991 the site was an active shipyard facility. A former microwave tower site is currently under construction as a future NPS office location. No other industrial uses were documented on the property.
- Based on the review of the various state and federal database information and historical data, the former shipyard operations at the site may constitute an historical recognized environmental condition (HREC).

Based upon the two Site Investigations QRI noted the following:

- Numerous solid waste debris piles are presently scattered throughout the site. The debris consists primarily of railroad ties, electronic goods, household garbage, commercial wastes (tires, empty aerosol cans, etc), empty and damaged metal containers, and construction debris.
- Constituents of Concern (COCs) were detected in subsurface soils. The quantities of these COCs were screened against risk-based human and ecological health standards published by the Louisiana Department of Environmental Quality (LDEQ). The quantities

of COCs in soil were less than the most conservative risk-based standards, non-industrial land use, which indicates that the COCs that are present on the site are present in quantities that do not pose a risk to human health or the environment.

- One of the sediment samples, SED-02, contained five (5) COCs in quantities that exceeded non industrial screening standards. Two (2) of those COCs also exceeded the next screening tier for Industrial/commercial land use. These sediments must be remediated.
- None of the groundwater or surface water samples collected from the site contained COCs in quantities that exceeded residential land use standards.
- Removing debris and, where necessary, abating portions of the site will likely be problematic and time-consuming because of the dense vegetation covering the site and because the contents of all of the debris piles are unpredictable.
- The potential for contamination of each debris pile can only be accurately assessed at the time of excavation. When excavation reveals materials suspected of being contaminated, environmental samples must be collected and submitted to an accredited laboratory for analytical testing.

Underwater Debris Assessment:

- A survey of the waterway adjacent to Jones Point and the waterway surrounding Isle Bonne identified miscellaneous debris, including pipe and cable debris, and a SONAR signature suggesting the hull of a sunken vessel.

Based upon the data and site observations, QRI makes the following recommendations:

- Analytical results from sample SED-02 indicated that the soil sample contained COCs in excess of industrial/commercial land use standards, therefore this area must be remediated. Additionally, once areas are exposed during site clearing, other areas may require remediation if analytical testing so indicates.
- The contents of the debris/waste piles should be segregated and disposed of in appropriate landfills.
- Underwater obstructions identified on the acoustic imaging survey should be removed to eliminate potential hazards to barges and boats using the waterway.

2.0 INTRODUCTION

In November 2009, QRI conducted a modified Preliminary Assessment / Site Inspection (PA/SI) at the Jean Lafitte National Historical Park and Preserve (NPS), Jones Point site. The purpose of this site investigation work was to:

- Review historic information about the site;
- Conduct a site inspection to locate and map debris materials including wood pilings, concrete, construction debris, fencing, tanks, and household trash;
- Collect soil, groundwater, sediment, and surface water samples for laboratory analysis to assess environmental contamination;
- Conduct a water bottom sonar survey to identify near shore underwater debris and/or

irregular subsurface features in the proximity of the site and nearby Isle Bonne; and

- Report findings of the PA/SI.

2.1 Site Description

The subject property is located at the terminus of Louisiana Highway 301 (La. Hwy 301), or Isle Bonne Road in the southwest section of the Barataria Preserve, Jefferson Parish, Louisiana. General location coordinates for the entrance to the subject property are: Latitude 29° 44' 43.13" North, Longitude 90° 8' 16.11" West. A site vicinity map depicting the location of the subject property is presented in ***Figure 1***. The property is divided into two portions. The first portion is the 42-acre former Jones Point Shipyard; the second is the 10-acre Isle Bonne area. The subject property is located at an average elevation of 1-foot above sea level, as interpreted from the United States Geological Survey (USGS) "Barataria, LA", 1973, Topographic Map.

2.2 Current Uses of the Property

The subject property is located at the terminus of La. Hwy 301 in the southwest section of the Barataria Preserve *(**Figure 2**).* Near the entrance gate to the property is an area that has been cleared and somewhat developed for future improvements. The remainder of the property is wooded and heavily vegetated.

2.3 Past Uses of the Property

Prior to the NPS acquiring the land in 1983 and in 1991 as two separate tracts, the site was an active shipyard facility. A microwave tower was once located at the entrance to the site. Currently this area is cleared, subsurface utilities are in place, and the site is covered with shell. No other industrial uses were documented on the property.

3.0 ENVIRONMENTAL RECORD SOURCES

QRI reviewed federal and state environmental databases obtained from Environmental Data Resources (EDR) for any information pertaining to the subject property and any other sites or facilities within a one-eighth mile to one-mile radius of the subject property to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate. The radius of the search was based upon the ASTM standard. No mapped state and/or federal sites were found in QRI's search of reasonably available government records for databases listed in ***Appendix A***.

3.1 Physical Setting Sources

Historical topographic maps for the target site are dated 1948 (Scale 1:62,500), 1962 (Scale 1:62,500) and 1973 (Scale 1:24,000). Adjoining maps dated 1891 (Scale 1:62,500, New Orleans quadrangle), 1954 (Scale 1:62,500, New Orleans quadrangle), 1966 (Scale 1:24,000, Lake Cataouatche East quadrangle), 1972 (Scale 1:24,000, Lake Cataouatche East quadrangle), 1979 (Scale 1:24,000, Lake Cataouatche East quadrangle) and 1982 (Scale 1:24,000, Lake Cataouatche East quadrangle), were obtained from EDR and are provided in ***Appendix B***. The Area of Concern, AOC, is denoted by a red rectangle on each map on which the site appears. The site conditions for each year on which the site is present are presented in

Table 1.

Table 1. Summary of Historic Topographic Map Observations	
Year	**Description**
1948	The site is undeveloped swampland with no development indicated. The Jones Point Cutoff of the Gulf Intracoastal Waterway (GIWW) is present. Isle Bonne is present as wetland area. Residential development is noted north of the site.
1962	The site is undeveloped but is not shown as wetland likely due to spoil piles raising the local elevation. No site development is indicated. Isle Bonne is no longer shown as swampland.
1973	The site has been partially cleared and shows development (likely commercial). The overhead electrical lines west of the site are visible.

3.1.1 Soils

According to the United States Department of Agriculture (USDA) Soil Conservation Service, Jefferson Parish Soil Survey and the EDR Soil Survey Geographic Database (SSURGO) data, the soils present across the site are Schriever clay, Barbary muck and the Lafitte-Clovelly association. The Schriever clay is poorly drained and has very slow infiltration rates and a high water table. On the site it is found along the site access road. Isle Bonne is completely covered with Barbary muck. This soil is level, poorly drained, semifluid and found in swamps. It also has very slow infiltration rates and a high water table. The remainder of the site west of the access road is Lafitte-Clovelly association soils. The soils in the association are level, very poorly drained, semifluid organic soils. Lafitte soils are on low interlevee basins and Clovelly soils are on low natural levees *(**Appendix A, pages A6 to A8**).*

3.1.2 Water Wells

There are no registered potable water wells within a one mile radius of the site. However, eleven (11) oil wells have been mapped south of the site at a distance of ½ to 1 mile downgradient. The locations of these wells are shown in ***Appendix A, pages A9 to A13.***

3.1.3 Review of Historical Aerial Photography

Aerial photographs dated 1982, 1983, 1995 and 2005/2006 were obtained from EDR and are provided in ***Appendix C****.* Additional aerials were obtained from NPS for 1980 and 1986. Data from the review of aerials is presented in Table 2.

The review of available historical aerial photography indicated the site was operational as a shipyard from approximately 1980 to 1986. Specific activities and structures were not visible at the map scales. Based on the prior use of the site as a shipyard, the presence of an HREC is likely.

Table 2. Aerial Photography Historic Use Summary

Year	Scale	Comments
1980, 1982 and 1983	1 inch = 1,000 feet	**Property**: The site appears to be actively operating as a shipyard. Barges/boats are evident moored along the bank. Isle Bonne is heavily wooded. Various structures are evident at the site but specific details cannot be determined at the map scale. **Surrounding Area**: The surrounding area to the north, south, and east appears to be developed. The area to the west is heavily wooded and undeveloped.
1986	1 inch = 250 feet	**Property**: The site appears to be actively operating as a shipyard. Barges/boats are evident moored along the bank. Isle Bonne is heavily wooded. Various structures are evident at the site but specific details cannot be determined at the map scale. **Surrounding Area**: The surrounding area to the north, south, and east appears to be developed. The area to the west is heavily wooded with the exception of the electrical utility right-of-way.
1995, 2005 and 2006	1 inch = 1,000 feet (1995) and 1 inch = 604 feet (2005/06)	**Property**: The site appears inactive and former active areas appear to be heavily vegetated / wooded. No boats/barges are noted. **Surrounding Area**: The surrounding area to the north, south, and east appears to be developed. The area to the west is heavily wooded with the exception of the electrical utility right-of-way.

3.1.4 City Directory Abstract

A search for city directory documentation to evaluate potential liability on the property and surrounding areas was conducted by EDR. Available directories from 1997, 2003 and 2009 were reviewed. A copy of the Abstract is included in ***Appendix D***. Neither the target property address nor surrounding addresses were listed in the directories.

4.0 FIELD INVESTIGATIONS

QRI was tasked to identify abandoned materials on site and to determine if Constituents of Concern (COCs) were present on site. Sample-collection locations were planned according to aerial photographs provided by NPS and field observations. Locations where soil and water samples were collected and the locations of debris/materials that were observed during site reconnaissance are presented in ***Figures 3 and 4***.

QRI conducted the first field reconnaissance from November 2 through 6, 2009. Concurrent with the field work, C.H. Fenstermaker and Associates (Fenstermaker) conducted an acoustic imaging study of the water bottom in proximity to the site and in the area surrounding Isle Bonne.

On August 6th, 2010 QRI conducted an additional limited site reconnaissance with the intent of locating again the site where SED-2 was collected during the 2009 reconnaissance.

4.1 November 2009 Site Investigation

Prior to beginning the field work portions of the site had to be cleared of brush, trees, shrubs and logs to provide access for vehicles and equipment. A bush hog and a brush cutter were initially used. Because of the amount of fallen trees from past storms a bulldozer was brought in to clear paths for the sampling equipment. The majority of the clearing operations followed

existing shell roads put in place when the site was in operation.

A Geoprobe™ track-mounted DPT rig was used to advance 15 boreholes to 6 feet BGS on the main site. The borings were continuously cored to terminal depth for soil classification and collection of laboratory samples. Each two foot soil interval was visually classified for soil type under the Unified Soil Classification System (USCS). On Isle Bonne QRI personnel used a stainless steel hand auger to advance three borings to 4 feet BGS. In both circumstances, portions of each interval were containerized to screen for the presence of organic vapors using a photoionization detector (PID). Soil samples from the intervals with the highest PID readings and the terminal depth intervals from each boring were retained for laboratory analysis. Each sample was tested for benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8260; semivolatile organic compounds (SVOCs) by EPA Method 8270; RCRA Metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver) by EPA 6010, and mercury via EPA Method 7471.

One-inch temporary PVC well casings with five-foot slotted screens were installed in each DPT borehole. Filtered sand was placed in the annular space around the screen. Water was purged from each well using a disposable PVC bailer until the sample was clear of sediment. The wells were then allowed to equilibrate. Dedicated, disposable PVC bailers were used to collect groundwater and place them in laboratory prepared containers. Groundwater was only encountered at eight DPT locations (JP-4 through JP-6, JP-11, JP-14 and JP-15) and not encountered at all in hand augered borings. Groundwater samples were analyzed for BTEX, SVOCs, and RCRA metals. According to standard protocols, the laboratory filtered the water samples prior to metals analysis.

Under chain-of-custody documentation, samples were submitted to Gulf Coast Analytical Laboratories (GCAL), Baton Rouge, Louisiana for laboratory analysis. A complete copy of the laboratory analytical report is included in ***Appendix E*** and summaries of analytical results from the borings, groundwater, sediment and surface water samples are found in ***Tables 1 through 5***.

Two additional locations were sampled for surface water (SW-1 and SW-2) and sediment (SED-1 and SED-2). All sample locations and media types are noted on ***Figure 3***. Borings were logged by QRI geologists prior to sample submission to the laboratory. Boring logs are located in ***Appendix F***. In addition, the property was inspected, photographed to document site conditions and sample locations, and locations were recorded with a Trimble™ GeoXH GPS system. Site photographs are included in ***Appendix G***.

Items encountered by field personnel during the investigation included shell and/or gravel covered roadbeds, concrete pads, abandoned aboveground vessels, fill material, numerous debris piles containing household wastes, a fallen electrical pole with transformers, and commercial wastes, including tires, empty aerosol cans, and guy wires. These features are shown on ***Figure 4***.

During the course of the site assessment, investigation derived wastes (IDW) in the form of soil cuttings, purge water, and used personal protective equipment (PPE) was generated. Based upon laboratory data of the various media, no hazardous constituents above regulatory screening limits were determined to be present. Soil cuttings were replaced on-site. Purge water from the temporary wells was used to hydrate bentonite chips used to plug the boreholes. Used PPE was placed in plastic bags and returned to the QRI office for disposal with office/warehouse wastes.

4.2 Acoustic Imaging Survey

Concurrent with QRI's PA/SI activities C.H. Fenstermaker and Associates of Lafayette, Louisiana conducted an underwater acoustic imaging survey of the water bottom adjacent to Jones Point and surrounding Isle Bonne.

The sonar data indicated the bank line along Jones Point and surrounding Isle Bonne Island, water bottom scarring consistent with that typically resulting from vessel traffic, and sixteen areas with sonar signatures consistent with debris resident on the water bottom. The majority of the debris was indicated by non-determinant signatures indicating objects protruding off of the water bottom. Three of the signatures are linear signatures that are characteristic of pipe and cable debris. These are located at "debris area 7", "Linear signature 1" and "Linear Signature 2". The signature observed at the "Target 1" location is characteristic of a sunken vessel hull. This feature is exhibiting a signature 33' long by 10' wide. Details of the observed features, targets and target areas, corresponding geographic positions and descriptive comments are presented in Table 3. The complete Fenstermaker report is included in ***Appendix H.***

4.3 August 2010 Site Investigation

On August 6th, 2010 QRI personnel conducted limited site reconnaissance of the Jones Point site. The intent was to locate again the site where SED-2 was collected during the 2009 reconnaissance. Site access was limited because vegetation on the shell road was dense, rendering the road virtually impassable via motorized vehicle. The location where sample SED-02 was collected in 2009 was found and photodocumented using a GPS camera. However, satellite coverage was non-existent and no coordinates were collected. Photographs were also taken along the shell road from the entry point at the second gate into the site, to the end of the shell road, at Intercoastal Waterway, to document site access conditions. No additional environmental sampling was conducted.

QRI observed that the site remains cluttered with a large number of debris piles that are comprised mostly of household trash, but also in some instances contain waste oil filters and small appliances. QRI also observed concrete, scrap iron, and wood scattered about.

Site photographs associated with this reconnaissance are included with the other site photograph in ***Appendix G.***

5.0 DISCUSSION

Based on data collected and evaluated from the two Site Investigations and from historical record sources, QRI noted the following:

5.1 Historical Information

The site was undeveloped land from 1891 through 1962. Historic topographic maps and aerial imagery indicates that the site was an active shipyard from approximately 1973 to 1986, until it was acquired by NPS.

According to the EDR environmental database record search there are no state or federal facilities with reported conditions within the various radii specified by ASTM E 1527-05. The former shipyard was not found in any of the environmental databases searched, which indicates that no environmental conditions were identified and no environmental spills were reported for the site.

Table 3. Acoustic Imaging Results

Site Name	N Latitude (NAD83)	W Longitude (NAD83)	Comments
Debris Area 3	29° 44' 34.65"	90° 08' 20.27"	Two small targets the largest approx. 5 ft. long
Debris Area 4	29° 44' 30.75"	90° 08' 23.59"	Target approx. 30 ft. long. Possibly moored to wharf at one time
Debris Area 5	29° 44' 26.60"	90° 08' 18.19"	Cluster of indeterminate debris
Debris Area 6	29° 44' 29.74"	90° 08' 13.82"	Cluster of indeterminate debris
Debris Area 7	29° 44' 47.17"	90° 08' 12.25"	Possible pipe debris approx. 20 ft. long
Debris Area 8	29° 44' 45.35"	90° 08' 12.10"	Cluster of indeterminate debris
Debris Area 9	29° 44' 41.99"	90° 08' 13.32"	Cluster of indeterminate debris
Debris Area 10	29° 44' 36.78"	90° 08' 16.21"	Cluster of indeterminate debris
Debris Area 11	29° 44' 36.06"	90° 08' 16.55"	Cluster of indeterminate debris
Debris Area 12	29° 44' 36.69"	90° 08' 17.52"	Single article of debris
Debris Area 13	29° 44' 33.56"	90° 08' 18.83"	Cluster of indeterminate debris
Debris Area 14	29° 44' 29.32"	90° 08' 25.52"	Cluster of indeterminate debris
Debris Area 15	29° 44' 30.98"	90° 08' 10.05"	Single article of debris
Platform	29° 44' 43.76"	90° 08' 14.83"	Platform Pilings
Linear Signature 1	29° 44' 34.55"	90° 08' 20.14"	Possible pipe debris approx. 27 ft. long
Linear Signature 2	29° 44' 32.00"	90° 08' 22.43"	Possible cable or mooring line that seems to be attached to the wharf and debris in debris area 4
Wharf	29° 44' 32.60"	90° 08' 22.72"	Wharf Pilings
Debris Area 1 NE Corner	29° 44' 35.63"	90° 08' 19.47"	Boundaries of area containing dense concentration of scattered debris
Debris Area 1 NW Corner	29° 44' 35.95"	90° 08' 20.36"	
Debris Area 1 SW Corner	29° 44' 35.26"	90° 08' 20.71"	
Debris Area 1 SE Corner	29° 44' 34.89"	90° 08' 19.93"	
Debris Area 2 NE Corner	29° 44' 35.07"	90° 08' 20.40"	Boundaries of area containing dense concentration of scattered debris
Debris Area 2 NW Corner	29° 44' 35.31"	90° 08' 20.96"	
Debris Area 2 SW Corner	29° 44' 34.56"	90° 08' 21.27"	
Debris Area 2 SE Corner	29° 44' 34.29"	90° 08' 20.70"	

5.2 Site Inspection

During the initial site clearing (2009) a network of gravel covered road beds were discovered and cleared. The roads were likely installed and used when the shipyard was operational. Most of the debris and materials found during the PA/SI were within low-lying areas adjacent to the roads.

Wooden bulkheads, riprap and concrete slabs are present in the former dock area and along the shoreline of the waterway. The use of the concrete slabs is unknown although aerial photography indicates they were located near a former mobile home or office trailer, and another site building.

Numerous debris piles were observed (***Figure 4***) during the inspection and targeted as potential sampling locations. Debris included:

Railroad ties	most likely used to bulkhead the shore or supports for equipment or vessels
Household garbage	toy parts, metal cans and glass bottles
Electronic goods	a television set was observed, as well as radio parts, electrical wire and pieces of coaxial cable
Commercial wastes	waste tires; rusted one-gallon, five-gallon, and 55-gallon containers; hardened resins; empty oil containers ranging from one quart to five gallon pails; empty aerosol cans; Styrofoam; hoses; and rope
Metal vessels	two metal vessels (tanks) were noted on the Jones Point site; one vessel was observed on Isle Bonne
Construction debris	roofing shingles, tin roofing, wood and pieces of insulation were observed

A fallen utility pole with three transformer units was observed. Because the transformers had open tops and the underlying soil was oil-stained, QRI contacted the local utility company, Entergy, to determine if the units were registered as their property and if PCB test data were available. The identification numbers (C19413, C19418, C19574) were sent via electronic mail to Mr. Richard McCabe, Entergy Environmental Management, to research the information. It was determined that the units were property of Entergy, but no PCB test data was available for the former contents of the units. Entergy sent their contractor, U.S. Environmental Services to retrieve the transformer units. The broken utility pole remains on the site and no soil was excavated. Soil samples from this location were analyzed for PCBs but none were detected.

From the shoreline several pilings and a portion of former wharf or pier were observed. Underwater obstructions/debris were mapped and are presented in the Fenstermaker report. The scan, included in ***Appendix H,*** identifies 16 areas containing signatures consistent with debris, as well as water bottom scarring typically resulting from vessel traffic. Three linear signatures identified as “Debris area 7”, “Linear signature 1”, and “Linear signature 2” are characteristic of pipe and cable debris. The signature labeled “Target 1” is characteristic of a sunken vessel hull measuring 33 feet in length by 10 feet in width.

5.3 Risk Assessment

QRI compared soil and water analytical data to the Screening Tables in the LDEQ Risk Evaluation/Corrective Action Program (RECAP). One hundred and seventy eight constituents were detected in the surface (SED-01 and SED-02) and subsurface soil samples. All COCs found in soils collected from DPT borings screened out at the nonindustrial ("residential" implied) land use tier (Soil_ssni). In sediment sample SED-02, however, 5 COCs were present in quantities greater than the nonindustrial tier. Those 5 COCs were advanced to the next screening level, industrial land use, (Soil_ssi) and all but 2 COCs screened out (Table 4).

The soil samples collected on Isle Bonne via hand auger (HA-1 to HA-3) all contained detectable amounts of various metals, and all samples contained barium. All of the COCs screened out at the Soil_ssni non-industrial tier.

Groundwater samples were collected from nine DPT boreholes. One duplicate sample was collected from JP-14 as a quality control (QC) measure. Barium was present in all of the groundwater samples, but all COCs screened out of the groundwater screening tier (GW_ss). Two semi volatile compounds were present in borehole JP-4 and JP 14, also at levels below groundwater screening standards.

The surface water samples contained barium, and SW-1 contained a semi volatile compound. None of the COCs exceeded RECAP groundwater screening standards (there are no published "surface water" standards in RECAP).

Two sediment samples (SED-1 and SED-2) were collected from internal drainage areas at the site. Both samples contained detectable amounts of COCs, though in sample SED-1 they were not present in quantities above the Soil_ssni tier. SED-2 contained 18 detectable COCs, 5 of which exceeded Soil_ssni. These 5 were further screened against industrial standards and two COCs exceeded those (Soil_ssi). Soils containing COCs in excess of Soil_ssi require either, 1) remediation or 2) further assessment work to obtain site-specific information that would be used in a formal risk assessment, which might show that the COCs on the site do not exceed risk - based standards for that particular site. However, additional assessment to obtain site-specific information in the hopes that a site is within acceptable risk limits is time-consuming and expensive. In light of the relatively small spatial extent of the contamination QRI asserts that the most cost-effective means for addressing the contaminated soils is to excavate and dispose of them in an appropriate facility.

The analytical results for sample SED-02 are presented in Table 4.

6.0 CONCLUSIONS

QRI observed numerous solid waste debris piles consisting of railroad ties, electronic goods, household garbage, commercial wastes, metal vessels (tanks), and miscellaneous construction debris.

6.1 Soil/Water Testing

QRI advanced fifteen DPT borings on the site and three hand auger borings on Isle Bonne. Soil samples were analyzed for RCRA metals, VOCs (BTEX) and SVOCs. There were no detectable volatiles (BTEX) in any of these samples and only two borings, JP-7 and JP-14, contained SVOCs, though the quantities were less than the Soil_ssni. All of the borings contained detectable quantities of metals but in amounts that were less than Soil_ssni. Soils that contain COCs in quantities that are less than the RECAP screening standards for

Table 4. Samples Exceeding RECAP Residential Screening

Sample ID	Matrix	Analyte	Result (ppm)	Soil_ssni	Exceed?	Soil_ssi	Exceed?
SED-02	Sediment	Benzo(a)anthracene	1.04	0.6202	Yes	2.8682	No
SED-02	Sediment	Benzo(a)pyrene	1.05	0.3300	Yes	0.3300	***Yes***
SED-02	Sediment	Benzo[b]fluoranthene	1.99	0.6202	Yes	2.8683	No
SED-02	Sediment	Dibenz(a,h)anthracene	0.453	0.3300	Yes	0.3300	***Yes***
SED-02	Sediment	lndeno(1,2,3)pyrene	1.41	0.6215	Yes	2.8822	No

Soil_ssni – soil screening standards for non industrial land use

Soil_ssi – soil screening standards for industrial land use

ppm – parts per million

Benzo(a)anthracene, Benzo(a)pyrene ,Benzo[b]fluoranthene, Dibenz(a,h)anthracene, and lndeno(1,2,3)pyrene are examples of polycyclic aromatic hydrocarbons (PAHs), which can occur naturally in the environment due to phenomena like forest fires, but which are generally associated with human activities including oil refining, tar distillation, asphalt production, waste incineration, and emissions from transport, heating, and industry.

nonindustrial land use, Soil_ssni, do not require remediation as long as the site has land use restriction in place. A facility that contains COCs above Soil_ssni but less than Soil_ssi must only be used for industrial/non residential purposes.

JP-14 was also analyzed for PCBs because of the electrical transformers that were observed on the ground. No PCBs were detected in the soil samples. Entergy Company has reclaimed the transformer units.

Sediment sample SED-1 contained COCs but none in excess of RECAP Soil_ssni screening standards. Sediment sample SED-2 contained two (2) SVOCs in quantities that exceeded Soil_ssi. Rather than conduct site investigation work QRI asserts that the most cost-effective means for treating the contaminated soils is to excavate and dispose of them in an appropriate facility.

Nine groundwater samples were collected from temporary one-inch PVC wells (piezometers) installed in the DPT boreholes. Groundwater samples were analyzed for (dissolved) RCRA metals, BTEX, and SVOCs. None of the COCs in the groundwater samples exceeded RECAP Groundwater Screening Standards, GW_SS. Groundwater remediation is not required.

Two surface water samples were collected from water bodies within the site. There were no COCs present in excess of RECAP Screening Standards. No remediation of surface water is required.

There were no COCs in excess of Soil_ssni in sediment sample SED-1. SED-2 contained two (2) SVOCs in excess of Soil_ssi screening standards. Based upon the 2010 site reconnaissance, the “ditch” from which SED-02 was collected is actually one of many depressions on a site with uneven topography. The “ditch” is a relatively small isolated area. Rather than expend additional time and money collecting site-specific data to possibly demonstrate that the COCs are present in quantities that do not pose a threat to human health and the environment in an industrial land use scenario, QRI recommends excavation and disposal of the soil.

The environmental sampling results are summarized in Table 5.

Table 5. Environmental Sampling Summary

Collection Method	Matrix	Analyses	COCs Exceeding Soil_ssni?	COCs Exceeding Soil_ssi?	COCs Exceeding GW_ss?
DPT	Soil	BTEX, semi volatiles, RCRA metals, mercury	No	NA	NA
DPT	Groundwater	BTEX, semi volatiles, RCRA metals, mercury	NA	NA	No
Hand Auger	Soil	BTEX, semi volatiles, RCRA metals, mercury	No	NA	NA
Grab	Surface water	BTEX, semi volatiles, RCRA metals, mercury	No	NA	No
Grab	Surface soils	BTEX, semi volatiles, RCRA metals, mercury	Yes	Yes	NA

DPT – Direct Push Technology
BTEX – benzene, toluene, ethylbenzene, xylene
COCs – Constituents of Concern
Soil_ssni – risk-based soil screening standard for non-industrial land use
Soil_ssi - risk-based soil screening standard for industrial land use.
GW_ss – risk-based groundwater screening standard
NA – not applicable

6.2 Acoustic Imaging

An acoustic imaging survey of the waterway adjacent to Jones Point and surrounding Isle Bonne was conducted. The survey identified 16 areas containing signatures consistent with debris. Three linear signatures, identified as “Debris area 7”, “Linear signature 1”, and “Linear signature 2”, are characteristic of pipe and cable debris. The signature labeled “Target 1” is characteristic of a sunken vessel hull measuring 33 feet in length by 10 feet in width. Underwater debris removal is not *required* but the National Park Service has indicated their interest in accomplishing this task.

7.0 REMEDIAL RECOMMENDATIONS

QRI makes the following recommendations based on the findings of this modified PA/SI:

- Site clearing and debris removal needs to be accomplished on the site. QRI is qualified to complete this work. Based upon the site conditions as they existed in August 2010, QRI estimates that it would take approximately 20 days to remove the debris and either truck or barge it off-site for disposal. Costs associated with the site clearing and debris removal is presented in Table 6, Remediation Cost Estimates.
- Underwater obstructions identified on the acoustic imaging survey in proximity to the shoreline of Jones Point and Isle Bonne should be removed and properly disposed of. QRI obtained a bid for this work from a reputable vendor. Their cost estimate is presented in Table 6.
- Removing surface debris and, where necessary, abating the soils, will likely be time-consuming process because of the dense vegetation covering the site and because the composition of the debris piles are unpredictable. Each debris pile would have to be addressed on a case by case basis in terms of safe collection, proper disposition, and whether or not analytical testing for hazardous waste profiling would be required.
- Cost-estimation for debris removal and abatement at Jones Point is daunting because of

the number of site variables. QRI provides in Table 6 the individual costs associated with excavating, characterizing, profiling, and disposing of the debris materials, as well as the costs for the earth-moving equipment required to clear the site and to excavate the debris. Assuming that the condition of the site as we currently know it is accurate, QRI anticipates that clearing, containerizing the waste materials, profiling the waste if necessary, and properly disposing of it would take approximately (20) 10-12 hour days. Additional time would be necessary if hazardous waste profiling (analytical testing) is conducted because the standard turnaround time for laboratory analysis is 10 days.

- An extremely conservative, worst-case scenario for excavation and disposal of soils/debris would be to assume that the entire Jones Point and Isle Bonne site would need to be excavated to a depth of 18" BGS. Using Geographic Information System (GIS), QRI calculated the area of the entire 2 properties, and an excavation depth of 18 inches, and determined that there would be 98,818 yds^3 of soils/trash to be excavated and disposed of. All or portions of this material might be classified as hazardous waste and require disposal in a hazardous waste landfill.

- A less conservative estimate of the volume of materials to be excavated and disposed of was calculated assuming that only the areas where debris piles were located would require excavation and disposal (also to a depth of 18" BGS). In this scenario the total volume of materials would be 21,796 yds^3.

- In actuality, the volume of soils to be excavated would be determined in the field by a trained professional so that the costs for excavation and disposal could be kept to a minimum.

- Soils and debris would be segregated on-site. Hazardous waste profiling would be conducted on soil/debris which was potentially hazardous. This would be accomplished by collecting and submitting samples for Toxicity Characteristic Leachate Potential (TCLP) volatiles, semi volatiles, metals, and potentially pesticides and herbicides. One set of samples for analytical testing would be collected from each roll-off container containing soils/wastes deemed potentially hazardous.

Table 6. Remediation Cost Estimates		
Site Clearing, Debris Removal		
Equipment	**Equipment Rental**	
	Daily Rate	**Weekly Rate**
Bobcat T190 Trackloader	$275	$825
Grapple attachment	$67	$155
Bobcat 325 Excavator	$175	$525
Analytical Testing	**Cost Per Test**	
TCLP Volatiles, 8260B	$145	
TCLP Semi Volatiles, 8270C	$230	
TCLP Metals, 6010B & 7470A	$85	
Waste Disposal	**Cost Per Cubic Yard**	
30 yd roll-off container	$100	
Hazardous Waste Disposal		
Waste profiling – *Varies depending upon the relevant test*	*Max likely cost* $700/sample	
Waste transport and disposal	*Approximately* $200/ cubic yard	
Labor	**Cost Per Hour**	
Site clearance	$56	
Waste characterization	$68	
Environmental sample collection	$82	
Underwater Debris Removal		
J&L Associates, 2010 estimate	$112,500	

8.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS



Fonda Lindfors New
Principal Geologist



Kim Barton
Toxicologist



Kay S. Nall
Project Manager

9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Fonda Lindfors New has over twenty years of experience in the environmental field. She has extensive experience in environmental site assessments, stratigraphy, radiocarbon dating, groundwater and surface water. Ms. New has performed hundreds of site assessments dealing with a wide variety of property types and environmental conditions. Ms. New has a Bachelor of Science degree in Geology.

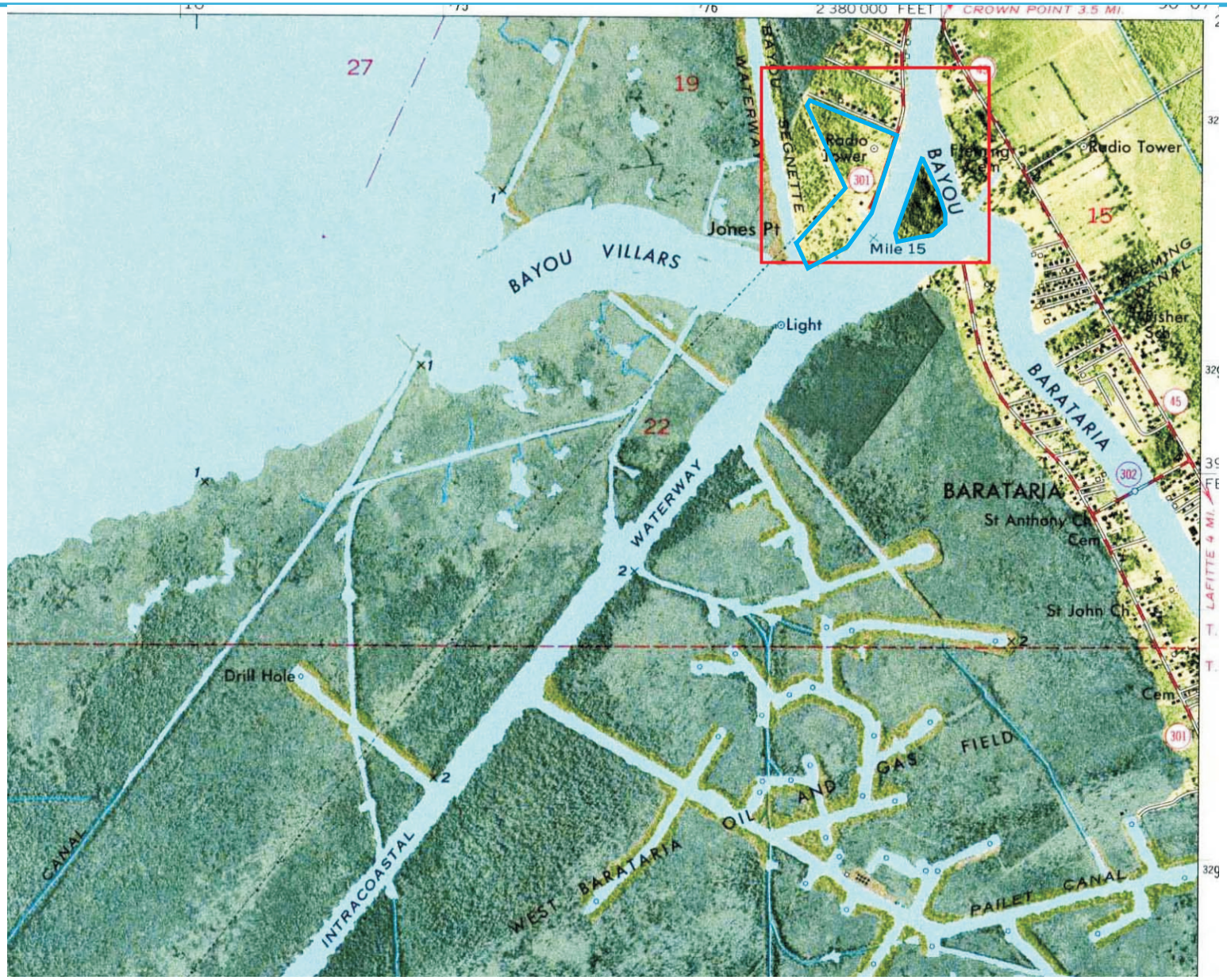
Kay S. Nall has 20 years of experience in environmental consulting, project management, aquatic toxicology, environmental analyses, and laboratory quality assurance / quality assessment. Ms. Nall has participated in numerous Environmental Site Assessments. Ms. Nall holds a Bachelor of Science degree in Education.

Kim Barton has fifteen years professional consulting experience and serves as a Senior Project Manager with QRI, Inc. She has demonstrated proficiency in site and damage assessments according to ASTM and/or the Louisiana Department of Environmental Quality's Risk Evaluation/Corrective Action Plan (LDEQ RECAP), industrial site management, and remediation under LDEQ RECAP, and all phases of NEPA reporting.

FIGURES

FIGURE 1

SITE VICINITY MAP



National Park Service

419 Decatur Street
New Orleans, LA 70130
Contract: C7530-09-0012
Jones Point PA/SI

Date: 12/23/2009

Figure 1

Site Vicinity Map

Scale 1:24,000

Quaternary Resource Investigations, L.L.C.

The Company that Helps put

"Government & Industry in Harmony with the Environment"

13588 Florida Boulevard
Baton Rouge, LA 70819
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Fax: (281) 286-4604

Web Site: http//www.qri.com

Toll Free # (800) 889-5378

FIGURE 2

SITE LOCATION MAP



National Park Service

419 Decatur Street
New Orleans, LA 70130
Contract: C7530-09-0012
Jones Point PA/SI

Date: 12/23/2009

Figure 2

Site Location Map

Quaternary Resource Investigations, L.L.C.
The Company that Helps put
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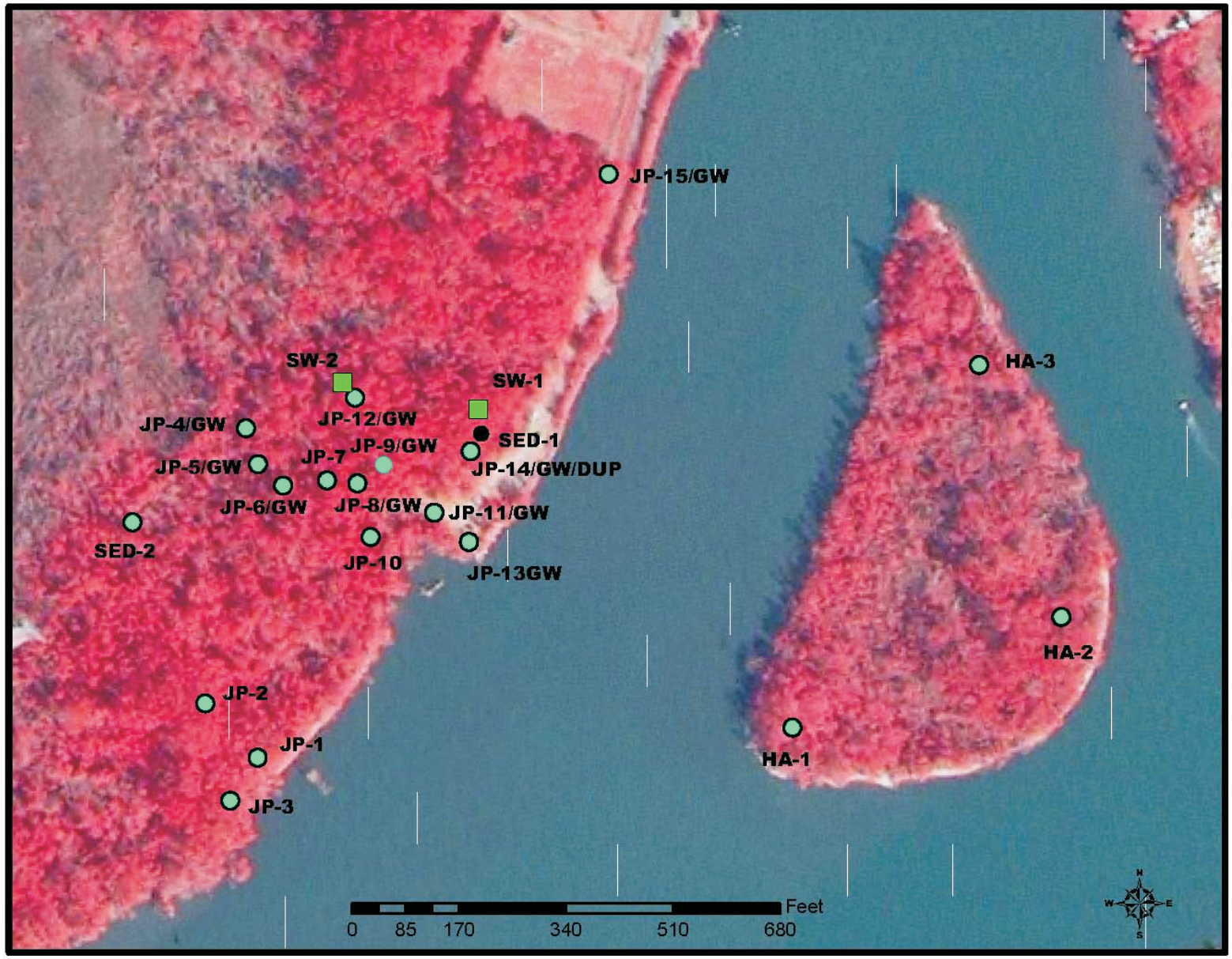
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FIGURE 3

SAMPLE LOCATION MAP



National Park Service

419 Decatur Street
New Orleans, LA 70130
Contract: C7530-09-0012
Jones Point PA/SI

Date: 12/23/2009

Figure 3

Sample Location Map

Quaternary Resource Investigations, L.L.C.

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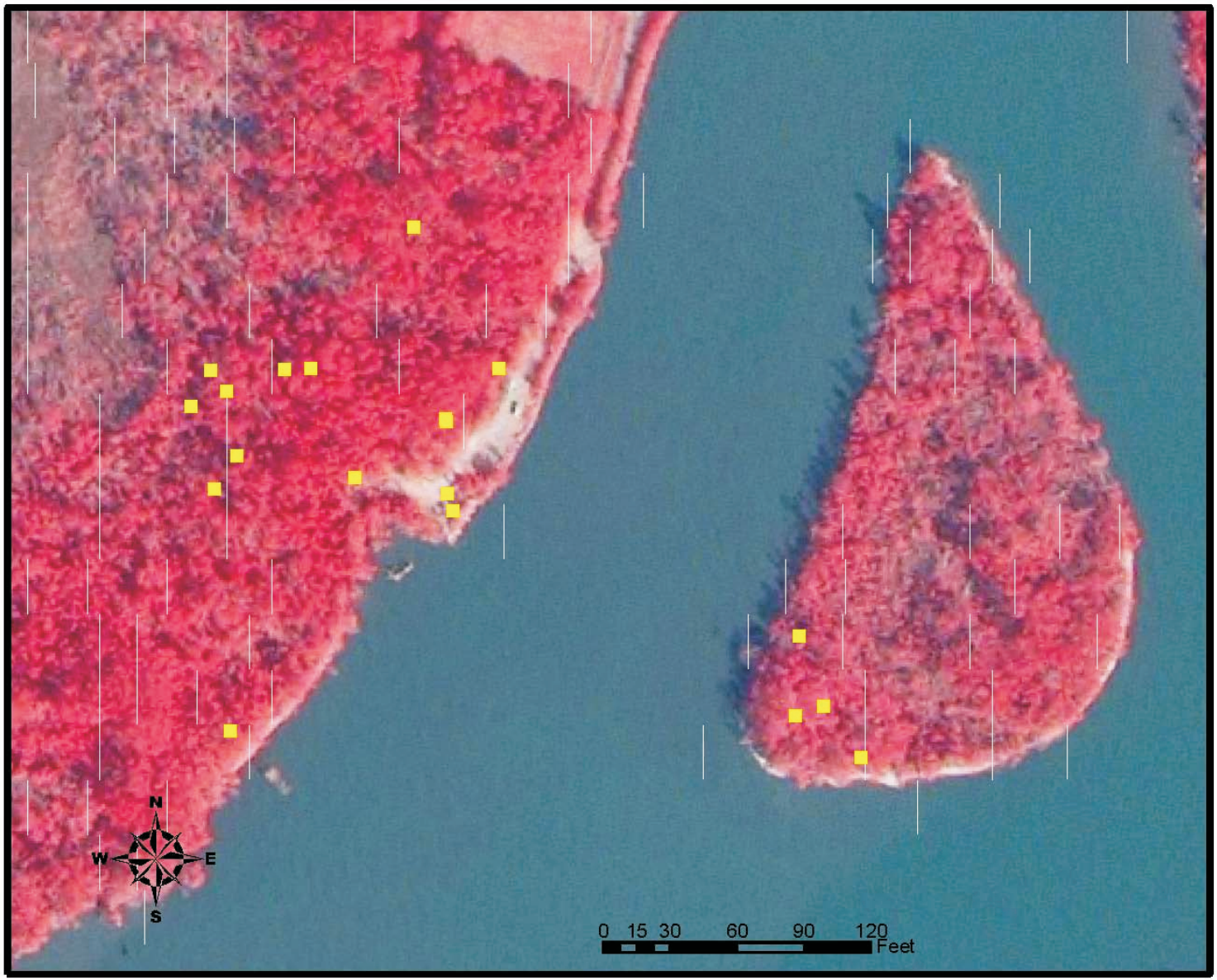
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FIGURE 4

DEBRIS/MATERIAL LOCATION MAP



N

National Park Service

419 Decatur Street
New Orleans, LA 70130
Contract: C7530-09-0012
Jones Point PA/SI

Date: 12/23/2009

Figure 4

Debris/Materials Location Map (Land)

Quaternary Resource Investigations, L.L.C.

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ANALYTICAL RESULT TABLES

TABLE 1

ANALYTICAL RESULTS
DPT SOIL SAMPLES

Table 1
Analytical Results
DPT Soil Samples
National Park Service -Jones Point
Jefferson Parish, Louisiana

Analyte	RECAP Soil Screening Options Limit - Non-Industrial (mg/kg) - Soil_SSni	JP-1 (2' - 4')	JP-1 (4' - 6')	JP-2 (2' - 4')	JP-2 (4' - 6')	JP-3 (2' - 4')	JP-3 (4' - 6')	JP-4 (2' - 4')	JP-4 (4' - 6')	JP-5 (0' - 2')	JP-5 (4' - 6')	JP-6 (2' - 4')	JP-6 (4' - 6')	JP-7 (2' - 4')	JP-7 (4' - 6')
Metals (mg/kg):															
Arsenic	**12**	ND	2.36	ND	2.67	2.58	2.89	6.16	ND	ND	5.45	ND	2.05	4.36	2.04
Barium	**550**	40.7	48.6	63.7	80.7	118	94.8	95.6	87.4	44.2	149	94.3	62.8	108	86.2
Cadmium	**3.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	**23**	0.83	1.66	3.01	3.32	2.09	3.26	ND	3.57	2.87	2.49	3.44	3.59	1.15	2.08
Lead	**400**	7.53	8.36	9.45	9.34	14.4	10.2	9.51	6.49	7.67	9.13	6.6	9.74	19.1	8.62
Mercury	**2.3**	0.022	0.029	0.048	0.038	0.042	0.065	0.051	0.057	0.067	0.071	0.065	0.063	0.038	0.025
Selenium	**39**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**39**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatiles (mg/kg):															
Benzene	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**160**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**68**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	**18**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatiles (mg/kg):															
1,2,4-Trichlorobenzene	**66**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2Diphenylhydrazine/Azobenzene	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	**530**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	**40**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	**71**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	**8.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	**4.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	**15**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	**22**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	**1.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	**0.97**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	**13**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	**370**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	**350**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	**2.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**2200**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.389	ND
Benzo(a)pyrene	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.392	ND
Benzo(g,h,i)perylene	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	**4.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	**35**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	**220**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND
Di-n-butyl phthalate	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	**240**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	**29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	**670**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	**1500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	**93**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**220**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.13	ND
Fluorene	**280**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	**0.34**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	**0.82**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	**1.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	**5.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	**340**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.403	ND
4-Nitroaniline	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	**2.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**2100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.63	ND
Phenol	**1300**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	**230**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.931	ND
Pyridine	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Cresol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	**90**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Cresol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/kg):															
Aroclor-1016	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

ND = Not Detected above the reporting detection limit (RDL)
NT = Sample Not Tested for Analyte

Table 1
Analytical Results
DPT Soil Samples
National Park Service -Jones Point
Jefferson Parish, Louisiana

Analyte	RECAP Soil Screening Options Limit - Non-Industrial (mg/kg) - Soil_SSni	JP-8 (0' - 2')	JP-8 (4' - 6')	JP-9 (2' - 4')	JP-9 (4' - 6')	JP-10 (2' - 4')	JP-10 (4' - 6')	JP-11 (2' - 4')	JP-11 (4' - 6')	JP-12 (2' - 4')	JP-12 (4' - 6')	JP-14 (0' - 2')	JP-14 (5' - 7')	JP-15 (2' - 4')	JP-15 (5' - 7')
Metals (mg/kg):															
Arsenic	**12**	2.62	2.24	2.2	2.1	4.41	ND	3.43	4.14	2.27	3.29	2.07	2.33	3.05	5.62
Barium	**550**	162	131	106	63.9	95.2	49.3	221	103	76.2	99.8	85.8	161	151	111
Cadmium	**3.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	**23**	ND	ND	ND	ND	ND	2.25	ND	1.45	1.28	ND	2.56	1.69	0.99	0.52
Lead	**400**	7.49	6.93	7.99	10.5	7.93	6.87	6.93	6.84	5.99	9.63	11.8	11.3	8.8	7.11
Mercury	**2.3**	0.023	0.046	0.10	0.049	0.075	0.059	0.028	0.026	0.027	0.029	0.068	0.073	0.055	0.041
Selenium	**39**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**39**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatiles (mg/kg):															
Benzene	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**160**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**68**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	**18**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatiles (mg/kg):															
1,2,4-Trichlorobenzene	**66**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2Diphenylhydrazine/Azobenzene	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	**530**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	**40**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	**71**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	**8.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	**4.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	**15**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	**22**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	**1.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	**0.97**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	**13**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	**370**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	**350**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	**2.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**2200**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	**4.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	**35**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	**220**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	**240**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.418	ND	ND	ND
Dibenz(a,h)anthracene	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	**29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	**670**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	**1500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	**93**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**220**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	**280**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	**0.34**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	**0.82**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	**1.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	**5.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	**340**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	**2.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**2100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.385	ND	ND	ND
Phenol	**1300**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	**230**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Cresol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	**90**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Cresol	**NS**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (mg/kg):															
Aroclor-1016	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT
Aroclor-1221	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT
Aroclor-1232	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT
Aroclor-1242	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT
Aroclor-1248	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT
Aroclor-1254	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT
Aroclor-1260	**0.11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT

ND = Not Detected above the reporting detection limit (RDL)
NT = Sample Not Tested for Analyte

TABLE 2

ANALYTICAL RESULTS
HAND AUGER SAMPLES

Table 2
Analytical Results
Hand Auger Samples
National Park Service - Jones Point
Jefferson Parish, Louisiana

Analyte	HA-1 (0-2)	HA-1 (2-4)	HA-2 (0-2)	HA2 (2-4)	HA-3 (0-2)	HA3 (2-4)	RECAP Soil Screening Options Limit - Non-Industrial (mg/kg) - Soil_SSni
Metals (mg/kg):							
Arsenic	ND	ND	2.77	5.56	ND	6.37	**12**
Barium	106	67.1	188	37.1	115	116	**550**
Cadmium	ND	ND	ND	ND	ND	ND	**3.9**
Chromium	ND	0.89	0.71	ND	ND	ND	**23**
Lead	9.27	5.27	6.39	6.61	22.7	5.83	**400**
Mercury	0.042	0.032	0.047	0.045	0.06	0.038	**2.3**
Selenium	ND	ND	ND	ND	ND	ND	**39**
Silver	ND	ND	ND	ND	ND	ND	**39**
Volatiles (mg/kg):							
Benzene	ND	ND	ND	ND	ND	ND	**1.5**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**160**
Toluene	ND	ND	ND	ND	ND	ND	**68**
Xylene (total)	ND	ND	ND	ND	ND	ND	**18**
Semivolatiles (mg/kg):							
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	**66**
1,2Diphenylhydrazine/Azobenzene	ND	ND	ND	ND	ND	ND	**NS**
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	**530**
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	**40**
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	**16**
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	**71**
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	**8.9**
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	**4.3**
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	**500**
2-Chlorophenol	ND	ND	ND	ND	ND	ND	**15**
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	**22**
2-Nitroaniline	ND	ND	ND	ND	ND	ND	**1.7**
2-Nitrophenol	ND	ND	ND	ND	ND	ND	**NS**
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	**0.97**
3-Nitroaniline	ND	ND	ND	ND	ND	ND	**13**
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	**NS**
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	**NS**
4-Chloroaniline	ND	ND	ND	ND	ND	ND	**16**
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	**NS**
Acenaphthene	ND	ND	ND	ND	ND	ND	**370**
Acenaphthylene	ND	ND	ND	ND	ND	ND	**350**
Aniline	ND	ND	ND	ND	ND	ND	**2.4**
Anthracene	ND	ND	ND	ND	ND	ND	**2200**
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	**0.62**
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	**0.33**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	**0.62**
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	**NS**
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	**6.2**
Benzyl alcohol	ND	ND	ND	ND	ND	ND	**NS**
Bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	**NS**
Bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	**0.33**
Bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	**4.9**
Bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	**35**
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	**NS**
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	**220**
Carbazole	ND	ND	ND	ND	ND	ND	**NS**
Chrysene	ND	ND	ND	ND	ND	ND	**62**
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	**NS**
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	**240**
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	**0.33**
Dibenzofuran	ND	ND	ND	ND	ND	ND	**29**
Diethyl phthalate	ND	ND	ND	ND	ND	ND	**670**
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	**1500**
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	**93**
Fluoranthene	ND	ND	ND	ND	ND	ND	**220**
Fluorene	ND	ND	ND	ND	ND	ND	**280**
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	**0.34**
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	**0.82**
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	**1.4**
Hexachloroethane	ND	ND	ND	ND	ND	ND	**5.2**
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	**0.62**
Isophorone	ND	ND	ND	ND	ND	ND	**340**
Naphthalene	ND	ND	ND	ND	ND	ND	**6.2**
4-Nitroaniline	ND	ND	ND	ND	ND	ND	**1.0**
Nitrobenzene	ND	ND	ND	ND	ND	ND	**2.2**
4-Nitrophenol	ND	ND	ND	ND	ND	ND	**32**
Pentachlorophenol	ND	ND	ND	ND	ND	ND	**2.8**
Phenanthrene	ND	ND	ND	ND	ND	ND	**2100**
Phenol	ND	ND	ND	ND	ND	ND	**1300**
Pyrene	ND	ND	ND	ND	ND	ND	**230**
Pyridine	ND	ND	ND	ND	ND	ND	**NS**
m,p-Cresol	ND	ND	ND	ND	ND	ND	**NS**
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	**0.33**
n-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	**NS**
n-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	**90**
o-Cresol	ND	ND	ND	ND	ND	ND	**NS**

NS = No Standard per RECAP regulations
ND = Not Detected above the reporting detection limit (RDL)

TABLE 3

ANALYTICAL RESULTS
GROUNDWATER SAMPLES

Table 3
Analytical Results
Groundwater Samples
National Park Service - Jones Point
Jefferson Parish, Louisiana

Analyte	JP-4 GW	JP-5 GW	JP-6 GW	JP-8 GW	JP-9 GW	JP-11 GW	JP-13 GW	JP-14 GW	JP-15 GW	DUP-1	RECAP Groundwater Screening Option Limit - Non-Industrial (mg/L) - GW_SS
Metals (mg/L)											
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
Barium	0.070	0.12	0.15	0.18	0.1	0.087	0.19	0.13	0.035	NT	**2.0**
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.005**
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.1**
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.015**
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.002**
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.018**
Volatiles (mg/L)											
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.0**
Xylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**
Semivolatiles (mg/L)											
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.07**
1,2Diphenylhydrazine/Azobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.37**
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.011**
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.049**
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.00062**
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.02**
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.02**
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.37**
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.1**
Aniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.012**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.043**
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0078**
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0002**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0048**
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0025**
Benzyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0057**
Bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0057**
Bis(2-Ethylhexyl)phthalate	0.00446	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.006**
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.73**
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0016**
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.02**
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0025**
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	0.552	ND	NT	**2.9**
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**37**
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.073**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.15**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.024**
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.001**
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.00073**
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0037**
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.07**
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.0019**
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.05**
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.001**
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.18**
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.18**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.18**
Pyridine	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
m,p-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.01**
n-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**
n-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**0.014**
o-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	**NS**

ND = Not Detected above the reporting detection limit (RDL)
NT = Sample Not Tested for Analyte

TABLE 4

ANALYTICAL RESULTS
SEDIMENT SAMPLES

Table 4
Sample Results
Sediment Samples
National Park Service - Jones Point
Jefferson Parish, Louisiana

Analyte	SED-1	SED-2	RECAP Soil Screening Options Limit - Non-Industrial (mg/kg) - Soil_SSni
Metals (mg/kg):			
Arsenic	ND	1.79	**12**
Barium	68	94.1	**550**
Cadmium	0.37	0.23	**3.9**
Chromium	2.39	5.84	**23**
Lead	8.35	97.2	**400**
Mercury	0.054	0.073	**2.3**
Selenium	ND	ND	**39**
Silver	ND	ND	**39**
Volatiles (mg/kg):			
Benzene	ND	ND	**1.5**
Ethylbenzene	ND	ND	**160**
Toluene	ND	ND	**68**
Xylene (total)	ND	ND	**18**
Semivolatiles (mg/kg):			
1,2,4-Trichlorobenzene	ND	ND	**66**
1,2Diphenylhydrazine/Azobenzene	ND	ND	**NS**
2,4,5-Trichlorophenol	ND	ND	**530**
2,4,6-Trichlorophenol	ND	ND	**40**
2,4-Dichlorophenol	ND	ND	**16**
2,4-Dinitrophenol	ND	ND	**71**
2,4-Dinitrotoluene	ND	ND	**8.9**
2,6-Dinitrotoluene	ND	ND	**4.3**
2-Chloronaphthalene	ND	ND	**500**
2-Chlorophenol	ND	ND	**15**
2-Methylnaphthalene	ND	ND	**22**
2-Nitroaniline	ND	ND	**1.7**
2-Nitrophenol	ND	ND	**NS**
3,3'-Dichlorobenzidine	ND	ND	**0.97**
3-Nitroaniline	ND	ND	**13**
4,6-Dinitro-2-methylphenol	ND	ND	**NS**
4-Chloro-3-methylphenol	ND	ND	**NS**
4-Chloroaniline	ND	ND	**16**
4-Chlorophenyl phenyl ether	ND	ND	**NS**
Acenaphthene	ND	ND	**370**
Acenaphthylene	ND	ND	**350**
Aniline	ND	ND	**2.4**
Anthracene	ND	ND	**2200**
Benzo(a)anthracene	ND	***1.04***	**0.62**
Benzo(a)pyrene	ND	***1.05***	**0.33**
Benzo(b)fluoranthene	ND	***1.99***	**0.62**
Benzo(g,h,i)perylene	ND	1.11	**NS**
Benzo(k)fluoranthene	ND	0.999	**6.2**
Benzyl alcohol	ND	ND	**NS**
Bis(2-Chloroethoxy)methane	ND	ND	**NS**
Bis(2-Chloroethyl)ether	ND	ND	**0.33**
Bis(2-Chloroisopropyl)ether	ND	ND	**4.9**
Bis(2-Ethylhexyl)phthalate	ND	ND	**35**
4-Bromophenyl phenyl ether	ND	ND	**NS**
Butyl benzyl phthalate	ND	ND	**220**
Carbazole	ND	ND	**NS**
Chrysene	ND	1.33	**62**
Di-n-butyl phthalate	ND	ND	**NS**
Di-n-octyl phthalate	ND	ND	**240**
Dibenz(a,h)anthracene	ND	***0.453***	**0.33**
Dibenzofuran	ND	ND	**29**
Diethyl phthalate	ND	ND	**670**
Dimethyl phthalate	ND	ND	**1500**
2,4-Dimethylphenol	ND	ND	**93**
Fluoranthene	ND	1.17	**220**
Fluorene	ND	ND	**280**
Hexachlorobenzene	ND	ND	**0.34**
Hexachlorobutadiene	ND	ND	**0.82**
Hexachlorocyclopentadiene	ND	ND	**1.4**
Hexachloroethane	ND	ND	**5.2**
Indeno(1,2,3-cd)pyrene	ND	***1.41***	**0.62**
Isophorone	ND	ND	**340**
Naphthalene	ND	ND	**6.2**
4-Nitroaniline	ND	ND	**1.0**
Nitrobenzene	ND	ND	**2.2**
4-Nitrophenol	ND	ND	**32**
Pentachlorophenol	ND	ND	**2.8**
Phenanthrene	ND	0.49	**2100**
Phenol	ND	ND	**1300**
Pyrene	ND	1.31	**230**
Pyridine	ND	ND	**NS**
m,p-Cresol	ND	ND	**NS**
n-Nitrosodi-n-propylamine	ND	ND	**0.33**
n-Nitrosodimethylamine	ND	ND	**NS**
n-Nitrosodiphenylamine	ND	ND	**90**
o-Cresol	ND	ND	**NS**

ND = Not Detected above the reporting detection limit (RDL)
NS = No RECAP Standard established for analyte
Values in bold italics exceed the RECAP Soil Screening Standards for those analytes.

TABLE 5

ANALYTICAL RESULTS
SURFACE WATER SAMPLES

Table 5
Analytical Results
Surface Water Samples
National Park Service - Jones Point
Jefferson Parish, Louisiana

Analyte	SW-1	SW-2	RECAP Groundwater Screening Option Limit - Non-Industrial (mg/L) - GW_SS
Metals (mg/L):			
Arsenic	ND	ND	**0.01**
Barium	0.067	0.059	**2.0**
Cadmium	ND	ND	**0.005**
Chromium	ND	ND	**0.1**
Lead	ND	ND	**0.015**
Mercury	ND	ND	**0.002**
Selenium	ND	ND	**0.05**
Silver	ND	ND	**0.018**
Volatiles (mg/L):			
Benzene	ND	ND	**0.005**
Ethylbenzene	ND	ND	**0.7**
Toluene	ND	ND	**1.0**
Xylene (total)	ND	ND	**10**
Semivolatiles (mg/L):			
1,2,4-Trichlorobenzene	ND	ND	**0.07**
1,2Diphenylhydrazine/Azobenzene	ND	ND	**NS**
2,4,5-Trichlorophenol	ND	ND	**0.37**
2,4,6-Trichlorophenol	ND	ND	**0.01**
2,4-Dichlorophenol	ND	ND	**0.011**
2,4-Dinitrophenol	ND	ND	**0.05**
2,4-Dinitrotoluene	ND	ND	**0.01**
2,6-Dinitrotoluene	ND	ND	**0.01**
2-Chloronaphthalene	ND	ND	**0.049**
2-Chlorophenol	ND	ND	**0.01**
2-Methylnaphthalene	ND	ND	**0.00062**
2-Nitroaniline	ND	ND	**0.05**
2-Nitrophenol	ND	ND	**NS**
3,3'-Dichlorobenzidine	ND	ND	**0.02**
3-Nitroaniline	ND	ND	**0.05**
4,6-Dinitro-2-methylphenol	ND	ND	**NS**
4-Chloro-3-methylphenol	ND	ND	**NS**
4-Chloroaniline	ND	ND	**0.02**
4-Chlorophenyl phenyl ether	ND	ND	**NS**
Acenaphthene	ND	ND	**0.37**
Acenaphthylene	ND	ND	**0.1**
Aniline	ND	ND	**0.012**
Anthracene	ND	ND	**0.043**
Benzo(a)anthracene	ND	ND	**0.0078**
Benzo(a)pyrene	ND	ND	**0.0002**
Benzo(b)fluoranthene	ND	ND	**0.0048**
Benzo(g,h,i)perylene	ND	ND	**NS**
Benzo(k)fluoranthene	ND	ND	**0.0025**
Benzyl alcohol	ND	ND	**NS**
Bis(2-Chloroethoxy)methane	ND	ND	**NS**
Bis(2-Chloroethyl)ether	ND	ND	**0.0057**
Bis(2-Chloroisopropyl)ether	ND	ND	**0.0057**
Bis(2-Ethylhexyl)phthalate	0.00356	ND	**0.006**
4-Bromophenyl phenyl ether	ND	ND	**NS**
Butyl benzyl phthalate	ND	ND	**0.73**
Carbazole	ND	ND	**NS**
Chrysene	ND	ND	**0.0016**
Di-n-butyl phthalate	ND	ND	**NS**
Di-n-octyl phthalate	ND	ND	**0.02**
Dibenz(a,h)anthracene	ND	ND	**0.0025**
Dibenzofuran	ND	ND	**0.01**
Diethyl phthalate	ND	ND	**2.9**
Dimethyl phthalate	ND	ND	**37**
2,4-Dimethylphenol	ND	ND	**0.073**
Fluoranthene	ND	ND	**0.15**
Fluorene	ND	ND	**0.024**
Hexachlorobenzene	ND	ND	**0.001**
Hexachlorobutadiene	ND	ND	**0.00073**
Hexachlorocyclopentadiene	ND	ND	**0.05**
Hexachloroethane	ND	ND	**0.01**
Indeno(1,2,3-cd)pyrene	ND	ND	**0.0037**
Isophorone	ND	ND	**0.07**
Naphthalene	ND	ND	**0.01**
4-Nitroaniline	ND	ND	**0.05**
Nitrobenzene	ND	ND	**0.0019**
4-Nitrophenol	ND	ND	**0.05**
Pentachlorophenol	ND	ND	**0.001**
Phenanthrene	ND	ND	**0.18**
Phenol	ND	ND	**0.18**
Pyrene	ND	ND	**0.18**
Pyridine	ND	ND	**NS**
m,p-Cresol	ND	ND	**NS**
n-Nitrosodi-n-propylamine	ND	ND	**0.01**
n-Nitrosodimethylamine	ND	ND	**NS**
n-Nitrosodiphenylamine	ND	ND	**0.014**
o-Cresol	ND	ND	**NS**

ND = Not Detected above the reporting detection limit (RDL)

APPENDICES

APPENDIX A

REGULATORY DATABASE SEARCH

NPS Jones Point
Hwy 301 S
Lafitte, LA 70067

Inquiry Number: 2624724.2s
October 27, 2009

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

HWY 301 S
LAFITTE, LA 70067

COORDINATES

Latitude (North):	29.744800 - 29° 44' 41.3''
Longitude (West):	90.139200 - 90° 8' 21.1''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	776685.1
UTM Y (Meters):	3293757.5
Elevation:	1 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	29090-F2 BARATARIA, LA
Most Recent Revision:	1973
North Map:	29090-G2 LAKE CATAOUATCHE EAST, LA
Most Recent Revision:	1982

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Transporters, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ..... Potential and Confirmed Sites List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Landfill List
DEBRIS ..... LDEQ Approved Debris Sites

State and tribal leaking storage tank lists

LUST ..... Leaking Underground Storage Tanks
HIST LUST ..... Underground Storage Tank Case History Incidents
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST ..... Louisiana Underground Storage Tank Database
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL ..... Conveyance Notice Listing

State and tribal voluntary cleanup sites

VCP ---- Voluntary Remediation Program Sites
INDIAN VCP ---- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
SWRCY ---- Recycling Directory
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---- Clandestine Drug Labs
US HIST CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---- CERCLA Lien Information
LUCIS ---- Land Use Control Information System
LIENS ---- Environmental Liens

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
SPILLS ---- Emergency Response Section Incidents

Other Ascertainable Records

RCRA-NonGen ---- RCRA - Non Generators
DOT OPS ---- Incident and Accident Data
DOD ---- Department of Defense Sites
FUDS ---- Formerly Used Defense Sites
CONSENT ---- Superfund (CERCLA) Consent Decrees
ROD ---- Records Of Decision
UMTRA ---- Uranium Mill Tailings Sites
MINES ---- Mines Master Index File
TRIS ---- Toxic Chemical Release Inventory System
TSCA ---- Toxic Substances Control Act
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ---- Section 7 Tracking Systems
ICIS ---- Integrated Compliance Information System
PADS ---- PCB Activity Database System
MLTS ---- Material Licensing Tracking System

RADINFO ---------- Radiation Information Database
FINDS ---------- Facility Index System/Facility Registry System
RAATS ---------- RCRA Administrative Action Tracking System
DRYCLEANERS ---------- Drycleaner Facility Listing
NPDES ---------- LPDES Permits Database
INDIAN RESERV ---------- Indian Reservations
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
COAL ASH ---------- Coal Ash Disposal Sites
PCB TRANSFORMER ---------- PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants ---- EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations ---- EDR Proprietary Historic Gas Stations
EDR Historical Cleaners ---------- EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

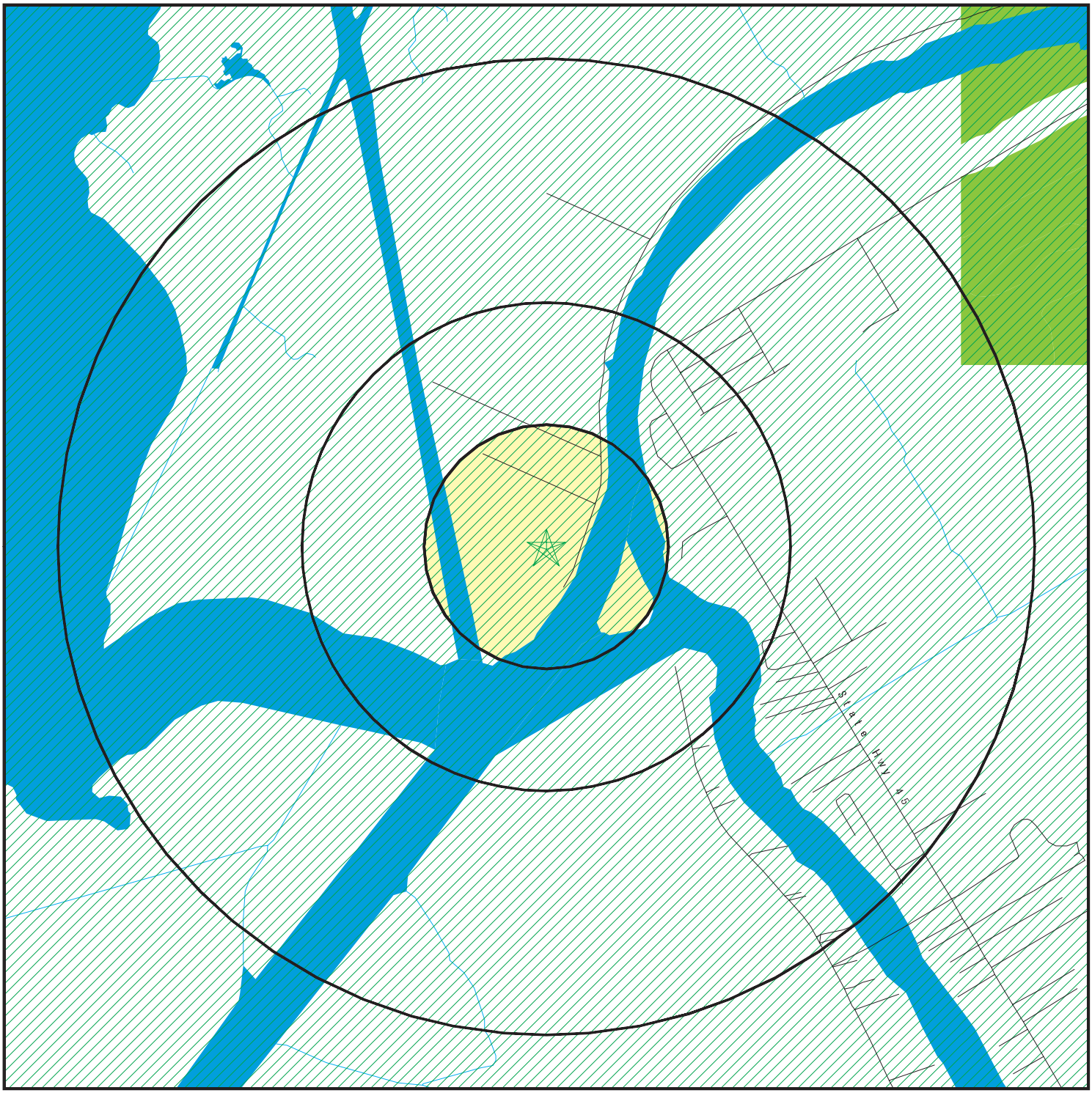
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SEMCO LLC - CROWN POINT FACILITY	NPDES
JEFFERSON PARISH DEPT OF SEWERAGE	SWF/LF, NPDES
GENERAL CHEMICAL CORP	SHWS
GET GO WESTBANK EXPRESSWAY	SPILLS, UST
LAFITTE SEAWAY MARINA INC	UST, HIST LUST
ASPLUNDH - LAFITTE HWY DEBRIS SITE	SWF/LF
NEVIL & ASHLEY PIZANI	LUST, UST
COCHIARA MARINA	LUST
DENNY'S FOOD MART	UST
COCHIARA MARINA	UST
SISTER MART DBA LUCKY MART	UST
ALUMINUM BOATS INC	RCRA-SQG, FINDS
KERNERS WESTERN AUTO	RCRA-SQG, FINDS
CHEVRON USA INC	FINDS, RCRA-LQG
CHEVRON USA INC	FINDS, RCRA-NonGen
CHEVRON USA INC	FINDS, RCRA-NonGen
L & L OIL CO INC	FINDS, RCRA-NonGen
USF DUGAN	RCRA-NonGen
BARNETT MARINE INC	FINDS, RCRA-CESQG
HARD ROCK MARINE SERVICES LLC	RCRA-CESQG
1/2 MILE SOUTH OF ST. MARY POINT B	ERNS
EAST OF PLUM POINT	ERNS
PLUMB POINT FIELD LITTLE LAKE	ERNS
PLUMB POINT FIELD	ERNS
CROWN POINT INDUSTRIES INC	FINDS

OVERVIEW MAP - 2624724.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

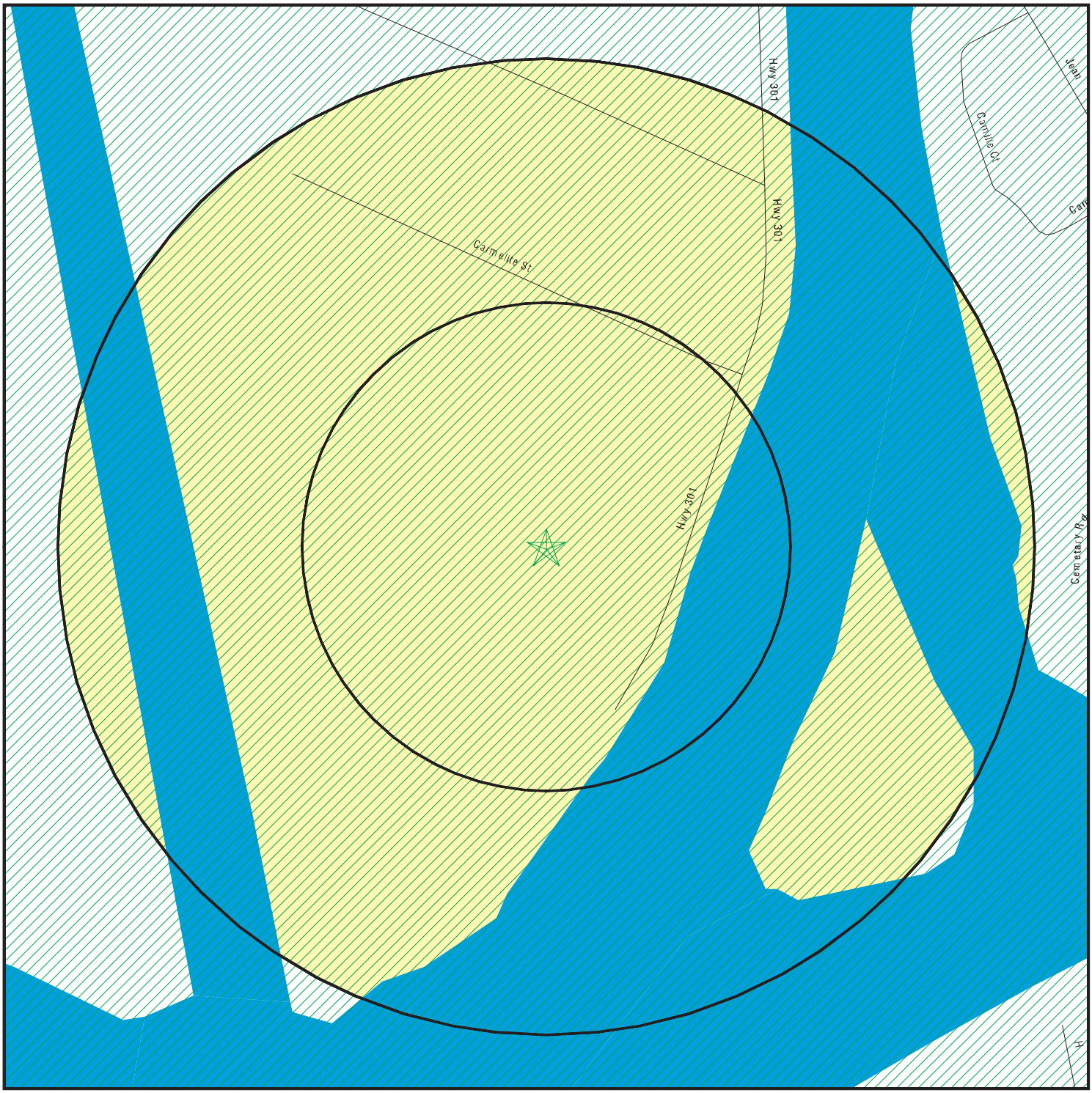
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

N

SITE NAME: NPS Jones Point	CLIENT: Quaternary Resource Invest.LLC
ADDRESS: Hwy 301 S	CONTACT: Kern Rouly
Lafitte LA 70067	INQUIRY #: 2624724.2s
LAT/LONG: 29.7448 / 90.1392	DATE: October 27, 2009 3:55 pm

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DETAIL MAP - 2624724.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

SITE NAME: NPS Jones Point	CLIENT: Quaternary Resource Invest.LLC
ADDRESS: Hwy 301 S Lafitte LA 70067	CONTACT: Kern Rouly
LAT/LONG: 29.7448 / 90.1392	INQUIRY #: 2624724.2s DATE: October 27, 2009 3:55 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		1.000	0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
DEBRIS		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	0	0	0	NR	NR	0
HIST LUST		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

NO SITES FOUND

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BARATARIA	1000433960	CHEVRON USA INC	HWY 45 JEFFERSON PAR	70036	FINDS, RCRA-LQG
BARATARIA	U004010534	NEVIL & ASHLEY PIZANI	BOX 342 HWY 301	70036	LUST, UST
BARATARIA	1000433967	CHEVRON USA INC	FLEMING PLANTATION TANK BAT	70036	FINDS, RCRA-NonGen
BARATARIA	1000433966	CHEVRON USA INC	FLEMING H UNT TANK BATTERY	70036	FINDS, RCRA-NonGen
CROWN POINT	1000300319	ALUMINUM BOATS INC	ROSETHORN RD 2 M N HWY 45	70072	RCRA-SQG, FINDS
LAFITTE	1004513845	CROWN POINT INDUSTRIES INC	HWY 303	70067	FINDS
LAFITTE	1004714194	BARNETT MARINE INC	HWY 45 LOT 39	70067	FINDS, RCRA-CESQG
LAFITTE	1000313482	KERNERS WESTERN AUTO	HWY 45 15 M S MARRERS	70067	RCRA-SQG, FINDS
LAFITTE	U000216928	DENNY'S FOOD MART	HWY 45 @ HWY 301	70036	UST
LAFITTE	U000215258	LAFITTE SEAWAY MARINA INC	END OF HWY 45	70067	UST, HIST LUST
LAFITTE	S108331487	SEMCO LLC - CROWN POINT FACILITY	186 JEAN LAFITTE BLVD	70067	NPDES
LAFITTE	U003926283	COCHIARA MARINA	4477 JEAN LAFITTE BLVD	70067	UST
LAFITTE	U003924035	SISTER MART DBA LUCKY MART	798 JEAN LAFITTE DR	70067	UST
LAFITTE	S109094315	COCHIARA MARINA	4477 JEAN LAFITTE BLVD	70067	LUST
LAFITTE	S108336895	JEFFERSON PARISH DEPT OF SEWERAGE	865 JEAN LAFITTE BLVD	70067	SWF/LF, NPDES
LAFITTE	1000827300	HARD ROCK MARINE SERVICES LLC	709 JEAN LAFITTE BLVD	70067	RCRA-CESQG
LAFITTE	984622840	1/2 MILE SOUTH OF ST. MARY POINT B	1/2 MILE SOUTH OF ST. MARY POI		ERNS
LAFITTE	92274047	EAST OF PLUM POINT	EAST OF PLUM POINT	70067	ERNS
LAFITTE	92295770	PLUMB POINT FIELD LITTLE LAKE	PLUMB POINT FIELD LITTLE LAKE		ERNS
LAFITTE	93321464	PLUMB POINT FIELD	PLUMB POINT FIELD		ERNS
MARRERO	1000125764	L & L OIL CO INC	HWY 45 S 12 M S HWY 9 INTC CIT	70072	FINDS, RCRA-NonGen
MARRERO	1010318388	USF DUGAN	BARATARIA BLVD & JEAN LAFITTE	70072	RCRA-NonGen
MARRERO	U003921545	GENERAL CHEMICAL CORP	6526 FOURTH ST	70072	SHWS
MARRERO	S109278147	ASPLUNDH - LAFITTE HWY DEBRIS SITE	6101 LEO KENNER/LAFITE HWY	70072	SWF/LF
MARRERO	U003923538	GET GO WESTBANK EXPRESSWAY	4915 WESTBANK EXPRESSWAY	70072	SPILLS, UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 07/31/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 52

Source: EPA
Telephone: N/A
Last EDR Contact: 10/14/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 07/31/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 52

Source: EPA
Telephone: N/A
Last EDR Contact: 10/14/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 07/31/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 52

Source: EPA
Telephone: N/A
Last EDR Contact: 10/14/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/30/2009
Date Data Arrived at EDR: 08/11/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 41

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 09/09/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/30/2009
Date Data Arrived at EDR: 07/01/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/31/2009
Next Scheduled EDR Contact: 11/30/2009
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 05/15/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 62

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Potential and Confirmed Sites List

Confirmed status denotes that assessments have been performed and a determination made that (1) hazardous waste(s) or substance(s) are present at the site and (2) these sites are under the jurisdiction of the LDEQ/RSD. Potential status is an indicator that sites are either waiting to be assessed or the assessment is in progress.

Date of Government Version: 06/08/2009
Date Data Arrived at EDR: 07/01/2009
Date Made Active in Reports: 07/27/2009
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Landfill List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/06/2009
Date Data Arrived at EDR: 07/27/2009
Date Made Active in Reports: 08/25/2009
Number of Days to Update: 29

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 09/23/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Annually

DEBRIS: LDEQ Approved Debris Sites

A listing of LDEQ Approved Debris Sites where hurricane debris is dumped.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 02/03/2009
Date Made Active in Reports: 03/31/2009
Number of Days to Update: 56

Source: Department of Environmental Quality
Telephone: 225-219-3953
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Varies

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/08/2009
Date Data Arrived at EDR: 07/01/2009
Date Made Active in Reports: 07/27/2009
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

HIST LUST: Underground Storage Tank Case History Incidents

This listing includes detailed information for Leaking Underground Storage Tanks reported through November 1999. It is no longer updated. Current LUST incidents, without detail, can be found in the Leaking Underground Storage Tank Database

Date of Government Version: 11/01/1999
Date Data Arrived at EDR: 02/16/2000
Date Made Active in Reports: 05/01/2000
Number of Days to Update: 75

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 12/04/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 08/21/2009
Date Data Arrived at EDR: 10/06/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 28

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/21/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Louisiana Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/18/2008
Date Data Arrived at EDR: 08/29/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 11

Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/21/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/21/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/22/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Listing of Institutional and/or Enginnering Controls
A notice of contamination (nature and levels of contaminants) and restriction of property to non-residential use are placed in the conveyance records for the property.

Date of Government Version: 05/15/2007
Date Data Arrived at EDR: 06/05/2007
Date Made Active in Reports: 07/12/2007
Number of Days to Update: 37
Source: Department of Environmental Quality
Telephone: 225-219-3168
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Remediation Program Sites
Sites that have entered the Department of Environmental Quality's Voluntary Remediation Program

Date of Government Version: 07/27/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 09/10/2009
Number of Days to Update: 14
Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 11/14/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/11/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/23/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Varies

SWRCY: Recycling Directory
A listing of recycling facilities.

Date of Government Version: 01/06/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 02/03/2009
Number of Days to Update: 26
Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/26/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/01/2009
Date Data Arrived at EDR: 06/22/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 91
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/26/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/18/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Varies

LIENS: Environmental Liens

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC ? 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition.

Date of Government Version: 08/10/2009
Date Data Arrived at EDR: 09/04/2009
Date Made Active in Reports: 09/23/2009
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/16/2009
Date Data Arrived at EDR: 07/16/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 67

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Annually

SPILLS: Emergency Response Section Incidents

Spills and/or releases, to land, reported to the Emergency Response Section.

Date of Government Version: 03/09/2009
Date Data Arrived at EDR: 05/06/2009
Date Made Active in Reports: 06/22/2009
Number of Days to Update: 47

Source: Department of Environmental Quality
Telephone: 225-219-3620
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Varies

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/24/2009
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/28/2009
Date Data Arrived at EDR: 06/23/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/10/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/10/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 09/29/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 08/21/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 05/27/2009
Date Data Arrived at EDR: 08/05/2009
Date Made Active in Reports: 09/29/2009
Number of Days to Update: 55

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/21/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/06/2009
Date Data Arrived at EDR: 07/13/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 70

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/21/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/28/2009
Date Data Arrived at EDR: 07/28/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/16/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2009
Date Data Arrived at EDR: 07/28/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 55

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/09/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Biennially

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner facilities.

Date of Government Version: 01/22/2007
Date Data Arrived at EDR: 01/30/2007
Date Made Active in Reports: 03/22/2007
Number of Days to Update: 51
Source: Department of Environmental Quality
Telephone: 225-219-3168
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Varies

NPDES: LPDES Permits Database
A listing of sites with a Louisiana Pollutant Discharge Elimination System (LPDES) program issued permit.

Date of Government Version: 08/17/2009
Date Data Arrived at EDR: 09/16/2009
Date Made Active in Reports: 09/30/2009
Number of Days to Update: 14
Source: Department of Environmental Quality
Telephone: 225-219-3181
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/09/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 43
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: N/A

COAL ASH: Coal Ash Disposal Sites
A listing of coal ash impoundments.

Date of Government Version: 07/31/2009
Date Data Arrived at EDR: 07/31/2009
Date Made Active in Reports: 08/25/2009
Number of Days to Update: 25
Source: Department of Environmental Quality
Telephone: 225-219-3168
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/21/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ORLEANS COUNTY:

Brownfields Inventory
Brownfields are abandoned, idled, or underused industrial or commercial real property, the expansion, redevelopment or reuse of which may be complicated by the presence of or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 08/11/2009
Date Data Arrived at EDR: 08/11/2009
Date Made Active in Reports: 08/25/2009
Number of Days to Update: 14

Source: New Orleans Office of Environmental Affairs
Telephone: 504-658-4070
Last EDR Contact: 08/11/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: Quarterly

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 09/09/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 25

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NPS JONES POINT
HWY 301 S
LAFITTE, LA 70067

TARGET PROPERTY COORDINATES

Latitude (North):	29.74480 - 29° 44' 41.3''
Longitude (West):	90.1392 - 90° 8' 21.1''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	776685.1
UTM Y (Meters):	3293757.5
Elevation:	1 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	29090-F2 BARATARIA, LA
Most Recent Revision:	1973
North Map:	29090-G2 LAKE CATAOUATCHE EAST, LA
Most Recent Revision:	1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

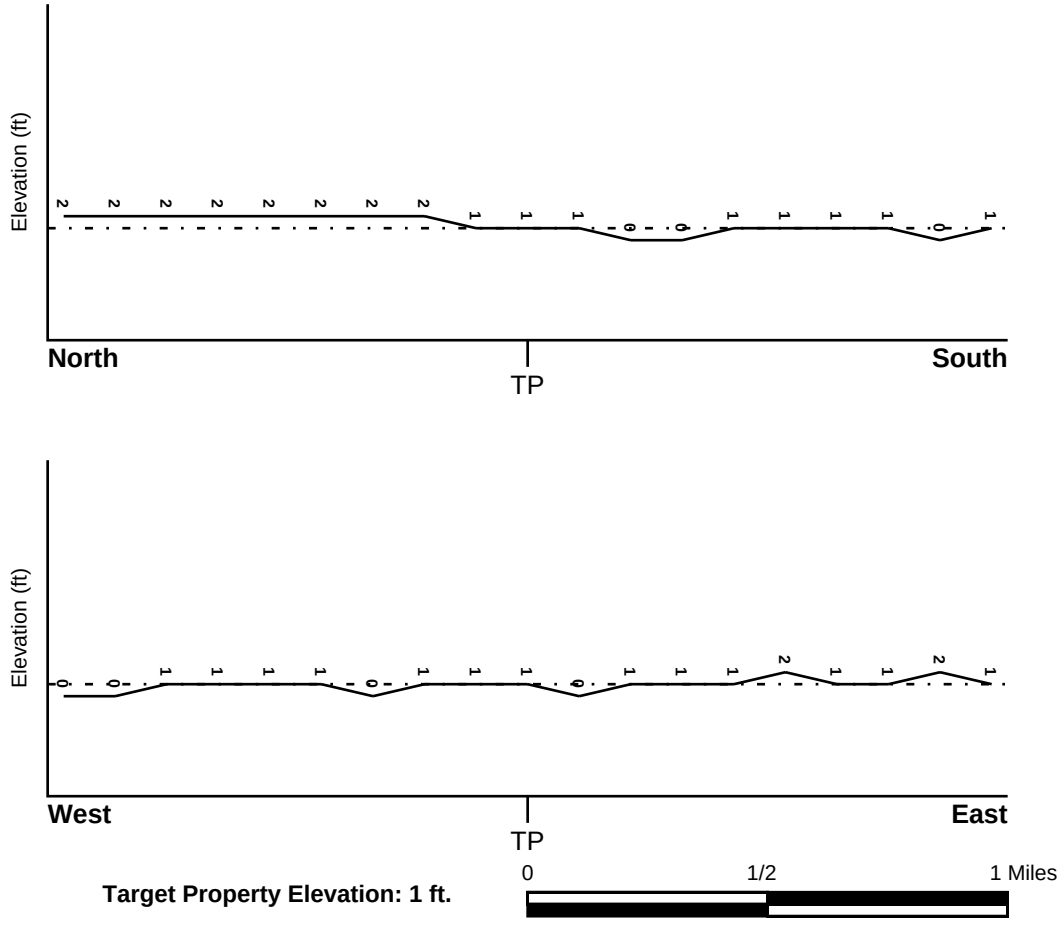
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
JEFFERSON, LA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 22051C0015E

Additional Panels in search area: 22051C0130E
22051C0125E

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BARATARIA	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

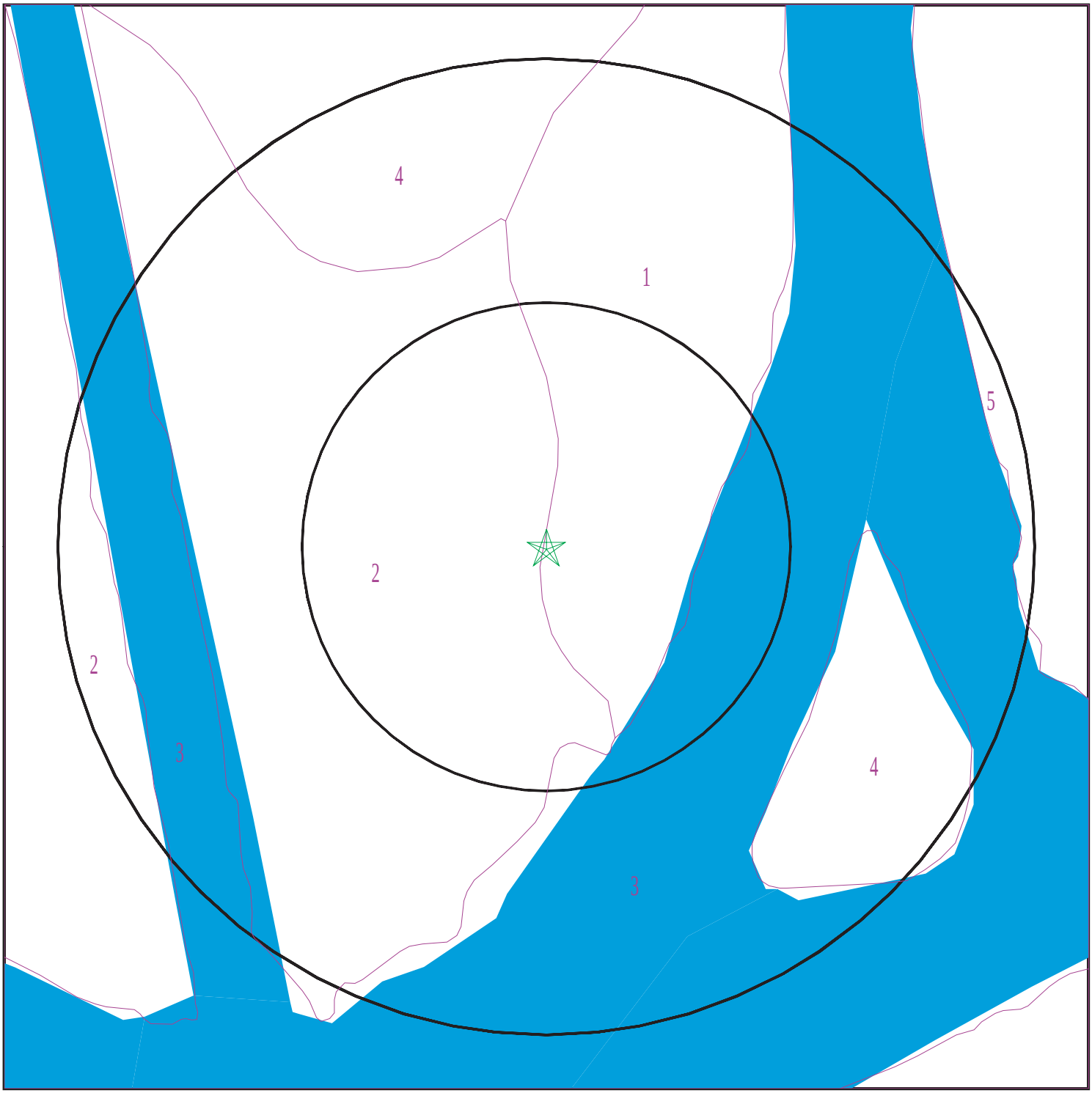
Era:	Cenozoic
System:	Quaternary
Series:	Holocene
Code:	Qh *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2624724.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	NPS Jones Point	CLIENT:	Quaternary Resource Invest.LLC
ADDRESS:	Hwy 301 S Lafitte LA 70067	CONTACT:	Kern Rouly
LAT/LONG:	29.7448 / 90.1392	INQUIRY #:	2624724.2s
		DATE:	October 27, 2009 3:55 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: SCHRIEVER

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.6
2	7 inches	55 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.6
3	55 inches	79 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: LAFITTE

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	55 inches	muck	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
2	55 inches	83 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: WATER, LARGE

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: BARBARY

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	muck	Not reported	Not reported	Max: 0.42 Min: 0	Max: 8.4 Min: 6.6
2	5 inches	66 inches	mucky clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: SCHRIEVER

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	silty clay loam	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.6
2	3 inches	44 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.6
3	44 inches	59 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

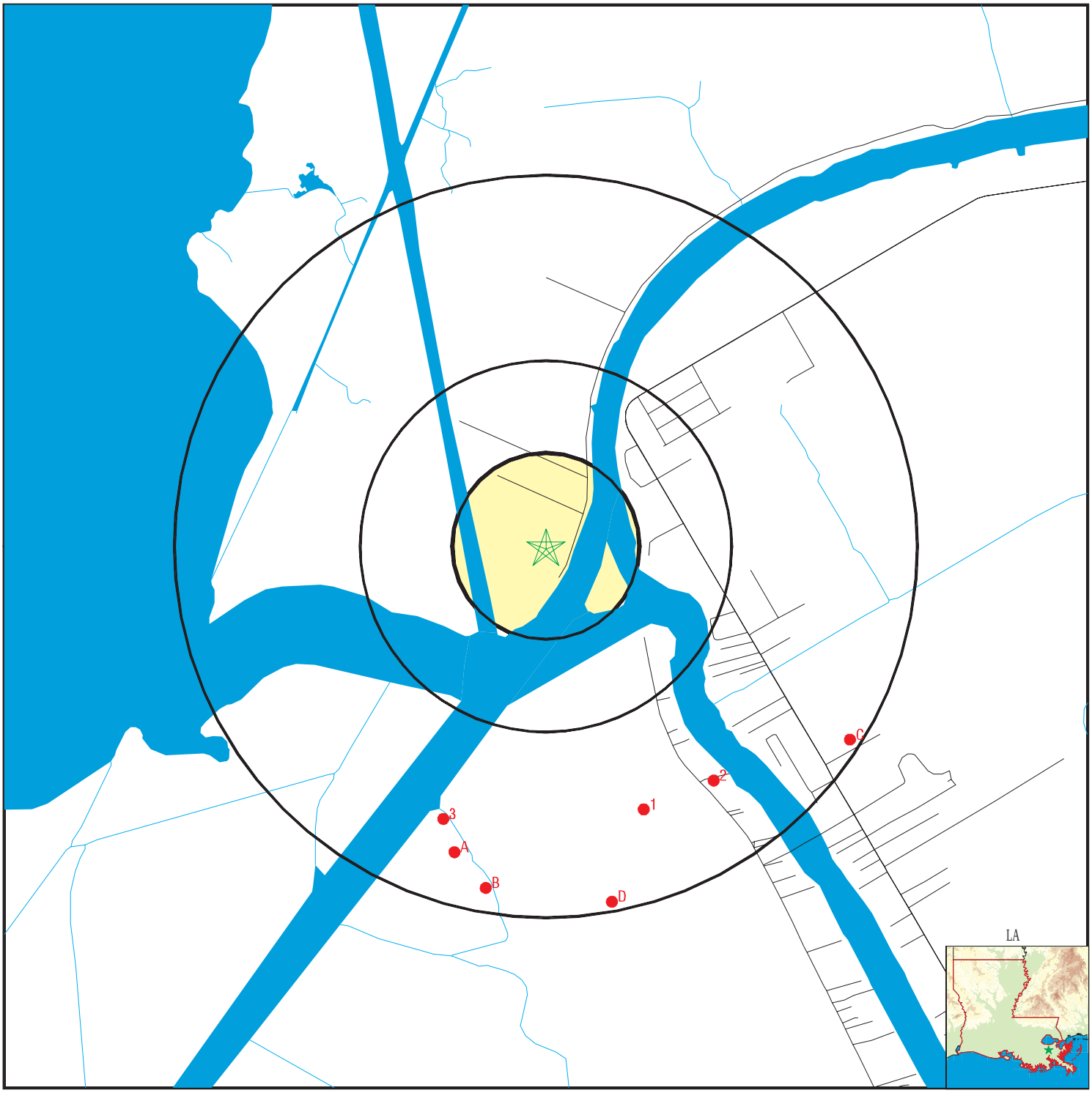
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	LAOG40000050991	1/2 - 1 Mile SSE
2	LAOG40000051095	1/2 - 1 Mile SE
3	LAOG40000050968	1/2 - 1 Mile SSW
A4	LAOG40000050850	1/2 - 1 Mile SSW
A5	LAOG40000050828	1/2 - 1 Mile SSW
B6	LAOG40000050683	1/2 - 1 Mile SSW
B7	LAOG40000050662	1/2 - 1 Mile South
C8	LAOG40000051257	1/2 - 1 Mile ESE
C9	LAOG40000051258	1/2 - 1 Mile ESE
D10	LAOG40000050623	1/2 - 1 Mile South
D11	LAOG40000050607	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 2624724.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

No contour lines were detected within this map area.

SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY #: 2624724.2s DATE: October 27, 2009 3:55 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SSE **OIL_GAS** **LAOG40000050991**
1/2 - 1 Mile

Well serial num:	6514	Wlc line id:	1
Coordinate syste:	01	Received date:	07-OCT-2003
Lambert x:	2380407	Lambert y:	390217
Zone:	S	Create date:	08-OCT-2003
Create username:	SONRIS_	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	05
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	Not Reported	Longitude minute:	Not Reported
Longitude degree:	Not Reported	Latitude seconds:	Not Reported
Latitude minutes:	Not Reported	Latitude degrees:	Not Reported
Surface lat dec :	29.7342671	Surface long dec:	90.1347327
Coordinate value:	9	G utmx:	777131.572209658
G utmy:	3292807.28772105	G laty:	29.7345207790561
G longx:	-90.1348207255408	Site id:	LAOG40000050991

2
SE **OIL_GAS** **LAOG40000051095**
1/2 - 1 Mile

Well serial num:	2563	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2381396	Lambert y:	390638
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	53.76	Longitude minute:	7
Longitude degree:	90	Latitude seconds:	7.44
Latitude minutes:	44	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	777431.330506667
G utmy:	3292940.0072372	G laty:	29.7356499559212
G longx:	-90.1316907858833	Site id:	LAOG40000051095

3
SSW **OIL_GAS** **LAOG40000050968**
1/2 - 1 Mile

Well serial num:	3757	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2377562	Lambert y:	390053
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	37.319	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	2.039
Latitude minutes:	44	Latitude degrees:	29

Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	776264.691128237
G utmy:	3292744.8119958	G laty:	29.7341513023471
G longx:	-90.1437898195007	Site id:	LAOG40000050968

A4
SSW
1/2 - 1 Mile

OIL_GAS **LAOG40000050850**

Well serial num:	3712	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2377915	Lambert y:	389620
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	33.359	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	57.719
Latitude minutes:	43	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	776374.237039041
G utmy:	3292614.31276301	G laty:	29.7329505810751
G longx:	-90.1426917971441	Site id:	LAOG40000050850

A5
SSW
1/2 - 1 Mile

OIL_GAS **LAOG40000050828**

Well serial num:	3757	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2377535	Lambert y:	389543
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	37.68	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	56.999
Latitude minutes:	43	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	776258.6914017
G utmy:	3292589.16668571	G laty:	29.7327496970182
G longx:	-90.1438915602795	Site id:	LAOG40000050828

B6
SSW
1/2 - 1 Mile

OIL_GAS **LAOG40000050683**

Well serial num:	3642	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2377984	Lambert y:	389112
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	32.64	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	52.679
Latitude minutes:	43	Latitude degrees:	29

Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	776397.504095706
G utmy:	3292459.69775201	G laty:	29.7315517341495
G longx:	-90.1424910287602	Site id:	LAOG40000050683

B7
South **OIL_GAS** **LAOG40000050662**
1/2 - 1 Mile

Well serial num:	3568	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2378366	Lambert y:	389043
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	28.32	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	51.96
Latitude minutes:	43	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	776514.299252353
G utmy:	3292440.3290009	G laty:	29.7313510838675
G longx:	-90.1412897591343	Site id:	LAOG40000050662

C8
ESE **OIL_GAS** **LAOG40000051257**
1/2 - 1 Mile

Well serial num:	5861	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2383326	Lambert y:	391240
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	31.799	Longitude minute:	7
Longitude degree:	90	Latitude seconds:	13.199
Latitude minutes:	44	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	778017.262221182
G utmy:	3293132.04735712	G laty:	29.7372495360654
G longx:	-90.1255898997345	Site id:	LAOG40000051257

C9
ESE **OIL_GAS** **LAOG40000051258**
1/2 - 1 Mile

Well serial num:	7587	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2383326	Lambert y:	391240
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	31.799	Longitude minute:	7
Longitude degree:	90	Latitude seconds:	13.2
Latitude minutes:	44	Latitude degrees:	29

Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	778017.262221182
G utmy:	3293132.04735712	G laty:	29.7372495360654
G longx:	-90.1255898997345	Site id:	LAOG40000051258

D10
South **OIL_GAS** **LAOG40000050623**
1/2 - 1 Mile

Well serial num:	5636	Wlc line id:	1
Coordinate syste:	01	Received date:	01-DEC-1976
Lambert x:	2379986	Lambert y:	388914
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	29-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	9.96	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	50.52
Latitude minutes:	43	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	777008.892914275
G utmy:	3292408.08513467	G laty:	29.7309499453215
G longx:	-90.1361900399436	Site id:	LAOG40000050623

D11
South **OIL_GAS** **LAOG40000050607**
1/2 - 1 Mile

Well serial num:	2042	Wlc line id:	1
Coordinate syste:	01	Received date:	01-SEP-1986
Lambert x:	2379953	Lambert y:	388887
Zone:	S	Create date:	02-MAY-1999
Create username:	CONVALL	Update date:	30-JAN-2009
Update username:	OPS$OOC	Coordinate sourc:	03
Coordinate prior:	1	Ground elevation:	Not Reported
Longitude second:	10.342	Longitude minute:	8
Longitude degree:	90	Latitude seconds:	50.247
Latitude minutes:	43	Latitude degrees:	29
Surface lat dec :	Not Reported	Surface long dec:	Not Reported
Coordinate value:	17	G utmx:	776998.947606356
G utmy:	3292399.70677584	G laty:	29.7308766495109
G longx:	-90.136294897413	Site id:	LAOG40000050607

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: LA Radon

Radon Test Results

Parish	Avg pCi/L	Total Sites
JEFFERSON	0.32212	104

Federal EPA Radon Zone for JEFFERSON County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for JEFFERSON COUNTY, LA

Number of sites tested: 99

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.328 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Louisiana Public Water Supply Wells
Source: Office of Public Health
Telephone: 504-568-5101

Water Well Registration Data File
Source: Department of Transportation and Development
Telephone: 225-274-4172

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Natural Resources
Telephone: 225-342-1977
Oil and gas well locations in Louisiana.

RADON

State Database: LA Radon
Source: Department of Environmenal Quality
Telephone: 225-925-1752
Radon Levels

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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NPS Jones Point
Hwy 301 S
Lafitte, LA 70067

Inquiry Number: 2624724.3
October 27, 2009

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/27/09

Site Name:
NPS Jones Point
Hwy 301 S
Lafitte, LA 70067

Client Name:
Quaternary Resource
13588 Florida Boulevard
Baton Rouge, LA 70819

EDR Inquiry # 2624724.3

Contact: Kern Rouly

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Quaternary Resource Invest.LLC were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: NPS Jones Point
Address: Hwy 301 S
City, State, Zip: Lafitte, LA 70067
Cross Street:
P.O. # NA
Project: NPS Jones Point
Certification # 4A5B-499E-B51B

Sanborn® Library search results
Certification # 4A5B-499E-B51B

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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APPENDIX B

HISTORICAL TOPOGRAPHIC MAPS

NPS Jones Point
Hwy 301 S
Lafitte, LA 70067

Inquiry Number: 2624724.4
October 27, 2009

The EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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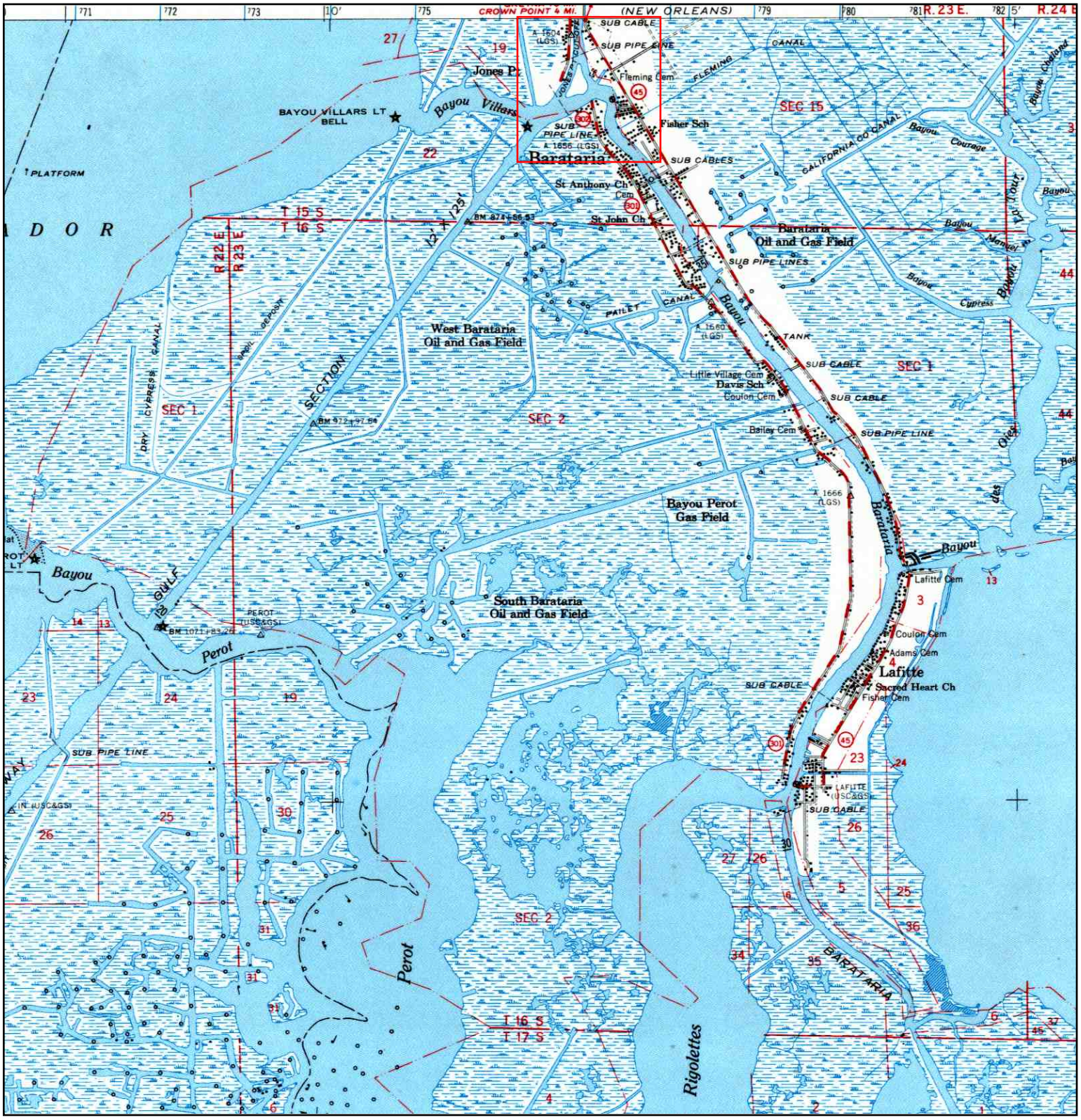
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Historical Topographic Map



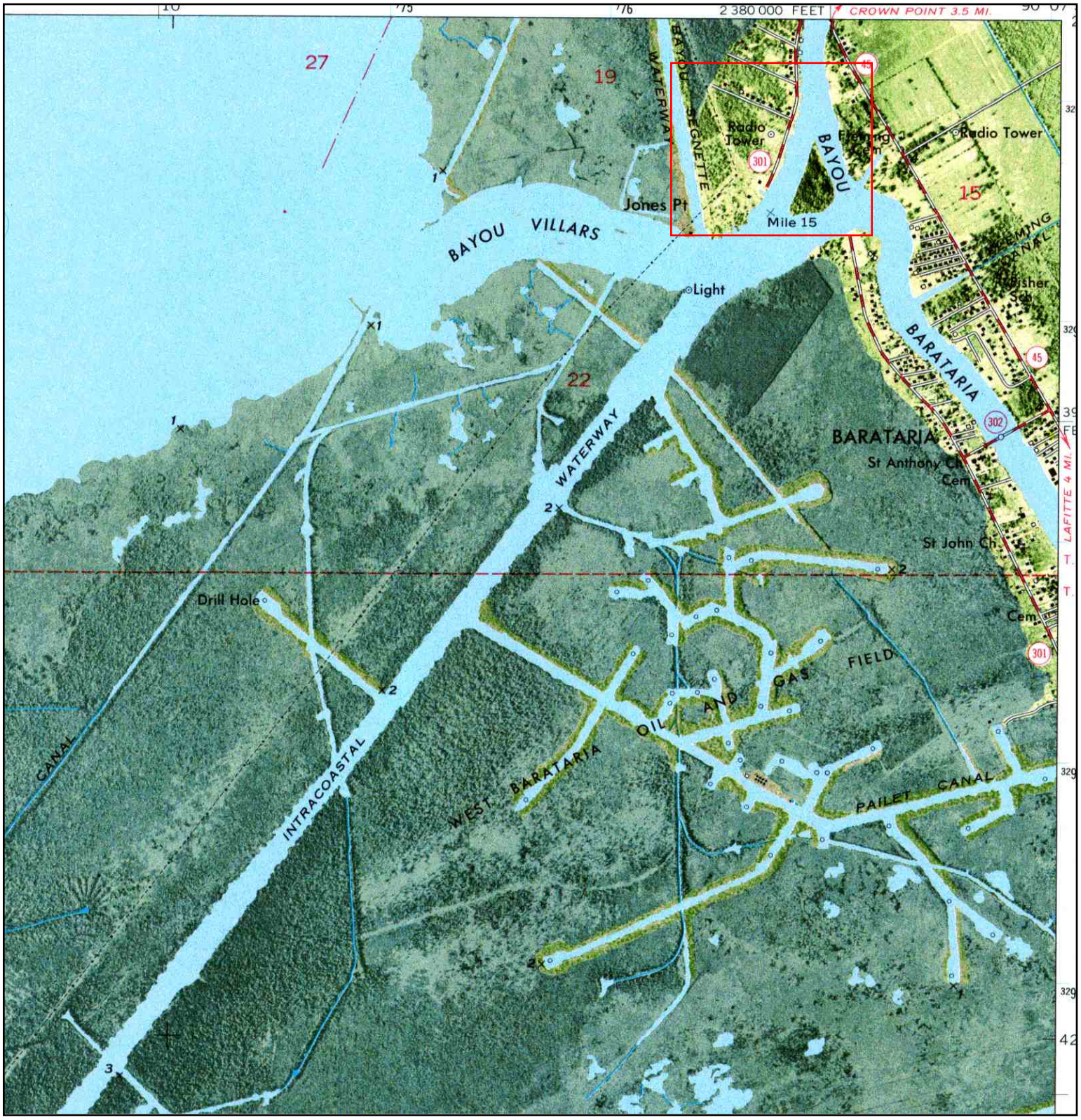
N	TARGET QUAD NAME: BARATARIA MAP YEAR: 1948 SERIES: 15 SCALE: 1:62500	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



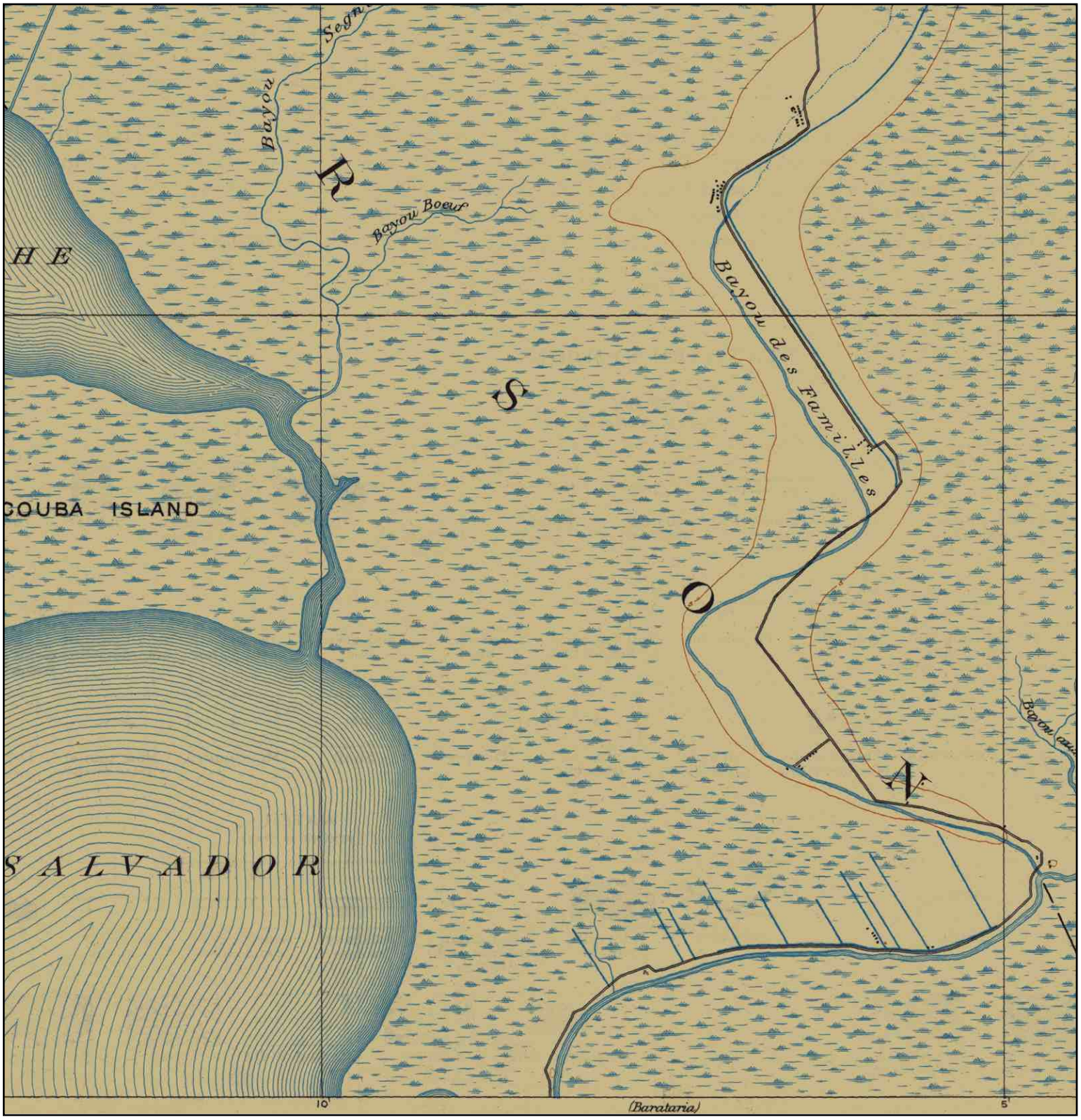
N	TARGET QUAD NAME: BARATARIA MAP YEAR: 1962 SERIES: 15 SCALE: 1:62500	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



N	TARGET QUAD NAME: BARATARIA MAP YEAR: 1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



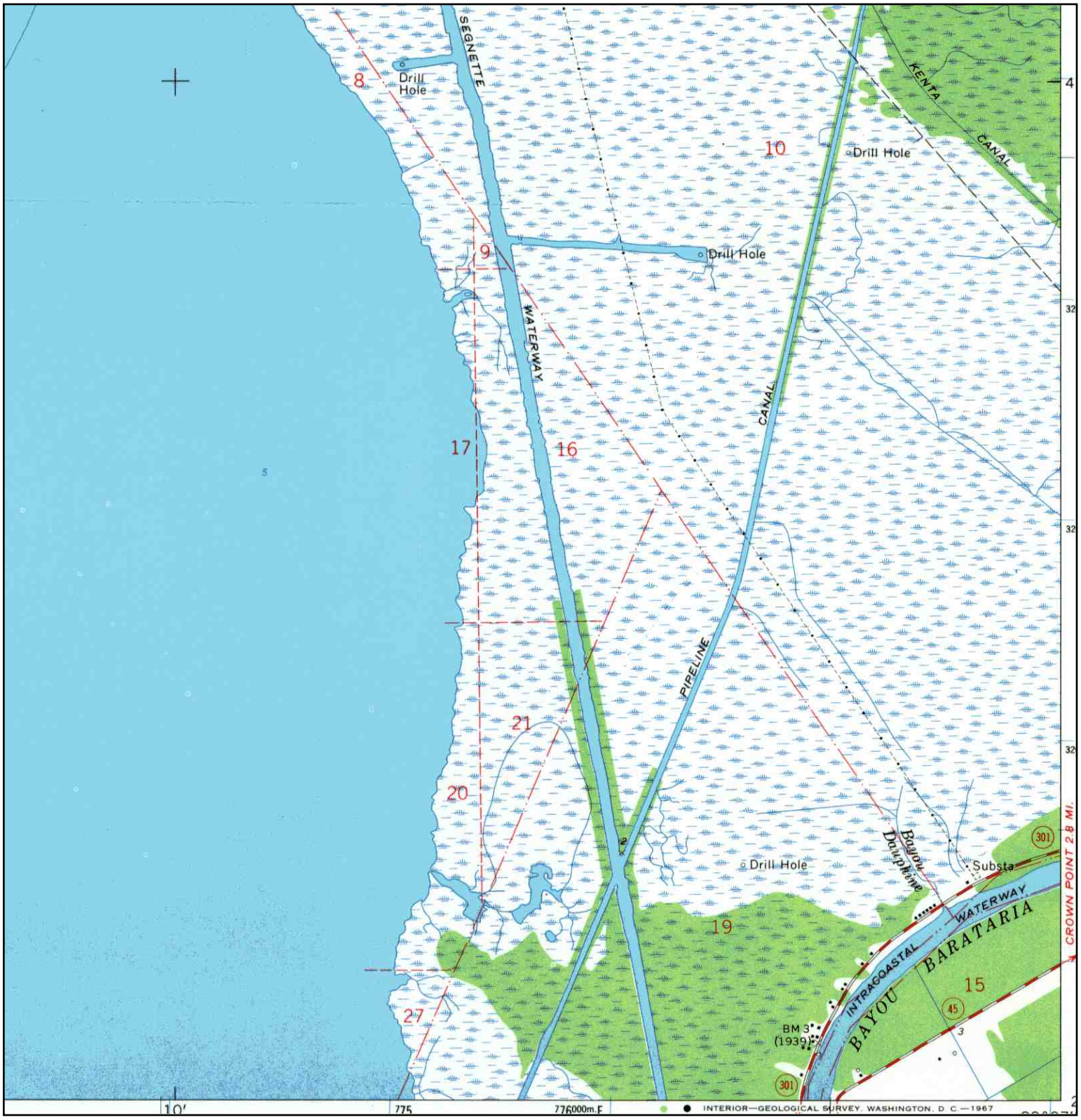
N	ADJOINING QUAD NAME: NEW ORLEANS MAP YEAR: 1891 SERIES: 15 SCALE: 1:62500	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



N	ADJOINING QUAD NAME: NEW ORLEANS MAP YEAR: 1954 SERIES: 15 SCALE: 1:62500	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



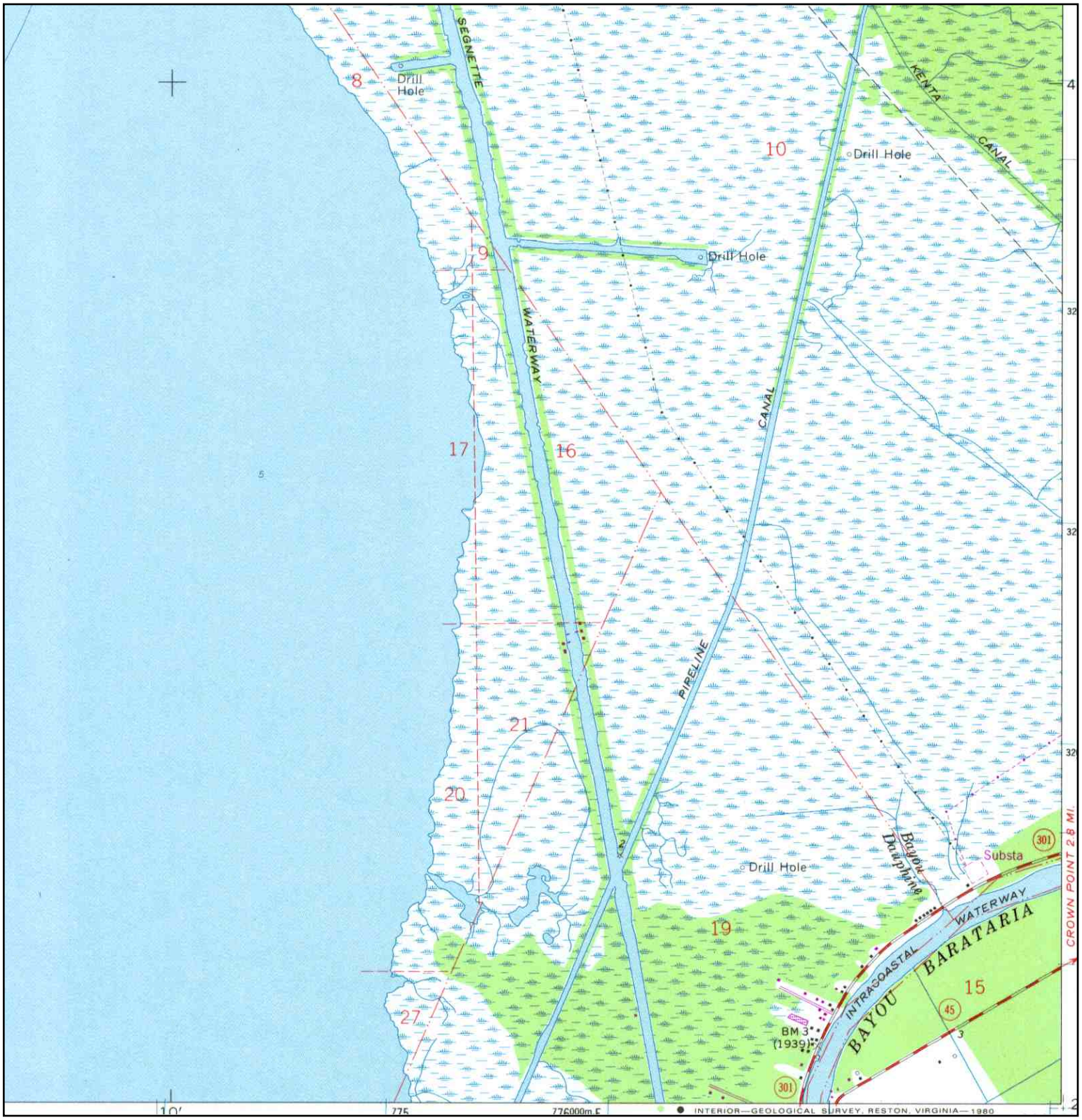
N	ADJOINING QUAD NAME: LAKE CATAOUATCHE EAST MAP YEAR: 1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



N	ADJOINING QUAD NAME: LAKE CATAOUATCHE EAST MAP YEAR: 1972 PHOTOREVISED FROM:1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



N	ADJOINING QUAD NAME: LAKE CATAOUATCHE EAST MAP YEAR: 1979 PHOTOREVISED FROM:1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

Historical Topographic Map



N	ADJOINING QUAD NAME: LAKE CATAOUATCHE EAST MAP YEAR: 1982 PHOTOINSPECTED FROM: 1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: NPS Jones Point ADDRESS: Hwy 301 S Lafitte, LA 70067 LAT/LONG: 29.7448 / 90.1392	CLIENT: Quaternary Resource Invest.LLC CONTACT: Kern Rouly INQUIRY#: 2624724.4 RESEARCH DATE: 10/27/2009

APPENDIX C

AERIAL PHOTOGRAPHS

NPS Jones Point
Hwy 301 S
Lafitte, LA 70067

Inquiry Number: 2624724.5
October 28, 2009

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
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800.352.0050
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Date EDR Searched Historical Sources:

Aerial Photography October 28, 2009

Target Property:

Hwy 301 S

Lafitte, LA 70067

Year	***Scale***	***Details***	***Source***
1982	Aerial Photograph. Scale: 1"=1000'	Panel #: 2429090-F2/Flight Date: November 13, 1982	EDR
1983	Aerial Photograph. Scale: 1"=1000'	Panel #: 2429090-F2/Flight Date: October 27, 1983	EDR
1995	Aerial Photograph. Scale: 1"=1000'	Panel #: 2429090-F2/Flight Date: January 08, 1995	EDR
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR
2006, 2005	Aerial Photograph. 1" = 604'	Flight Year: 2006,2005 composite photo	EDR


INQUIRY #: 2624724.5
YEAR: 1982
= 1000'
N

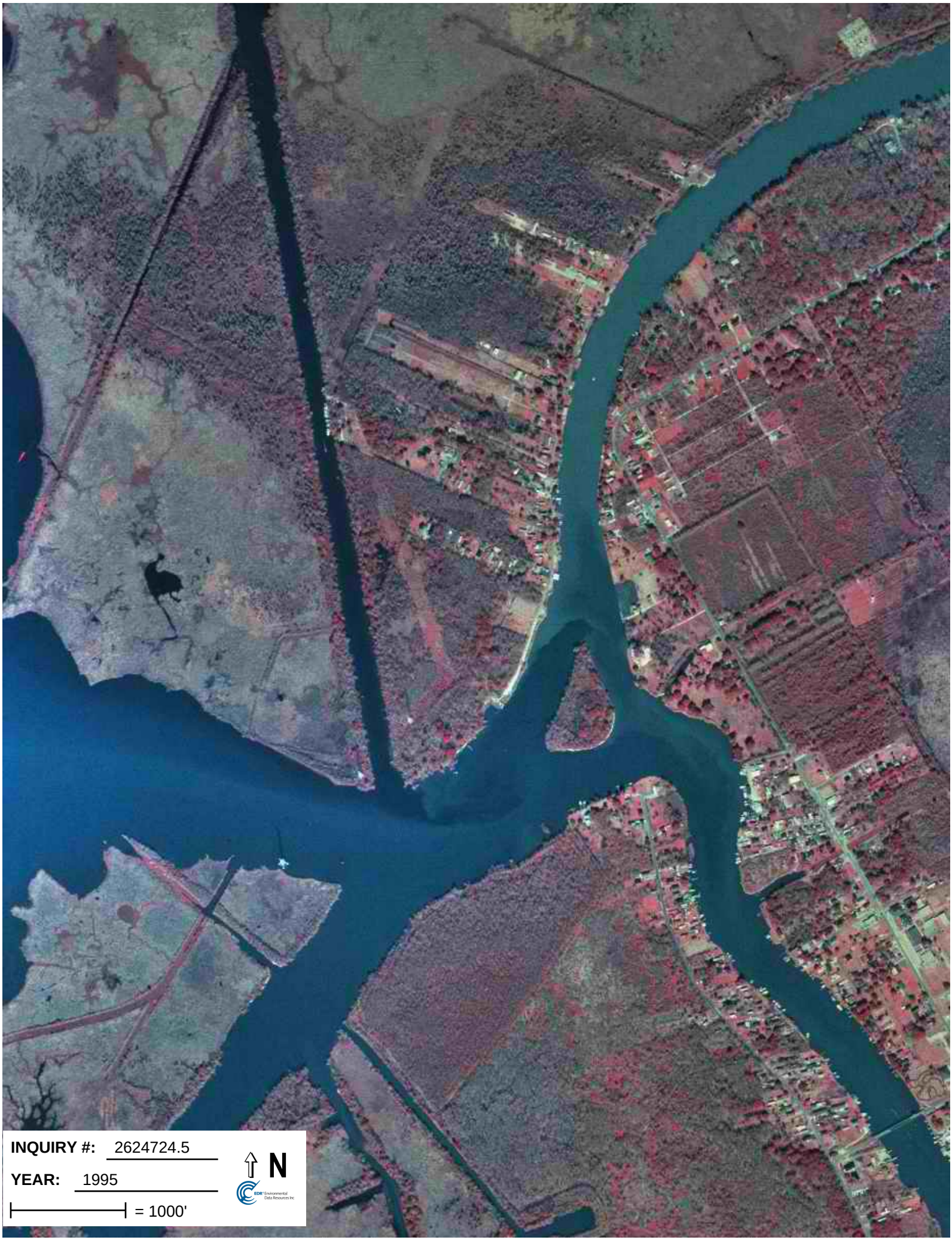


INQUIRY #: 2624724.5

YEAR: 1983

= 1000'

N


INQUIRY #: 2624724.5
YEAR: 1995
= 1000'
N


INQUIRY #: 2624724.5
YEAR: 2005
= 604'
N


INQUIRY #: 2624724.5
YEAR: 2006,2005
= 604'
N

APPENDIX D

CITY DIRECTORY ABSTRACT

NPS Jones Point
Hwy 301 S
Lafitte, LA 70067

Inquiry Number: 2624724.6
October 28, 2009

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2009	Polk's City Directory	X	-	X	-
2003	Polk's City Directory	X	-	X	-
1997	Polk's City Directory	X	-	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Hwy 301 S
Lafitte, LA 70067

FINDINGS DETAIL

Target Property research detail.

Year	*Uses*	*Source*
2009		Polk's City Directory
2003		Polk's City Directory
1997		Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

FINDINGS

STREET NOT LISTED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not listed in the research source.

Street Researched	Street Not Listed in Research Source
Hwy 301 S	2009, 2003, 1997

APPENDIX E

LABORATORY ANALYTICAL REPORT

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC.

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

received 12/4/09

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 11/19/2009

GCAL Report 209110943

Deliver To QRI
13588 Florida Blvd.
Baton Rouge, LA 70819
292-1400

Attn Kern Rouly

Customer QRI, LLC

Project NPS - Jones Point

CASE NARRATIVE

Client: QRI, LLC **Report:** 209110943

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B sample 20911094311, 20911094312, 20911094313, 20911094314, 20911094316, 20911094317, 20911094318, 20911094319, 20911094320, 20911094321, 20911094322, 20911094323, 20911094324, 20911094325, 20911094326, 20911094327, 20911094328, 20911094329, 20911094330, 20911094331, 20911094332, 20911094333, 20911094335, 20911094337, 20911094338, 20911094339, 20911094340, 20911094341, 20911094342, 20911094343, 20911094344, 20911094346, 20911094334, 20911094336, 20911094345 and 20911094315 was diluted prior to sample analysis. However, all requested reporting limits were met.

In the SW-846 8260B analysis for analytical batch 421955, the MS/MSD exhibited recovery failures.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, sample 20911094306 (JP-14 GW) had to be diluted to eliminate interference from non-target background. This dilution is reflected in elevated detection limits which may exceed regulatory limits. The recoveries for the surrogates are reported as diluted out.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8082 analysis for prep batch 421643, the MS/MSD exhibited recovery failures. These recoveries were within limits in the LCS and/or LCSD.

METALS

In the SW-846 6010B analysis for prep batch 421669, the MS and/or MSD recovery was outside the control limits for Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with a recovery of 78%. The Sample/Duplicate RPD for Barium and Chromium for was outside the control limits. The heterogeneous nature of the QC sample is believed to be responsible for this. The Sample/Duplicate RPD for Arsenic is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the SW-846 6010B analysis for prep batch 421668, the MS and/or MSD recoveries were outside the control limits for Arsenic, Cadmium and Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with recoveries of 78% for Arsenic, 75% for Cadmium and 69% for Selenium. The Sample/Duplicate RPD for Arsenic and Chromium is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the SW-846 7471B analysis for prep batch 421670, the Sample/Duplicate RPD for Mercury is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Robyn Migues
Technical Director
GCAL REPORT 209110943

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094301	JP-4 GW	Water	11/06/2009 07:20	11/09/2009 16:04
20911094302	JP-8 GW	Water	11/06/2009 07:50	11/09/2009 16:04
20911094303	JP-9 GW	Water	11/06/2009 08:09	11/09/2009 16:04
20911094304	JP-11 GW	Water	11/06/2009 08:34	11/09/2009 16:04
20911094305	JP-13 GW	Water	11/06/2009 08:55	11/09/2009 16:04
20911094306	JP-14 GW	Water	11/06/2009 09:30	11/09/2009 16:04
20911094307	JP-15 GW	Water	11/06/2009 10:00	11/09/2009 16:04
20911094308	DUP-1	Water	11/06/2009 11:00	11/09/2009 16:04
20911094309	JP-5 GW	Water	11/05/2009 08:00	11/09/2009 16:04
20911094310	JP-6 GW	Water	11/05/2009 08:25	11/09/2009 16:04
20911094311	HA-1 (0-2)	Solid	11/06/2009 07:35	11/09/2009 16:04
20911094312	HA-1 (2-4)	Solid	11/06/2009 07:50	11/09/2009 16:04
20911094313	HA2 (0-2)	Solid	11/06/2009 08:38	11/09/2009 16:04
20911094314	HA2 (2-4)	Solid	11/06/2009 08:48	11/09/2009 16:04
20911094315	HA3 (0-2)	Solid	11/06/2009 09:17	11/09/2009 16:04
20911094316	HA3 (2-4)	Solid	11/06/2009 09:25	11/09/2009 16:04
20911094317	JP-7 (2-4)	Solid	11/05/2009 09:00	11/09/2009 16:04
20911094318	JP-7 (4-6)	Solid	11/05/2009 09:07	11/09/2009 16:04
20911094319	JP-8 (0-2)	Solid	11/05/2009 09:50	11/09/2009 16:04
20911094320	JP-8 (4-6)	Solid	11/05/2009 09:55	11/09/2009 16:04
20911094321	JP-9 (2-4)	Solid	11/05/2009 10:19	11/09/2009 16:04
20911094322	JP-9 (4-6)	Solid	11/05/2009 10:25	11/09/2009 16:04
20911094323	JP-10 (2-4)	Solid	11/05/2009 10:40	11/09/2009 16:04
20911094324	JP-10 (4-6)	Solid	11/05/2009 10:49	11/09/2009 16:04
20911094325	JP-11 (2-4)	Solid	11/05/2009 11:22	11/09/2009 16:04
20911094326	JP-11 (4-6)	Solid	11/05/2009 11:30	11/09/2009 16:04
20911094327	JP-12 (2-4)	Solid	11/05/2009 13:10	11/09/2009 16:04
20911094328	JP-12 (4-6)	Solid	11/05/2009 13:26	11/09/2009 16:04
20911094329	JP-1 (2-4)	Solid	11/04/2009 08:48	11/09/2009 16:04
20911094330	JP-1 (4-6)	Solid	11/04/2009 08:57	11/09/2009 16:04
20911094331	JP-2 (2-4)	Solid	11/04/2009 09:48	11/09/2009 16:04
20911094332	JP-2 (4-6)	Solid	11/04/2009 09:56	11/09/2009 16:04
20911094333	JP-3 (2-4)	Solid	11/04/2009 10:40	11/09/2009 16:04
20911094334	JP-3 (4-6)	Solid	11/04/2009 11:09	11/09/2009 16:04
20911094335	JP-4 (2-4)	Solid	11/04/2009 12:55	11/09/2009 16:04
20911094336	JP-4 (4-6)	Solid	11/04/2009 13:33	11/09/2009 16:04
20911094337	JP-5 (0-2)	Solid	11/04/2009 14:36	11/09/2009 16:04
20911094338	JP-5 (4-6)	Solid	11/04/2009 14:40	11/09/2009 16:04
20911094339	JP-6 (2-4)	Solid	11/04/2009 15:21	11/09/2009 16:04
20911094340	JP-6 (4-6)	Solid	11/04/2009 15:29	11/09/2009 16:04
20911094341	JP-14 (0-2)	Solid	11/05/2009 14:45	11/09/2009 16:04
20911094342	JP-14 (5-7)	Solid	11/05/2009 14:55	11/09/2009 16:04
20911094343	JP-15 (2-4)	Solid	11/05/2009 15:29	11/09/2009 16:04
20911094344	JP-15 (5-7)	Solid	11/05/2009 15:35	11/09/2009 16:04
20911094345	SED-1	Solid	11/05/2009 16:30	11/09/2009 16:04
20911094346	SED-2	Solid	11/05/2009 16:45	11/09/2009 16:04

Report Sample Summary (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094347	SW-1	Water	11/05/2009 15:55	11/09/2009 16:04
20911094348	SW-2	Water	11/05/2009 16:15	11/09/2009 16:04
20911094349	TRIP BLANK	Water		11/09/2009 16:04

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094301	JP-4 GW	Water	11/06/2009 07:20	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 02:00	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.3	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	54.5	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	53.8	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.3	ug/L	107	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 17:20	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.3		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.3		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.3		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.06		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.06		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.12		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.06		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.06		ug/L
91-58-7	2-Chloronaphthalene	ND	10.3		ug/L
95-57-8	2-Chlorophenol	ND	10.3		ug/L
91-57-6	2-Methylnaphthalene	ND	0.206		ug/L
88-74-4	2-Nitroaniline	ND	10.3		ug/L
88-75-5	2-Nitrophenol	ND	10.3		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.3		ug/L
99-09-2	3-Nitroaniline	ND	10.3		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.3		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.3		ug/L
106-47-8	4-Chloroaniline	ND	10.3		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.3		ug/L
83-32-9	Acenaphthene	ND	10.3		ug/L
208-96-8	Acenaphthylene	ND	10.3		ug/L
62-53-3	Aniline	ND	10.3		ug/L
120-12-7	Anthracene	ND	10.3		ug/L
56-55-3	Benzo(a)anthracene	ND	1.03		ug/L
50-32-8	Benzo(a)pyrene	ND	0.206		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.03		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.3		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.03		ug/L
100-51-6	Benzyl alcohol	ND	10.3		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.3		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.06		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.06		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094301	JP-4 GW	Water	11/06/2009 07:20	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 17:20	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	**Bis(2-Ethylhexyl)phthalate**	**4.46**	**2.06**		**ug/L**
101-55-3	4-Bromophenyl phenyl ether	ND	10.3		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.3		ug/L
86-74-8	Carbazole	ND	10.3		ug/L
218-01-9	Chrysene	ND	1.03		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.3		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.3		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.03		ug/L
132-64-9	Dibenzofuran	ND	10.3		ug/L
84-66-2	Diethyl phthalate	ND	10.3		ug/L
131-11-3	Dimethyl phthalate	ND	10.3		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.3		ug/L
206-44-0	Fluoranthene	ND	10.3		ug/L
86-73-7	Fluorene	ND	10.3		ug/L
118-74-1	Hexachlorobenzene	ND	0.412		ug/L
87-68-3	Hexachlorobutadiene	ND	0.412		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.3		ug/L
67-72-1	Hexachloroethane	ND	2.06		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.03		ug/L
78-59-1	Isophorone	ND	10.3		ug/L
91-20-3	Naphthalene	ND	2.06		ug/L
100-01-6	4-Nitroaniline	ND	10.3		ug/L
98-95-3	Nitrobenzene	ND	1.03		ug/L
100-02-7	4-Nitrophenol	ND	10.3		ug/L
87-86-5	Pentachlorophenol	ND	10.3		ug/L
85-01-8	Phenanthrene	ND	10.3		ug/L
108-95-2	Phenol	ND	10.3		ug/L
129-00-0	Pyrene	ND	10.3		ug/L
110-86-1	Pyridine	ND	10.3		ug/L
1319-77-3MP	m,p-Cresol	ND	10.3		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.06		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.3		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.3		ug/L
95-48-7	o-Cresol	ND	10.3		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	51.5	42.6	ug/L	83	52 - 120
321-60-8	2-Fluorobiphenyl	51.5	42.2	ug/L	82	16 - 128
1718-51-0	Terphenyl-d14	51.5	46.3	ug/L	90	43 - 138
4165-62-2	Phenol-d5	103	76	ug/L	74	10 - 120
367-12-4	2-Fluorophenol	103	70.8	ug/L	69	10 - 120
118-79-6	2,4,6-Tribromophenol	103	80.5	ug/L	78	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094301	JP-4 GW	Water	11/06/2009 07:20	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:26	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 13:40	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.070**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094302	JP-8 GW	Water	11/06/2009 07:50	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 02:22	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	53.9	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	52.5	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 17:35	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.1		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.1		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.1		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.02		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.02		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.04		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.02		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.02		ug/L
91-58-7	2-Chloronaphthalene	ND	10.1		ug/L
95-57-8	2-Chlorophenol	ND	10.1		ug/L
91-57-6	2-Methylnaphthalene	ND	0.202		ug/L
88-74-4	2-Nitroaniline	ND	10.1		ug/L
88-75-5	2-Nitrophenol	ND	10.1		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.1		ug/L
99-09-2	3-Nitroaniline	ND	10.1		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.1		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.1		ug/L
106-47-8	4-Chloroaniline	ND	10.1		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.1		ug/L
83-32-9	Acenaphthene	ND	10.1		ug/L
208-96-8	Acenaphthylene	ND	10.1		ug/L
62-53-3	Aniline	ND	10.1		ug/L
120-12-7	Anthracene	ND	10.1		ug/L
56-55-3	Benzo(a)anthracene	ND	1.01		ug/L
50-32-8	Benzo(a)pyrene	ND	0.202		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.01		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.1		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.01		ug/L
100-51-6	Benzyl alcohol	ND	10.1		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.1		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.02		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.02		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094302	JP-8 GW	Water	11/06/2009 07:50	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 17:35	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.02		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	10.1		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.1		ug/L
86-74-8	Carbazole	ND	10.1		ug/L
218-01-9	Chrysene	ND	1.01		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.1		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.1		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.01		ug/L
132-64-9	Dibenzofuran	ND	10.1		ug/L
84-66-2	Diethyl phthalate	ND	10.1		ug/L
131-11-3	Dimethyl phthalate	ND	10.1		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.1		ug/L
206-44-0	Fluoranthene	ND	10.1		ug/L
86-73-7	Fluorene	ND	10.1		ug/L
118-74-1	Hexachlorobenzene	ND	0.404		ug/L
87-68-3	Hexachlorobutadiene	ND	0.404		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.1		ug/L
67-72-1	Hexachloroethane	ND	2.02		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.01		ug/L
78-59-1	Isophorone	ND	10.1		ug/L
91-20-3	Naphthalene	ND	2.02		ug/L
100-01-6	4-Nitroaniline	ND	10.1		ug/L
98-95-3	Nitrobenzene	ND	1.01		ug/L
100-02-7	4-Nitrophenol	ND	10.1		ug/L
87-86-5	Pentachlorophenol	ND	10.1		ug/L
85-01-8	Phenanthrene	ND	10.1		ug/L
108-95-2	Phenol	ND	10.1		ug/L
129-00-0	Pyrene	ND	10.1		ug/L
110-86-1	Pyridine	ND	10.1		ug/L
1319-77-3MP	m,p-Cresol	ND	10.1		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.02		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.1		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.1		ug/L
95-48-7	o-Cresol	ND	10.1		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	50.5	40.7	ug/L	81	52 - 120
321-60-8	2-Fluorobiphenyl	50.5	40.9	ug/L	81	16 - 128
1718-51-0	Terphenyl-d14	50.5	46.2	ug/L	91	43 - 138
4165-62-2	Phenol-d5	101	77	ug/L	76	10 - 120
367-12-4	2-Fluorophenol	101	71.3	ug/L	71	10 - 120
118-79-6	2,4,6-Tribromophenol	101	74.6	ug/L	74	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094302	JP-8 GW	Water	11/06/2009 07:50	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:28	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 12:25	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.18**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094303	JP-9 GW	Water	11/06/2009 08:09	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 02:43	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	53.8	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.7	ug/L	107	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 17:51	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.1		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.1		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.1		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.02		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.02		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.04		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.02		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.02		ug/L
91-58-7	2-Chloronaphthalene	ND	10.1		ug/L
95-57-8	2-Chlorophenol	ND	10.1		ug/L
91-57-6	2-Methylnaphthalene	ND	0.202		ug/L
88-74-4	2-Nitroaniline	ND	10.1		ug/L
88-75-5	2-Nitrophenol	ND	10.1		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.1		ug/L
99-09-2	3-Nitroaniline	ND	10.1		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.1		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.1		ug/L
106-47-8	4-Chloroaniline	ND	10.1		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.1		ug/L
83-32-9	Acenaphthene	ND	10.1		ug/L
208-96-8	Acenaphthylene	ND	10.1		ug/L
62-53-3	Aniline	ND	10.1		ug/L
120-12-7	Anthracene	ND	10.1		ug/L
56-55-3	Benzo(a)anthracene	ND	1.01		ug/L
50-32-8	Benzo(a)pyrene	ND	0.202		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.01		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.1		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.01		ug/L
100-51-6	Benzyl alcohol	ND	10.1		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.1		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.02		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.02		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094303	JP-9 GW	Water	11/06/2009 08:09	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 17:51	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.02		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	10.1		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.1		ug/L
86-74-8	Carbazole	ND	10.1		ug/L
218-01-9	Chrysene	ND	1.01		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.1		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.1		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.01		ug/L
132-64-9	Dibenzofuran	ND	10.1		ug/L
84-66-2	Diethyl phthalate	ND	10.1		ug/L
131-11-3	Dimethyl phthalate	ND	10.1		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.1		ug/L
206-44-0	Fluoranthene	ND	10.1		ug/L
86-73-7	Fluorene	ND	10.1		ug/L
118-74-1	Hexachlorobenzene	ND	0.404		ug/L
87-68-3	Hexachlorobutadiene	ND	0.404		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.1		ug/L
67-72-1	Hexachloroethane	ND	2.02		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.01		ug/L
78-59-1	Isophorone	ND	10.1		ug/L
91-20-3	Naphthalene	ND	2.02		ug/L
100-01-6	4-Nitroaniline	ND	10.1		ug/L
98-95-3	Nitrobenzene	ND	1.01		ug/L
100-02-7	4-Nitrophenol	ND	10.1		ug/L
87-86-5	Pentachlorophenol	ND	10.1		ug/L
85-01-8	Phenanthrene	ND	10.1		ug/L
108-95-2	Phenol	ND	10.1		ug/L
129-00-0	Pyrene	ND	10.1		ug/L
110-86-1	Pyridine	ND	10.1		ug/L
1319-77-3MP	m,p-Cresol	ND	10.1		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.02		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.1		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.1		ug/L
95-48-7	o-Cresol	ND	10.1		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	50.5	42	ug/L	83	52 - 120
321-60-8	2-Fluorobiphenyl	50.5	42.5	ug/L	84	16 - 128
1718-51-0	Terphenyl-d14	50.5	45.6	ug/L	90	43 - 138
4165-62-2	Phenol-d5	101	75.2	ug/L	74	10 - 120
367-12-4	2-Fluorophenol	101	72.7	ug/L	72	10 - 120
118-79-6	2,4,6-Tribromophenol	101	67	ug/L	66	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094303	JP-9 GW	Water	11/06/2009 08:09	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:33	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 13:46	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.10**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094304	JP-11 GW	Water	11/06/2009 08:34	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 03:06	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.3	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	54.3	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	52.5	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.7	ug/L	107	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 18:06	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.3		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.3		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.3		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.06		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.06		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.12		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.06		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.06		ug/L
91-58-7	2-Chloronaphthalene	ND	10.3		ug/L
95-57-8	2-Chlorophenol	ND	10.3		ug/L
91-57-6	2-Methylnaphthalene	ND	0.206		ug/L
88-74-4	2-Nitroaniline	ND	10.3		ug/L
88-75-5	2-Nitrophenol	ND	10.3		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.3		ug/L
99-09-2	3-Nitroaniline	ND	10.3		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.3		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.3		ug/L
106-47-8	4-Chloroaniline	ND	10.3		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.3		ug/L
83-32-9	Acenaphthene	ND	10.3		ug/L
208-96-8	Acenaphthylene	ND	10.3		ug/L
62-53-3	Aniline	ND	10.3		ug/L
120-12-7	Anthracene	ND	10.3		ug/L
56-55-3	Benzo(a)anthracene	ND	1.03		ug/L
50-32-8	Benzo(a)pyrene	ND	0.206		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.03		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.3		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.03		ug/L
100-51-6	Benzyl alcohol	ND	10.3		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.3		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.06		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.06		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094304	JP-11 GW	Water	11/06/2009 08:34	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 18:06	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.06		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	10.3		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.3		ug/L
86-74-8	Carbazole	ND	10.3		ug/L
218-01-9	Chrysene	ND	1.03		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.3		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.3		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.03		ug/L
132-64-9	Dibenzofuran	ND	10.3		ug/L
84-66-2	Diethyl phthalate	ND	10.3		ug/L
131-11-3	Dimethyl phthalate	ND	10.3		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.3		ug/L
206-44-0	Fluoranthene	ND	10.3		ug/L
86-73-7	Fluorene	ND	10.3		ug/L
118-74-1	Hexachlorobenzene	ND	0.412		ug/L
87-68-3	Hexachlorobutadiene	ND	0.412		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.3		ug/L
67-72-1	Hexachloroethane	ND	2.06		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.03		ug/L
78-59-1	Isophorone	ND	10.3		ug/L
91-20-3	Naphthalene	ND	2.06		ug/L
100-01-6	4-Nitroaniline	ND	10.3		ug/L
98-95-3	Nitrobenzene	ND	1.03		ug/L
100-02-7	4-Nitrophenol	ND	10.3		ug/L
87-86-5	Pentachlorophenol	ND	10.3		ug/L
85-01-8	Phenanthrene	ND	10.3		ug/L
108-95-2	Phenol	ND	10.3		ug/L
129-00-0	Pyrene	ND	10.3		ug/L
110-86-1	Pyridine	ND	10.3		ug/L
1319-77-3MP	m,p-Cresol	ND	10.3		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.06		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.3		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.3		ug/L
95-48-7	o-Cresol	ND	10.3		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	51.5	40.5	ug/L	79	52 - 120
321-60-8	2-Fluorobiphenyl	51.5	42.4	ug/L	82	16 - 128
1718-51-0	Terphenyl-d14	51.5	44.4	ug/L	86	43 - 138
4165-62-2	Phenol-d5	103	75.7	ug/L	73	10 - 120
367-12-4	2-Fluorophenol	103	71.1	ug/L	69	10 - 120
118-79-6	2,4,6-Tribromophenol	103	68.4	ug/L	66	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094304	JP-11 GW	Water	11/06/2009 08:34	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:20	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 13:52	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.087**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094305	JP-13 GW	Water	11/06/2009 08:55	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 03:27	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.2	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	54.3	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	52.7	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.7	ug/L	107	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 18:21	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	11.5		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	11.5		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	11.5		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.30		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.30		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.60		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.30		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.30		ug/L
91-58-7	2-Chloronaphthalene	ND	11.5		ug/L
95-57-8	2-Chlorophenol	ND	11.5		ug/L
91-57-6	2-Methylnaphthalene	ND	0.230		ug/L
88-74-4	2-Nitroaniline	ND	11.5		ug/L
88-75-5	2-Nitrophenol	ND	11.5		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	11.5		ug/L
99-09-2	3-Nitroaniline	ND	11.5		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	11.5		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	11.5		ug/L
106-47-8	4-Chloroaniline	ND	11.5		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	11.5		ug/L
83-32-9	Acenaphthene	ND	11.5		ug/L
208-96-8	Acenaphthylene	ND	11.5		ug/L
62-53-3	Aniline	ND	11.5		ug/L
120-12-7	Anthracene	ND	11.5		ug/L
56-55-3	Benzo(a)anthracene	ND	1.15		ug/L
50-32-8	Benzo(a)pyrene	ND	0.230		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.15		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	11.5		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.15		ug/L
100-51-6	Benzyl alcohol	ND	11.5		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	11.5		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.30		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.30		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094305	JP-13 GW	Water	11/06/2009 08:55	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 18:21	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.30		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	11.5		ug/L
85-68-7	Butyl benzyl phthalate	ND	11.5		ug/L
86-74-8	Carbazole	ND	11.5		ug/L
218-01-9	Chrysene	ND	1.15		ug/L
84-74-2	Di-n-butyl phthalate	ND	11.5		ug/L
117-84-0	Di-n-octyl phthalate	ND	11.5		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.15		ug/L
132-64-9	Dibenzofuran	ND	11.5		ug/L
84-66-2	Diethyl phthalate	ND	11.5		ug/L
131-11-3	Dimethyl phthalate	ND	11.5		ug/L
105-67-9	2,4-Dimethylphenol	ND	11.5		ug/L
206-44-0	Fluoranthene	ND	11.5		ug/L
86-73-7	Fluorene	ND	11.5		ug/L
118-74-1	Hexachlorobenzene	ND	0.460		ug/L
87-68-3	Hexachlorobutadiene	ND	0.460		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	11.5		ug/L
67-72-1	Hexachloroethane	ND	2.30		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.15		ug/L
78-59-1	Isophorone	ND	11.5		ug/L
91-20-3	Naphthalene	ND	2.30		ug/L
100-01-6	4-Nitroaniline	ND	11.5		ug/L
98-95-3	Nitrobenzene	ND	1.15		ug/L
100-02-7	4-Nitrophenol	ND	11.5		ug/L
87-86-5	Pentachlorophenol	ND	11.5		ug/L
85-01-8	Phenanthrene	ND	11.5		ug/L
108-95-2	Phenol	ND	11.5		ug/L
129-00-0	Pyrene	ND	11.5		ug/L
110-86-1	Pyridine	ND	11.5		ug/L
1319-77-3MP	m,p-Cresol	ND	11.5		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.30		ug/L
62-75-9	n-Nitrosodimethylamine	ND	11.5		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	11.5		ug/L
95-48-7	o-Cresol	ND	11.5		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	57.5	47.2	ug/L	82	52 - 120
321-60-8	2-Fluorobiphenyl	57.5	47.6	ug/L	83	16 - 128
1718-51-0	Terphenyl-d14	57.5	48.6	ug/L	85	43 - 138
4165-62-2	Phenol-d5	115	83.3	ug/L	72	10 - 120
367-12-4	2-Fluorophenol	115	80.6	ug/L	70	10 - 120
118-79-6	2,4,6-Tribromophenol	115	79.9	ug/L	70	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094305	JP-13 GW	Water	11/06/2009 08:55	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:34	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 13:58	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.19**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094306	JP-14 GW	Water	11/06/2009 09:30	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 03:50	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.2	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	54.3	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	54	ug/L	108	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	50	11/17/2009 09:23	KCB	422034

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	521		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	521		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	521		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	104		ug/L
120-83-2	2,4-Dichlorophenol	ND	104		ug/L
51-28-5	2,4-Dinitrophenol	ND	208		ug/L
121-14-2	2,4-Dinitrotoluene	ND	104		ug/L
606-20-2	2,6-Dinitrotoluene	ND	104		ug/L
91-58-7	2-Chloronaphthalene	ND	521		ug/L
95-57-8	2-Chlorophenol	ND	521		ug/L
91-57-6	2-Methylnaphthalene	ND	10.4		ug/L
88-74-4	2-Nitroaniline	ND	521		ug/L
88-75-5	2-Nitrophenol	ND	521		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	521		ug/L
99-09-2	3-Nitroaniline	ND	521		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	521		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	521		ug/L
106-47-8	4-Chloroaniline	ND	521		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	521		ug/L
83-32-9	Acenaphthene	ND	521		ug/L
208-96-8	Acenaphthylene	ND	521		ug/L
62-53-3	Aniline	ND	521		ug/L
120-12-7	Anthracene	ND	521		ug/L
56-55-3	Benzo(a)anthracene	ND	52.1		ug/L
50-32-8	Benzo(a)pyrene	ND	10.4		ug/L
205-99-2	Benzo(b)fluoranthene	ND	52.1		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	521		ug/L
207-08-9	Benzo(k)fluoranthene	ND	52.1		ug/L
100-51-6	Benzyl alcohol	ND	521		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	521		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	104		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	104		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094306	JP-14 GW	Water	11/06/2009 09:30	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	50	11/17/2009 09:23	KCB	422034

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	104		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	521		ug/L
85-68-7	Butyl benzyl phthalate	ND	521		ug/L
86-74-8	Carbazole	ND	521		ug/L
218-01-9	Chrysene	ND	52.1		ug/L
84-74-2	Di-n-butyl phthalate	ND	521		ug/L
117-84-0	Di-n-octyl phthalate	ND	521		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	52.1		ug/L
132-64-9	Dibenzofuran	ND	521		ug/L
84-66-2	**Diethyl phthalate**	**552**	**521**		**ug/L**
131-11-3	Dimethyl phthalate	ND	521		ug/L
105-67-9	2,4-Dimethylphenol	ND	521		ug/L
206-44-0	Fluoranthene	ND	521		ug/L
86-73-7	Fluorene	ND	521		ug/L
118-74-1	Hexachlorobenzene	ND	20.8		ug/L
87-68-3	Hexachlorobutadiene	ND	20.8		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	521		ug/L
67-72-1	Hexachloroethane	ND	104		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	52.1		ug/L
78-59-1	Isophorone	ND	521		ug/L
91-20-3	Naphthalene	ND	104		ug/L
100-01-6	4-Nitroaniline	ND	521		ug/L
98-95-3	Nitrobenzene	ND	52.1		ug/L
100-02-7	4-Nitrophenol	ND	521		ug/L
87-86-5	Pentachlorophenol	ND	521		ug/L
85-01-8	Phenanthrene	ND	521		ug/L
108-95-2	Phenol	ND	521		ug/L
129-00-0	Pyrene	ND	521		ug/L
110-86-1	Pyridine	ND	521		ug/L
1319-77-3MP	m,p-Cresol	ND	521		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	104		ug/L
62-75-9	n-Nitrosodimethylamine	ND	521		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	521		ug/L
95-48-7	o-Cresol	ND	521		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	52.1	Diluted Out	ug/L	0*	52 - 120
321-60-8	2-Fluorobiphenyl	52.1	Diluted Out	ug/L	0*	16 - 128
1718-51-0	Terphenyl-d14	52.1	Diluted Out	ug/L	0*	43 - 138
4165-62-2	Phenol-d5	104	Diluted Out	ug/L	0*	10 - 120
367-12-4	2-Fluorophenol	104	Diluted Out	ug/L	0*	10 - 120
118-79-6	2,4,6-Tribromophenol	104	Diluted Out	ug/L	0*	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094306	JP-14 GW	Water	11/06/2009 09:30	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:36	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 14:04	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.13**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094307	JP-15 GW	Water	11/06/2009 10:00	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 04:12	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.8	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	54.3	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	52.2	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.4	ug/L	107	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 18:52	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.2		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.2		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.2		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.04		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.04		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.08		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.04		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.04		ug/L
91-58-7	2-Chloronaphthalene	ND	10.2		ug/L
95-57-8	2-Chlorophenol	ND	10.2		ug/L
91-57-6	2-Methylnaphthalene	ND	0.204		ug/L
88-74-4	2-Nitroaniline	ND	10.2		ug/L
88-75-5	2-Nitrophenol	ND	10.2		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.2		ug/L
99-09-2	3-Nitroaniline	ND	10.2		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.2		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.2		ug/L
106-47-8	4-Chloroaniline	ND	10.2		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.2		ug/L
83-32-9	Acenaphthene	ND	10.2		ug/L
208-96-8	Acenaphthylene	ND	10.2		ug/L
62-53-3	Aniline	ND	10.2		ug/L
120-12-7	Anthracene	ND	10.2		ug/L
56-55-3	Benzo(a)anthracene	ND	1.02		ug/L
50-32-8	Benzo(a)pyrene	ND	0.204		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.02		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.2		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.02		ug/L
100-51-6	Benzyl alcohol	ND	10.2		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.2		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.04		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.04		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094307	JP-15 GW	Water	11/06/2009 10:00	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 18:52	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.04		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	10.2		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.2		ug/L
86-74-8	Carbazole	ND	10.2		ug/L
218-01-9	Chrysene	ND	1.02		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.2		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.2		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.02		ug/L
132-64-9	Dibenzofuran	ND	10.2		ug/L
84-66-2	Diethyl phthalate	ND	10.2		ug/L
131-11-3	Dimethyl phthalate	ND	10.2		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.2		ug/L
206-44-0	Fluoranthene	ND	10.2		ug/L
86-73-7	Fluorene	ND	10.2		ug/L
118-74-1	Hexachlorobenzene	ND	0.408		ug/L
87-68-3	Hexachlorobutadiene	ND	0.408		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.2		ug/L
67-72-1	Hexachloroethane	ND	2.04		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.02		ug/L
78-59-1	Isophorone	ND	10.2		ug/L
91-20-3	Naphthalene	ND	2.04		ug/L
100-01-6	4-Nitroaniline	ND	10.2		ug/L
98-95-3	Nitrobenzene	ND	1.02		ug/L
100-02-7	4-Nitrophenol	ND	10.2		ug/L
87-86-5	Pentachlorophenol	ND	10.2		ug/L
85-01-8	Phenanthrene	ND	10.2		ug/L
108-95-2	Phenol	ND	10.2		ug/L
129-00-0	Pyrene	ND	10.2		ug/L
110-86-1	Pyridine	ND	10.2		ug/L
1319-77-3MP	m,p-Cresol	ND	10.2		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.04		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.2		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.2		ug/L
95-48-7	o-Cresol	ND	10.2		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	51	42.2	ug/L	83	52 - 120
321-60-8	2-Fluorobiphenyl	51	41.2	ug/L	81	16 - 128
1718-51-0	Terphenyl-d14	51	43.2	ug/L	85	43 - 138
4165-62-2	Phenol-d5	102	76.1	ug/L	75	10 - 120
367-12-4	2-Fluorophenol	102	73	ug/L	72	10 - 120
118-79-6	2,4,6-Tribromophenol	102	76.5	ug/L	75	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094307	JP-15 GW	Water	11/06/2009 10:00	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:38	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 14:10	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.035**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094308	DUP-1	Water	11/06/2009 11:00	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 04:34	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	54.8	ug/L	110	77 - 127
2037-26-5	Toluene d8	50	52.9	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.9	ug/L	108	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094309	JP-5 GW	Water	11/05/2009 08:00	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 04:56	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.7	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	54.1	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	52.6	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.3	ug/L	107	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:08	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.1		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.1		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.1		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.02		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.02		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.04		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.02		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.02		ug/L
91-58-7	2-Chloronaphthalene	ND	10.1		ug/L
95-57-8	2-Chlorophenol	ND	10.1		ug/L
91-57-6	2-Methylnaphthalene	ND	0.202		ug/L
88-74-4	2-Nitroaniline	ND	10.1		ug/L
88-75-5	2-Nitrophenol	ND	10.1		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.1		ug/L
99-09-2	3-Nitroaniline	ND	10.1		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.1		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.1		ug/L
106-47-8	4-Chloroaniline	ND	10.1		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.1		ug/L
83-32-9	Acenaphthene	ND	10.1		ug/L
208-96-8	Acenaphthylene	ND	10.1		ug/L
62-53-3	Aniline	ND	10.1		ug/L
120-12-7	Anthracene	ND	10.1		ug/L
56-55-3	Benzo(a)anthracene	ND	1.01		ug/L
50-32-8	Benzo(a)pyrene	ND	0.202		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.01		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.1		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.01		ug/L
100-51-6	Benzyl alcohol	ND	10.1		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.1		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.02		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.02		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094309	JP-5 GW	Water	11/05/2009 08:00	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:08	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.02		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	10.1		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.1		ug/L
86-74-8	Carbazole	ND	10.1		ug/L
218-01-9	Chrysene	ND	1.01		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.1		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.1		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.01		ug/L
132-64-9	Dibenzofuran	ND	10.1		ug/L
84-66-2	Diethyl phthalate	ND	10.1		ug/L
131-11-3	Dimethyl phthalate	ND	10.1		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.1		ug/L
206-44-0	Fluoranthene	ND	10.1		ug/L
86-73-7	Fluorene	ND	10.1		ug/L
118-74-1	Hexachlorobenzene	ND	0.404		ug/L
87-68-3	Hexachlorobutadiene	ND	0.404		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.1		ug/L
67-72-1	Hexachloroethane	ND	2.02		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.01		ug/L
78-59-1	Isophorone	ND	10.1		ug/L
91-20-3	Naphthalene	ND	2.02		ug/L
100-01-6	4-Nitroaniline	ND	10.1		ug/L
98-95-3	Nitrobenzene	ND	1.01		ug/L
100-02-7	4-Nitrophenol	ND	10.1		ug/L
87-86-5	Pentachlorophenol	ND	10.1		ug/L
85-01-8	Phenanthrene	ND	10.1		ug/L
108-95-2	Phenol	ND	10.1		ug/L
129-00-0	Pyrene	ND	10.1		ug/L
110-86-1	Pyridine	ND	10.1		ug/L
1319-77-3MP	m,p-Cresol	ND	10.1		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.02		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.1		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.1		ug/L
95-48-7	o-Cresol	ND	10.1		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	50.5	40.3	ug/L	80	52 - 120
321-60-8	2-Fluorobiphenyl	50.5	39	ug/L	77	16 - 128
1718-51-0	Terphenyl-d14	50.5	41.2	ug/L	82	43 - 138
4165-62-2	Phenol-d5	101	70.1	ug/L	69	10 - 120
367-12-4	2-Fluorophenol	101	66.3	ug/L	66	10 - 120
118-79-6	2,4,6-Tribromophenol	101	78.1	ug/L	77	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094309	JP-5 GW	Water	11/05/2009 08:00	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:39	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 14:16	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.12**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094310	JP-6 GW	Water	11/05/2009 08:25	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 05:18	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.7	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	54.9	ug/L	110	77 - 127
2037-26-5	Toluene d8	50	52.2	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	54.2	ug/L	108	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:23	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	11.2		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	11.2		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	11.2		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.25		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.25		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.49		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.25		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.25		ug/L
91-58-7	2-Chloronaphthalene	ND	11.2		ug/L
95-57-8	2-Chlorophenol	ND	11.2		ug/L
91-57-6	2-Methylnaphthalene	ND	0.225		ug/L
88-74-4	2-Nitroaniline	ND	11.2		ug/L
88-75-5	2-Nitrophenol	ND	11.2		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	11.2		ug/L
99-09-2	3-Nitroaniline	ND	11.2		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	11.2		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	11.2		ug/L
106-47-8	4-Chloroaniline	ND	11.2		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	11.2		ug/L
83-32-9	Acenaphthene	ND	11.2		ug/L
208-96-8	Acenaphthylene	ND	11.2		ug/L
62-53-3	Aniline	ND	11.2		ug/L
120-12-7	Anthracene	ND	11.2		ug/L
56-55-3	Benzo(a)anthracene	ND	1.12		ug/L
50-32-8	Benzo(a)pyrene	ND	0.225		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.12		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	11.2		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.12		ug/L
100-51-6	Benzyl alcohol	ND	11.2		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	11.2		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.25		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.25		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094310	JP-6 GW	Water	11/05/2009 08:25	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:23	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.25		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	11.2		ug/L
85-68-7	Butyl benzyl phthalate	ND	11.2		ug/L
86-74-8	Carbazole	ND	11.2		ug/L
218-01-9	Chrysene	ND	1.12		ug/L
84-74-2	Di-n-butyl phthalate	ND	11.2		ug/L
117-84-0	Di-n-octyl phthalate	ND	11.2		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.12		ug/L
132-64-9	Dibenzofuran	ND	11.2		ug/L
84-66-2	Diethyl phthalate	ND	11.2		ug/L
131-11-3	Dimethyl phthalate	ND	11.2		ug/L
105-67-9	2,4-Dimethylphenol	ND	11.2		ug/L
206-44-0	Fluoranthene	ND	11.2		ug/L
86-73-7	Fluorene	ND	11.2		ug/L
118-74-1	Hexachlorobenzene	ND	0.449		ug/L
87-68-3	Hexachlorobutadiene	ND	0.449		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	11.2		ug/L
67-72-1	Hexachloroethane	ND	2.25		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.12		ug/L
78-59-1	Isophorone	ND	11.2		ug/L
91-20-3	Naphthalene	ND	2.25		ug/L
100-01-6	4-Nitroaniline	ND	11.2		ug/L
98-95-3	Nitrobenzene	ND	1.12		ug/L
100-02-7	4-Nitrophenol	ND	11.2		ug/L
87-86-5	Pentachlorophenol	ND	11.2		ug/L
85-01-8	Phenanthrene	ND	11.2		ug/L
108-95-2	Phenol	ND	11.2		ug/L
129-00-0	Pyrene	ND	11.2		ug/L
110-86-1	Pyridine	ND	11.2		ug/L
1319-77-3MP	m,p-Cresol	ND	11.2		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.25		ug/L
62-75-9	n-Nitrosodimethylamine	ND	11.2		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	11.2		ug/L
95-48-7	o-Cresol	ND	11.2		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	56.2	44	ug/L	78	52 - 120
321-60-8	2-Fluorobiphenyl	56.2	42.6	ug/L	76	16 - 128
1718-51-0	Terphenyl-d14	56.2	47.8	ug/L	85	43 - 138
4165-62-2	Phenol-d5	112	82.4	ug/L	73	10 - 120
367-12-4	2-Fluorophenol	112	77.4	ug/L	69	10 - 120
118-79-6	2,4,6-Tribromophenol	112	77.2	ug/L	69	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094310	JP-6 GW	Water	11/05/2009 08:25	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:41	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 14:22	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.15**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094311	HA-1 (0-2)	Solid	11/06/2009 07:35	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 13:38	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2430	2620	ug/Kg	108	62 - 127
1868-53-7	Dibromofluoromethane	2430	2620	ug/Kg	108	65 - 130
2037-26-5	Toluene d8	2430	2430	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2430	2540	ug/Kg	104	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 13:04	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	325		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	325		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	325		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	325		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	325		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1620		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	325		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	325		ug/Kg
91-58-7	2-Chloronaphthalene	ND	325		ug/Kg
95-57-8	2-Chlorophenol	ND	325		ug/Kg
91-57-6	2-Methylnaphthalene	ND	325		ug/Kg
88-74-4	2-Nitroaniline	ND	1620		ug/Kg
88-75-5	2-Nitrophenol	ND	325		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	649		ug/Kg
99-09-2	3-Nitroaniline	ND	1620		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1620		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	325		ug/Kg
106-47-8	4-Chloroaniline	ND	325		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	325		ug/Kg
83-32-9	Acenaphthene	ND	325		ug/Kg
208-96-8	Acenaphthylene	ND	325		ug/Kg
62-53-3	Aniline	ND	63.9		ug/Kg
120-12-7	Anthracene	ND	325		ug/Kg
56-55-3	Benzo(a)anthracene	ND	325		ug/Kg
50-32-8	Benzo(a)pyrene	ND	325		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	325		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	325		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	325		ug/Kg
100-51-6	Benzyl alcohol	ND	325		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	325		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	325		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	325		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094311	HA-1 (0-2)	Solid	11/06/2009 07:35	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 13:04	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	325		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	325		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	325		ug/Kg
86-74-8	Carbazole	ND	325		ug/Kg
218-01-9	Chrysene	ND	325		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	325		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	325		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	325		ug/Kg
132-64-9	Dibenzofuran	ND	325		ug/Kg
84-66-2	Diethyl phthalate	ND	325		ug/Kg
131-11-3	Dimethyl phthalate	ND	325		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	325		ug/Kg
206-44-0	Fluoranthene	ND	325		ug/Kg
86-73-7	Fluorene	ND	325		ug/Kg
118-74-1	Hexachlorobenzene	ND	325		ug/Kg
87-68-3	Hexachlorobutadiene	ND	325		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	325		ug/Kg
67-72-1	Hexachloroethane	ND	325		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	325		ug/Kg
78-59-1	Isophorone	ND	325		ug/Kg
91-20-3	Naphthalene	ND	325		ug/Kg
100-01-6	4-Nitroaniline	ND	1620		ug/Kg
98-95-3	Nitrobenzene	ND	325		ug/Kg
100-02-7	4-Nitrophenol	ND	1620		ug/Kg
87-86-5	Pentachlorophenol	ND	1620		ug/Kg
85-01-8	Phenanthrene	ND	325		ug/Kg
108-95-2	Phenol	ND	325		ug/Kg
129-00-0	Pyrene	ND	325		ug/Kg
110-86-1	Pyridine	ND	325		ug/Kg
1319-77-3MP	m,p-Cresol	ND	325		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	325		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	325		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	325		ug/Kg
95-48-7	o-Cresol	ND	325		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1390	ug/Kg	85	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1390	ug/Kg	85	47 - 127
1718-51-0	Terphenyl-d14	1640	1450	ug/Kg	88	38 - 167
4165-62-2	Phenol-d5	3280	2470	ug/Kg	75	43 - 123
367-12-4	2-Fluorophenol	3280	2630	ug/Kg	80	51 - 119
118-79-6	2,4,6-Tribromophenol	3280	1890	ug/Kg	58	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094311	HA-1 (0-2)	Solid	11/06/2009 07:35	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:19	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.042**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 20:35	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.60		mg/kg
7440-39-3	**Barium**	**106**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**9.27**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094312	HA-1 (2-4)	Solid	11/06/2009 07:50	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 15:16	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2440	2630	ug/Kg	108	62 - 127
1868-53-7	Dibromofluoromethane	2440	2530	ug/Kg	104	65 - 130
2037-26-5	Toluene d8	2440	2410	ug/Kg	99	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2440	2500	ug/Kg	102	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 14:03	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094312	HA-1 (2-4)	Solid	11/06/2009 07:50	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 14:03	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1580	ug/Kg	95	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1540	ug/Kg	93	47 - 127
1718-51-0	Terphenyl-d14	1660	1760	ug/Kg	106	38 - 167
4165-62-2	Phenol-d5	3310	2790	ug/Kg	84	43 - 123
367-12-4	2-Fluorophenol	3310	2860	ug/Kg	86	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2170	ug/Kg	66	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094312	HA-1 (2-4)	Solid	11/06/2009 07:50	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:21	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.032**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 20:41	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.60		mg/kg
7440-39-3	**Barium**	**67.1**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**0.89**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**5.27**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094313	HA2 (0-2)	Solid	11/06/2009 08:38	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 15:39	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	44		ug/Kg
100-41-4	Ethylbenzene	ND	220		ug/Kg
108-88-3	Toluene	ND	220		ug/Kg
1330-20-7	Xylene (total)	ND	440		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2200	2270	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	2200	2380	ug/Kg	108	65 - 130
2037-26-5	Toluene d8	2200	2140	ug/Kg	97	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2200	2300	ug/Kg	105	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 14:23	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	325		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	325		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	325		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	325		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	325		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1620		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	325		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	325		ug/Kg
91-58-7	2-Chloronaphthalene	ND	325		ug/Kg
95-57-8	2-Chlorophenol	ND	325		ug/Kg
91-57-6	2-Methylnaphthalene	ND	325		ug/Kg
88-74-4	2-Nitroaniline	ND	1620		ug/Kg
88-75-5	2-Nitrophenol	ND	325		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	649		ug/Kg
99-09-2	3-Nitroaniline	ND	1620		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1620		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	325		ug/Kg
106-47-8	4-Chloroaniline	ND	325		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	325		ug/Kg
83-32-9	Acenaphthene	ND	325		ug/Kg
208-96-8	Acenaphthylene	ND	325		ug/Kg
62-53-3	Aniline	ND	63.9		ug/Kg
120-12-7	Anthracene	ND	325		ug/Kg
56-55-3	Benzo(a)anthracene	ND	325		ug/Kg
50-32-8	Benzo(a)pyrene	ND	325		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	325		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	325		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	325		ug/Kg
100-51-6	Benzyl alcohol	ND	325		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	325		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	325		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	325		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094313	HA2 (0-2)	Solid	11/06/2009 08:38	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 14:23	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	325		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	325		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	325		ug/Kg
86-74-8	Carbazole	ND	325		ug/Kg
218-01-9	Chrysene	ND	325		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	325		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	325		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	325		ug/Kg
132-64-9	Dibenzofuran	ND	325		ug/Kg
84-66-2	Diethyl phthalate	ND	325		ug/Kg
131-11-3	Dimethyl phthalate	ND	325		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	325		ug/Kg
206-44-0	Fluoranthene	ND	325		ug/Kg
86-73-7	Fluorene	ND	325		ug/Kg
118-74-1	Hexachlorobenzene	ND	325		ug/Kg
87-68-3	Hexachlorobutadiene	ND	325		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	325		ug/Kg
67-72-1	Hexachloroethane	ND	325		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	325		ug/Kg
78-59-1	Isophorone	ND	325		ug/Kg
91-20-3	Naphthalene	ND	325		ug/Kg
100-01-6	4-Nitroaniline	ND	1620		ug/Kg
98-95-3	Nitrobenzene	ND	325		ug/Kg
100-02-7	4-Nitrophenol	ND	1620		ug/Kg
87-86-5	Pentachlorophenol	ND	1620		ug/Kg
85-01-8	Phenanthrene	ND	325		ug/Kg
108-95-2	Phenol	ND	325		ug/Kg
129-00-0	Pyrene	ND	325		ug/Kg
110-86-1	Pyridine	ND	325		ug/Kg
1319-77-3MP	m,p-Cresol	ND	325		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	325		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	325		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	325		ug/Kg
95-48-7	o-Cresol	ND	325		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1380	ug/Kg	84	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1400	ug/Kg	85	47 - 127
1718-51-0	Terphenyl-d14	1640	1550	ug/Kg	95	38 - 167
4165-62-2	Phenol-d5	3280	2590	ug/Kg	79	43 - 123
367-12-4	2-Fluorophenol	3280	2710	ug/Kg	83	51 - 119
118-79-6	2,4,6-Tribromophenol	3280	2110	ug/Kg	64	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094313	HA2 (0-2)	Solid	11/06/2009 08:38	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:22	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.047**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 20:47	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.77**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**188**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**0.71**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**6.39**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094314	HA2 (2-4)	Solid	11/06/2009 08:48	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 16:05	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	46		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	460		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2310	2510	ug/Kg	109	62 - 127
1868-53-7	Dibromofluoromethane	2310	2510	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2310	2250	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2310	2420	ug/Kg	105	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 14:43	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	327		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	327		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	327		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	327		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	327		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	327		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	327		ug/Kg
91-58-7	2-Chloronaphthalene	ND	327		ug/Kg
95-57-8	2-Chlorophenol	ND	327		ug/Kg
91-57-6	2-Methylnaphthalene	ND	327		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	327		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	653		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	327		ug/Kg
106-47-8	4-Chloroaniline	ND	327		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	327		ug/Kg
83-32-9	Acenaphthene	ND	327		ug/Kg
208-96-8	Acenaphthylene	ND	327		ug/Kg
62-53-3	Aniline	ND	64.4		ug/Kg
120-12-7	Anthracene	ND	327		ug/Kg
56-55-3	Benzo(a)anthracene	ND	327		ug/Kg
50-32-8	Benzo(a)pyrene	ND	327		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	327		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	327		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	327		ug/Kg
100-51-6	Benzyl alcohol	ND	327		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	327		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	327		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	327		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094314	HA2 (2-4)	Solid	11/06/2009 08:48	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 14:43	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	327		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	327		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	327		ug/Kg
86-74-8	Carbazole	ND	327		ug/Kg
218-01-9	Chrysene	ND	327		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	327		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	327		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	327		ug/Kg
132-64-9	Dibenzofuran	ND	327		ug/Kg
84-66-2	Diethyl phthalate	ND	327		ug/Kg
131-11-3	Dimethyl phthalate	ND	327		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	327		ug/Kg
206-44-0	Fluoranthene	ND	327		ug/Kg
86-73-7	Fluorene	ND	327		ug/Kg
118-74-1	Hexachlorobenzene	ND	327		ug/Kg
87-68-3	Hexachlorobutadiene	ND	327		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	327		ug/Kg
67-72-1	Hexachloroethane	ND	327		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	327		ug/Kg
78-59-1	Isophorone	ND	327		ug/Kg
91-20-3	Naphthalene	ND	327		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	327		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	327		ug/Kg
108-95-2	Phenol	ND	327		ug/Kg
129-00-0	Pyrene	ND	327		ug/Kg
110-86-1	Pyridine	ND	327		ug/Kg
1319-77-3MP	m,p-Cresol	ND	327		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	327		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	327		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	327		ug/Kg
95-48-7	o-Cresol	ND	327		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1650	1360	ug/Kg	82	46 - 123
321-60-8	2-Fluorobiphenyl	1650	1370	ug/Kg	83	47 - 127
1718-51-0	Terphenyl-d14	1650	1470	ug/Kg	89	38 - 167
4165-62-2	Phenol-d5	3300	2470	ug/Kg	75	43 - 123
367-12-4	2-Fluorophenol	3300	2550	ug/Kg	77	51 - 119
118-79-6	2,4,6-Tribromophenol	3300	2130	ug/Kg	65	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094314	HA2 (2-4)	Solid	11/06/2009 08:48	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:10	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.045**	**0.010**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 20:04	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**5.56**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**37.1**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**6.61**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094315	HA3 (0-2)	Solid	11/06/2009 09:17	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/16/2009 00:30	AGC	421955

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	28		ug/Kg
100-41-4	Ethylbenzene	ND	280		ug/Kg
108-88-3	Toluene	ND	280		ug/Kg
1330-20-7	Xylene (total)	ND	560		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2780	2610	ug/Kg	94	62 - 127
1868-53-7	Dibromofluoromethane	2780	2650	ug/Kg	95	65 - 130
2037-26-5	Toluene d8	2780	2650	ug/Kg	95	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2780	2810	ug/Kg	101	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 15:02	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	329		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	329		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	329		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	329		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	329		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	329		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	329		ug/Kg
91-58-7	2-Chloronaphthalene	ND	329		ug/Kg
95-57-8	2-Chlorophenol	ND	329		ug/Kg
91-57-6	2-Methylnaphthalene	ND	329		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	329		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	658		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	329		ug/Kg
106-47-8	4-Chloroaniline	ND	329		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	329		ug/Kg
83-32-9	Acenaphthene	ND	329		ug/Kg
208-96-8	Acenaphthylene	ND	329		ug/Kg
62-53-3	Aniline	ND	64.8		ug/Kg
120-12-7	Anthracene	ND	329		ug/Kg
56-55-3	Benzo(a)anthracene	ND	329		ug/Kg
50-32-8	Benzo(a)pyrene	ND	329		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	329		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	329		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	329		ug/Kg
100-51-6	Benzyl alcohol	ND	329		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	329		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	329		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	329		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094315	HA3 (0-2)	Solid	11/06/2009 09:17	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 15:02	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	329		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	329		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	329		ug/Kg
86-74-8	Carbazole	ND	329		ug/Kg
218-01-9	Chrysene	ND	329		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	329		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	329		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	329		ug/Kg
132-64-9	Dibenzofuran	ND	329		ug/Kg
84-66-2	Diethyl phthalate	ND	329		ug/Kg
131-11-3	Dimethyl phthalate	ND	329		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	329		ug/Kg
206-44-0	Fluoranthene	ND	329		ug/Kg
86-73-7	Fluorene	ND	329		ug/Kg
118-74-1	Hexachlorobenzene	ND	329		ug/Kg
87-68-3	Hexachlorobutadiene	ND	329		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	329		ug/Kg
67-72-1	Hexachloroethane	ND	329		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	329		ug/Kg
78-59-1	Isophorone	ND	329		ug/Kg
91-20-3	Naphthalene	ND	329		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	329		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	329		ug/Kg
108-95-2	Phenol	ND	329		ug/Kg
129-00-0	Pyrene	ND	329		ug/Kg
110-86-1	Pyridine	ND	329		ug/Kg
1319-77-3MP	m,p-Cresol	ND	329		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	329		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	329		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	329		ug/Kg
95-48-7	o-Cresol	ND	329		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1480	ug/Kg	89	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1510	ug/Kg	91	47 - 127
1718-51-0	Terphenyl-d14	1660	1620	ug/Kg	98	38 - 167
4165-62-2	Phenol-d5	3320	2790	ug/Kg	84	43 - 123
367-12-4	2-Fluorophenol	3320	2800	ug/Kg	84	51 - 119
118-79-6	2,4,6-Tribromophenol	3320	1940	ug/Kg	58	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094315	HA3 (0-2)	Solid	11/06/2009 09:17	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:24	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.060**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:05	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.60		mg/kg
7440-39-3	**Barium**	**115**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**22.7**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094316	HA3 (2-4)	Solid	11/06/2009 09:25	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 16:28	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	46		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	460		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2280	2410	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	2280	2510	ug/Kg	110	65 - 130
2037-26-5	Toluene d8	2280	2200	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2280	2440	ug/Kg	107	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 15:22	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094316	HA3 (2-4)	Solid	11/06/2009 09:25	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 15:22	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1500	ug/Kg	91	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1550	ug/Kg	94	47 - 127
1718-51-0	Terphenyl-d14	1660	1680	ug/Kg	101	38 - 167
4165-62-2	Phenol-d5	3310	2950	ug/Kg	89	43 - 123
367-12-4	2-Fluorophenol	3310	3020	ug/Kg	91	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2320	ug/Kg	70	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094316	HA3 (2-4)	Solid	11/06/2009 09:25	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:26	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.038**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:11	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**6.37**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**116**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**5.83**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094317	JP-7 (2-4)	Solid	11/05/2009 09:00	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 16:52	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2430	2610	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2430	2620	ug/Kg	108	65 - 130
2037-26-5	Toluene d8	2430	2310	ug/Kg	95	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2430	2590	ug/Kg	107	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 15:42	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	**Benzo(a)anthracene**	**389**	**328**		**ug/Kg**
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	**Benzo(b)fluoranthene**	**392**	**328**		**ug/Kg**
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094317	JP-7 (2-4)	Solid	11/05/2009 09:00	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 15:42	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	**Chrysene**	**360**	**328**		**ug/Kg**
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	**Fluoranthene**	**1130**	**328**		**ug/Kg**
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	**Naphthalene**	**403**	**328**		**ug/Kg**
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	**Phenanthrene**	**1630**	**328**		**ug/Kg**
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	**Pyrene**	**931**	**328**		**ug/Kg**
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1260	ug/Kg	76	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1400	ug/Kg	85	47 - 127
1718-51-0	Terphenyl-d14	1660	1610	ug/Kg	97	38 - 167
4165-62-2	Phenol-d5	3310	2530	ug/Kg	76	43 - 123
367-12-4	2-Fluorophenol	3310	2590	ug/Kg	78	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2280	ug/Kg	69	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094317	JP-7 (2-4)	Solid	11/05/2009 09:00	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:27	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.038**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:17	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**4.36**	**1.59**		**mg/kg**
7440-39-3	**Barium**	**108**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**1.15**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**19.1**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094318	JP-7 (4-6)	Solid	11/05/2009 09:07	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 17:17	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	45		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	450		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2250	2440	ug/Kg	108	62 - 127
1868-53-7	Dibromofluoromethane	2250	2400	ug/Kg	107	65 - 130
2037-26-5	Toluene d8	2250	2270	ug/Kg	101	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2250	2320	ug/Kg	103	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:01	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	327		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	327		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	327		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	327		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	327		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	327		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	327		ug/Kg
91-58-7	2-Chloronaphthalene	ND	327		ug/Kg
95-57-8	2-Chlorophenol	ND	327		ug/Kg
91-57-6	2-Methylnaphthalene	ND	327		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	327		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	653		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	327		ug/Kg
106-47-8	4-Chloroaniline	ND	327		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	327		ug/Kg
83-32-9	Acenaphthene	ND	327		ug/Kg
208-96-8	Acenaphthylene	ND	327		ug/Kg
62-53-3	Aniline	ND	64.4		ug/Kg
120-12-7	Anthracene	ND	327		ug/Kg
56-55-3	Benzo(a)anthracene	ND	327		ug/Kg
50-32-8	Benzo(a)pyrene	ND	327		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	327		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	327		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	327		ug/Kg
100-51-6	Benzyl alcohol	ND	327		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	327		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	327		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	327		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094318	JP-7 (4-6)	Solid	11/05/2009 09:07	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:01	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	327		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	327		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	327		ug/Kg
86-74-8	Carbazole	ND	327		ug/Kg
218-01-9	Chrysene	ND	327		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	327		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	327		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	327		ug/Kg
132-64-9	Dibenzofuran	ND	327		ug/Kg
84-66-2	Diethyl phthalate	ND	327		ug/Kg
131-11-3	Dimethyl phthalate	ND	327		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	327		ug/Kg
206-44-0	Fluoranthene	ND	327		ug/Kg
86-73-7	Fluorene	ND	327		ug/Kg
118-74-1	Hexachlorobenzene	ND	327		ug/Kg
87-68-3	Hexachlorobutadiene	ND	327		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	327		ug/Kg
67-72-1	Hexachloroethane	ND	327		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	327		ug/Kg
78-59-1	Isophorone	ND	327		ug/Kg
91-20-3	Naphthalene	ND	327		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	327		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	327		ug/Kg
108-95-2	Phenol	ND	327		ug/Kg
129-00-0	Pyrene	ND	327		ug/Kg
110-86-1	Pyridine	ND	327		ug/Kg
1319-77-3MP	m,p-Cresol	ND	327		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	327		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	327		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	327		ug/Kg
95-48-7	o-Cresol	ND	327		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1650	1520	ug/Kg	92	46 - 123
321-60-8	2-Fluorobiphenyl	1650	1560	ug/Kg	95	47 - 127
1718-51-0	Terphenyl-d14	1650	1530	ug/Kg	93	38 - 167
4165-62-2	Phenol-d5	3300	2670	ug/Kg	81	43 - 123
367-12-4	2-Fluorophenol	3300	2720	ug/Kg	82	51 - 119
118-79-6	2,4,6-Tribromophenol	3300	2330	ug/Kg	71	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094318	JP-7 (4-6)	Solid	11/05/2009 09:07	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:29	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.025**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:23	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.04**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**86.2**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**2.08**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**8.62**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094319	JP-8 (0-2)	Solid	11/05/2009 09:50	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 18:10	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	46		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	460		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2280	2480	ug/Kg	109	62 - 127
1868-53-7	Dibromofluoromethane	2280	2540	ug/Kg	111	65 - 130
2037-26-5	Toluene d8	2280	2240	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2280	2430	ug/Kg	107	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:20	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	327		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	327		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	327		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	327		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	327		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	327		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	327		ug/Kg
91-58-7	2-Chloronaphthalene	ND	327		ug/Kg
95-57-8	2-Chlorophenol	ND	327		ug/Kg
91-57-6	2-Methylnaphthalene	ND	327		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	327		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	653		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	327		ug/Kg
106-47-8	4-Chloroaniline	ND	327		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	327		ug/Kg
83-32-9	Acenaphthene	ND	327		ug/Kg
208-96-8	Acenaphthylene	ND	327		ug/Kg
62-53-3	Aniline	ND	64.4		ug/Kg
120-12-7	Anthracene	ND	327		ug/Kg
56-55-3	Benzo(a)anthracene	ND	327		ug/Kg
50-32-8	Benzo(a)pyrene	ND	327		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	327		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	327		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	327		ug/Kg
100-51-6	Benzyl alcohol	ND	327		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	327		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	327		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	327		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094319	JP-8 (0-2)	Solid	11/05/2009 09:50	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:20	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	327		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	327		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	327		ug/Kg
86-74-8	Carbazole	ND	327		ug/Kg
218-01-9	Chrysene	ND	327		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	327		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	327		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	327		ug/Kg
132-64-9	Dibenzofuran	ND	327		ug/Kg
84-66-2	Diethyl phthalate	ND	327		ug/Kg
131-11-3	Dimethyl phthalate	ND	327		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	327		ug/Kg
206-44-0	Fluoranthene	ND	327		ug/Kg
86-73-7	Fluorene	ND	327		ug/Kg
118-74-1	Hexachlorobenzene	ND	327		ug/Kg
87-68-3	Hexachlorobutadiene	ND	327		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	327		ug/Kg
67-72-1	Hexachloroethane	ND	327		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	327		ug/Kg
78-59-1	Isophorone	ND	327		ug/Kg
91-20-3	Naphthalene	ND	327		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	327		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	327		ug/Kg
108-95-2	Phenol	ND	327		ug/Kg
129-00-0	Pyrene	ND	327		ug/Kg
110-86-1	Pyridine	ND	327		ug/Kg
1319-77-3MP	m,p-Cresol	ND	327		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	327		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	327		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	327		ug/Kg
95-48-7	o-Cresol	ND	327		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1650	1230	ug/Kg	75	46 - 123
321-60-8	2-Fluorobiphenyl	1650	1290	ug/Kg	78	47 - 127
1718-51-0	Terphenyl-d14	1650	1510	ug/Kg	92	38 - 167
4165-62-2	Phenol-d5	3300	2290	ug/Kg	69	43 - 123
367-12-4	2-Fluorophenol	3300	2430	ug/Kg	74	51 - 119
118-79-6	2,4,6-Tribromophenol	3300	2220	ug/Kg	67	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094319	JP-8 (0-2)	Solid	11/05/2009 09:50	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:31	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.023**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:29	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.62**	**1.59**		**mg/kg**
7440-39-3	**Barium**	**162**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**7.49**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094320	JP-8 (4-6)	Solid	11/05/2009 09:55	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 18:34	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	45		ug/Kg
100-41-4	Ethylbenzene	ND	220		ug/Kg
108-88-3	Toluene	ND	220		ug/Kg
1330-20-7	Xylene (total)	ND	450		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2230	2360	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	2230	2380	ug/Kg	107	65 - 130
2037-26-5	Toluene d8	2230	2170	ug/Kg	97	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2230	2370	ug/Kg	106	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:39	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094320	JP-8 (4-6)	Solid	11/05/2009 09:55	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:39	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1400	ug/Kg	84	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1460	ug/Kg	88	47 - 127
1718-51-0	Terphenyl-d14	1670	1430	ug/Kg	86	38 - 167
4165-62-2	Phenol-d5	3330	2430	ug/Kg	73	43 - 123
367-12-4	2-Fluorophenol	3330	2610	ug/Kg	78	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	2100	ug/Kg	63	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094320	JP-8 (4-6)	Solid	11/05/2009 09:55	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:35	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.046**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:35	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.24**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**131**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**6.93**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094321	JP-9 (2-4)	Solid	11/05/2009 10:19	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 18:59	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	44		ug/Kg
100-41-4	Ethylbenzene	ND	220		ug/Kg
108-88-3	Toluene	ND	220		ug/Kg
1330-20-7	Xylene (total)	ND	440		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2220	2410	ug/Kg	109	62 - 127
1868-53-7	Dibromofluoromethane	2220	2320	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	2220	2220	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2220	2350	ug/Kg	106	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:59	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	329		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	329		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	329		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	329		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	329		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	329		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	329		ug/Kg
91-58-7	2-Chloronaphthalene	ND	329		ug/Kg
95-57-8	2-Chlorophenol	ND	329		ug/Kg
91-57-6	2-Methylnaphthalene	ND	329		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	329		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	658		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	329		ug/Kg
106-47-8	4-Chloroaniline	ND	329		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	329		ug/Kg
83-32-9	Acenaphthene	ND	329		ug/Kg
208-96-8	Acenaphthylene	ND	329		ug/Kg
62-53-3	Aniline	ND	64.8		ug/Kg
120-12-7	Anthracene	ND	329		ug/Kg
56-55-3	Benzo(a)anthracene	ND	329		ug/Kg
50-32-8	Benzo(a)pyrene	ND	329		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	329		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	329		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	329		ug/Kg
100-51-6	Benzyl alcohol	ND	329		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	329		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	329		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	329		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094321	JP-9 (2-4)	Solid	11/05/2009 10:19	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 16:59	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	329		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	329		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	329		ug/Kg
86-74-8	Carbazole	ND	329		ug/Kg
218-01-9	Chrysene	ND	329		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	329		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	329		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	329		ug/Kg
132-64-9	Dibenzofuran	ND	329		ug/Kg
84-66-2	Diethyl phthalate	ND	329		ug/Kg
131-11-3	Dimethyl phthalate	ND	329		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	329		ug/Kg
206-44-0	Fluoranthene	ND	329		ug/Kg
86-73-7	Fluorene	ND	329		ug/Kg
118-74-1	Hexachlorobenzene	ND	329		ug/Kg
87-68-3	Hexachlorobutadiene	ND	329		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	329		ug/Kg
67-72-1	Hexachloroethane	ND	329		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	329		ug/Kg
78-59-1	Isophorone	ND	329		ug/Kg
91-20-3	Naphthalene	ND	329		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	329		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	329		ug/Kg
108-95-2	Phenol	ND	329		ug/Kg
129-00-0	Pyrene	ND	329		ug/Kg
110-86-1	Pyridine	ND	329		ug/Kg
1319-77-3MP	m,p-Cresol	ND	329		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	329		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	329		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	329		ug/Kg
95-48-7	o-Cresol	ND	329		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1360	ug/Kg	82	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1470	ug/Kg	88	47 - 127
1718-51-0	Terphenyl-d14	1660	1500	ug/Kg	90	38 - 167
4165-62-2	Phenol-d5	3320	2750	ug/Kg	83	43 - 123
367-12-4	2-Fluorophenol	3320	2890	ug/Kg	87	51 - 119
118-79-6	2,4,6-Tribromophenol	3320	2350	ug/Kg	71	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094321	JP-9 (2-4)	Solid	11/05/2009 10:19	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:37	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.10**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:41	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.20**	**1.59**		**mg/kg**
7440-39-3	**Barium**	**106**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**7.99**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094322	**JP-9 (4-6)**	Solid	11/05/2009 10:25	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 19:35	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	47		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	470		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2360	2740	ug/Kg	116	62 - 127
1868-53-7	Dibromofluoromethane	2360	2610	ug/Kg	111	65 - 130
2037-26-5	Toluene d8	2360	2190	ug/Kg	93	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2360	2530	ug/Kg	107	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 17:18	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	327		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	327		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	327		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	327		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	327		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	327		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	327		ug/Kg
91-58-7	2-Chloronaphthalene	ND	327		ug/Kg
95-57-8	2-Chlorophenol	ND	327		ug/Kg
91-57-6	2-Methylnaphthalene	ND	327		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	327		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	653		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	327		ug/Kg
106-47-8	4-Chloroaniline	ND	327		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	327		ug/Kg
83-32-9	Acenaphthene	ND	327		ug/Kg
208-96-8	Acenaphthylene	ND	327		ug/Kg
62-53-3	Aniline	ND	64.4		ug/Kg
120-12-7	Anthracene	ND	327		ug/Kg
56-55-3	Benzo(a)anthracene	ND	327		ug/Kg
50-32-8	Benzo(a)pyrene	ND	327		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	327		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	327		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	327		ug/Kg
100-51-6	Benzyl alcohol	ND	327		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	327		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	327		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	327		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094322	JP-9 (4-6)	Solid	11/05/2009 10:25	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 17:18	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	327		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	327		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	327		ug/Kg
86-74-8	Carbazole	ND	327		ug/Kg
218-01-9	Chrysene	ND	327		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	327		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	327		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	327		ug/Kg
132-64-9	Dibenzofuran	ND	327		ug/Kg
84-66-2	Diethyl phthalate	ND	327		ug/Kg
131-11-3	Dimethyl phthalate	ND	327		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	327		ug/Kg
206-44-0	Fluoranthene	ND	327		ug/Kg
86-73-7	Fluorene	ND	327		ug/Kg
118-74-1	Hexachlorobenzene	ND	327		ug/Kg
87-68-3	Hexachlorobutadiene	ND	327		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	327		ug/Kg
67-72-1	Hexachloroethane	ND	327		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	327		ug/Kg
78-59-1	Isophorone	ND	327		ug/Kg
91-20-3	Naphthalene	ND	327		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	327		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	327		ug/Kg
108-95-2	Phenol	ND	327		ug/Kg
129-00-0	Pyrene	ND	327		ug/Kg
110-86-1	Pyridine	ND	327		ug/Kg
1319-77-3MP	m,p-Cresol	ND	327		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	327		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	327		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	327		ug/Kg
95-48-7	o-Cresol	ND	327		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1650	1470	ug/Kg	89	46 - 123
321-60-8	2-Fluorobiphenyl	1650	1470	ug/Kg	89	47 - 127
1718-51-0	Terphenyl-d14	1650	1550	ug/Kg	94	38 - 167
4165-62-2	Phenol-d5	3300	2650	ug/Kg	80	43 - 123
367-12-4	2-Fluorophenol	3300	2640	ug/Kg	80	51 - 119
118-79-6	2,4,6-Tribromophenol	3300	2230	ug/Kg	68	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094322	JP-9 (4-6)	Solid	11/05/2009 10:25	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:39	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.049**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/13/2009 14:16	DJH	421911

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.10**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**63.9**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**10.5**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094323	JP-10 (2-4)	Solid	11/05/2009 10:40	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 19:58	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	45		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	450		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2270	2520	ug/Kg	111	62 - 127
1868-53-7	Dibromofluoromethane	2270	2480	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2270	2220	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2270	2500	ug/Kg	110	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 17:40	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094323	JP-10 (2-4)	Solid	11/05/2009 10:40	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 17:40	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1300	ug/Kg	79	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1400	ug/Kg	85	47 - 127
1718-51-0	Terphenyl-d14	1660	1620	ug/Kg	98	38 - 167
4165-62-2	Phenol-d5	3310	2550	ug/Kg	77	43 - 123
367-12-4	2-Fluorophenol	3310	2490	ug/Kg	75	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2010	ug/Kg	61	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094323	**JP-10 (2-4)**	Solid	11/05/2009 10:40	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:40	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.075**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 21:54	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**4.41**	**1.59**		**mg/kg**
7440-39-3	**Barium**	**95.2**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**7.93**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094324	JP-10 (4-6)	Solid	11/05/2009 10:49	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 20:23	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	48		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	480		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2400	2640	ug/Kg	110	62 - 127
1868-53-7	Dibromofluoromethane	2400	2640	ug/Kg	110	65 - 130
2037-26-5	Toluene d8	2400	2380	ug/Kg	99	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2400	2490	ug/Kg	104	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 18:19	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094324	JP-10 (4-6)	Solid	11/05/2009 10:49	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 18:19	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1510	ug/Kg	91	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1630	ug/Kg	98	47 - 127
1718-51-0	Terphenyl-d14	1670	1640	ug/Kg	98	38 - 167
4165-62-2	Phenol-d5	3330	2850	ug/Kg	86	43 - 123
367-12-4	2-Fluorophenol	3330	2880	ug/Kg	86	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	2230	ug/Kg	67	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094324	JP-10 (4-6)	Solid	11/05/2009 10:49	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:42	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.059**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:00	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.59		mg/kg
7440-39-3	**Barium**	**49.3**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**2.25**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**6.87**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094325	JP-11 (2-4)	Solid	11/05/2009 11:22	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 20:47	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	48		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	480		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2420	2580	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2420	2660	ug/Kg	110	65 - 130
2037-26-5	Toluene d8	2420	2260	ug/Kg	93	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2420	2650	ug/Kg	110	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 18:58	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	329		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	329		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	329		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	329		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	329		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	329		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	329		ug/Kg
91-58-7	2-Chloronaphthalene	ND	329		ug/Kg
95-57-8	2-Chlorophenol	ND	329		ug/Kg
91-57-6	2-Methylnaphthalene	ND	329		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	329		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	658		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	329		ug/Kg
106-47-8	4-Chloroaniline	ND	329		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	329		ug/Kg
83-32-9	Acenaphthene	ND	329		ug/Kg
208-96-8	Acenaphthylene	ND	329		ug/Kg
62-53-3	Aniline	ND	64.8		ug/Kg
120-12-7	Anthracene	ND	329		ug/Kg
56-55-3	Benzo(a)anthracene	ND	329		ug/Kg
50-32-8	Benzo(a)pyrene	ND	329		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	329		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	329		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	329		ug/Kg
100-51-6	Benzyl alcohol	ND	329		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	329		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	329		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	329		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094325	JP-11 (2-4)	Solid	11/05/2009 11:22	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 18:58	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	329		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	329		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	329		ug/Kg
86-74-8	Carbazole	ND	329		ug/Kg
218-01-9	Chrysene	ND	329		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	329		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	329		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	329		ug/Kg
132-64-9	Dibenzofuran	ND	329		ug/Kg
84-66-2	Diethyl phthalate	ND	329		ug/Kg
131-11-3	Dimethyl phthalate	ND	329		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	329		ug/Kg
206-44-0	Fluoranthene	ND	329		ug/Kg
86-73-7	Fluorene	ND	329		ug/Kg
118-74-1	Hexachlorobenzene	ND	329		ug/Kg
87-68-3	Hexachlorobutadiene	ND	329		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	329		ug/Kg
67-72-1	Hexachloroethane	ND	329		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	329		ug/Kg
78-59-1	Isophorone	ND	329		ug/Kg
91-20-3	Naphthalene	ND	329		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	329		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	329		ug/Kg
108-95-2	Phenol	ND	329		ug/Kg
129-00-0	Pyrene	ND	329		ug/Kg
110-86-1	Pyridine	ND	329		ug/Kg
1319-77-3MP	m,p-Cresol	ND	329		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	329		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	329		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	329		ug/Kg
95-48-7	o-Cresol	ND	329		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1300	ug/Kg	78	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1460	ug/Kg	88	47 - 127
1718-51-0	Terphenyl-d14	1660	1550	ug/Kg	93	38 - 167
4165-62-2	Phenol-d5	3320	2640	ug/Kg	79	43 - 123
367-12-4	2-Fluorophenol	3320	2710	ug/Kg	82	51 - 119
118-79-6	2,4,6-Tribromophenol	3320	2290	ug/Kg	69	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094325	**JP-11 (2-4)**	Solid	11/05/2009 11:22	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:43	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.028**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:19	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**3.43**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**221**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	**Lead**	**6.93**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094326	JP-11 (4-6)	Solid	11/05/2009 11:30	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 21:11	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	47		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	470		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2350	2510	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2350	2490	ug/Kg	106	65 - 130
2037-26-5	Toluene d8	2350	2230	ug/Kg	95	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2350	2420	ug/Kg	103	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 19:40	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094326	JP-11 (4-6)	Solid	11/05/2009 11:30	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 19:40	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1370	ug/Kg	83	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1430	ug/Kg	86	47 - 127
1718-51-0	Terphenyl-d14	1660	1510	ug/Kg	91	38 - 167
4165-62-2	Phenol-d5	3310	2780	ug/Kg	84	43 - 123
367-12-4	2-Fluorophenol	3310	2710	ug/Kg	82	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2040	ug/Kg	62	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094326	**JP-11 (4-6)**	Solid	11/05/2009 11:30	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:45	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.026**	**0.011**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:25	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**4.14**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**103**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**1.45**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**6.84**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094327	JP-12 (2-4)	Solid	11/05/2009 13:10	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 21:35	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	48		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	480		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2390	2520	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	2390	2600	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2390	2290	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2390	2580	ug/Kg	108	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 20:23	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094327	JP-12 (2-4)	Solid	11/05/2009 13:10	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/16/2009 20:23	KCB	421970

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1380	ug/Kg	83	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1440	ug/Kg	87	47 - 127
1718-51-0	Terphenyl-d14	1660	1570	ug/Kg	95	38 - 167
4165-62-2	Phenol-d5	3310	2570	ug/Kg	78	43 - 123
367-12-4	2-Fluorophenol	3310	2600	ug/Kg	79	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2180	ug/Kg	66	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094327	JP-12 (2-4)	Solid	11/05/2009 13:10	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:46	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.027**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:31	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.27**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**76.2**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**1.28**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**5.99**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094328	JP-12 (4-6)	Solid	11/05/2009 13:26	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 21:58	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2430	2530	ug/Kg	104	62 - 127
1868-53-7	Dibromofluoromethane	2430	2610	ug/Kg	108	65 - 130
2037-26-5	Toluene d8	2430	2300	ug/Kg	95	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2430	2580	ug/Kg	106	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/17/2009 09:47	KCB	422033

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	326		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	326		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	326		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	326		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	326		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	326		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	326		ug/Kg
91-58-7	2-Chloronaphthalene	ND	326		ug/Kg
95-57-8	2-Chlorophenol	ND	326		ug/Kg
91-57-6	2-Methylnaphthalene	ND	326		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	326		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	651		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	326		ug/Kg
106-47-8	4-Chloroaniline	ND	326		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	326		ug/Kg
83-32-9	Acenaphthene	ND	326		ug/Kg
208-96-8	Acenaphthylene	ND	326		ug/Kg
62-53-3	Aniline	ND	64.1		ug/Kg
120-12-7	Anthracene	ND	326		ug/Kg
56-55-3	Benzo(a)anthracene	ND	326		ug/Kg
50-32-8	Benzo(a)pyrene	ND	326		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	326		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	326		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	326		ug/Kg
100-51-6	Benzyl alcohol	ND	326		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	326		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	326		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	326		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094328	JP-12 (4-6)	Solid	11/05/2009 13:26	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/17/2009 09:47	KCB	422033

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	326		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	326		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	326		ug/Kg
86-74-8	Carbazole	ND	326		ug/Kg
218-01-9	Chrysene	ND	326		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	326		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	326		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	326		ug/Kg
132-64-9	Dibenzofuran	ND	326		ug/Kg
84-66-2	Diethyl phthalate	ND	326		ug/Kg
131-11-3	Dimethyl phthalate	ND	326		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	326		ug/Kg
206-44-0	Fluoranthene	ND	326		ug/Kg
86-73-7	Fluorene	ND	326		ug/Kg
118-74-1	Hexachlorobenzene	ND	326		ug/Kg
87-68-3	Hexachlorobutadiene	ND	326		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	326		ug/Kg
67-72-1	Hexachloroethane	ND	326		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	326		ug/Kg
78-59-1	Isophorone	ND	326		ug/Kg
91-20-3	Naphthalene	ND	326		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	326		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	326		ug/Kg
108-95-2	Phenol	ND	326		ug/Kg
129-00-0	Pyrene	ND	326		ug/Kg
110-86-1	Pyridine	ND	326		ug/Kg
1319-77-3MP	m,p-Cresol	ND	326		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	326		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	326		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	326		ug/Kg
95-48-7	o-Cresol	ND	326		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1520	ug/Kg	92	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1460	ug/Kg	89	47 - 127
1718-51-0	Terphenyl-d14	1640	1620	ug/Kg	98	38 - 167
4165-62-2	Phenol-d5	3290	2470	ug/Kg	75	43 - 123
367-12-4	2-Fluorophenol	3290	2830	ug/Kg	86	51 - 119
118-79-6	2,4,6-Tribromophenol	3290	2070	ug/Kg	63	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094328	JP-12 (4-6)	Solid	11/05/2009 13:26	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:48	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.029	0.012		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:37	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	3.29	1.59		mg/kg
7440-39-3	Barium	99.8	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	Lead	9.63	0.60		mg/kg
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094329	JP-1 (2-4)	Solid	11/04/2009 08:48	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/13/2009 22:22	CLH	421908

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	47		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	470		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2370	2570	ug/Kg	108	62 - 127
1868-53-7	Dibromofluoromethane	2370	2480	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	2370	2220	ug/Kg	94	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2370	2580	ug/Kg	109	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/17/2009 10:07	KCB	422033

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094329	JP-1 (2-4)	Solid	11/04/2009 08:48	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/17/2009 10:07	KCB	422033

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1340	ug/Kg	81	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1440	ug/Kg	87	47 - 127
1718-51-0	Terphenyl-d14	1660	1620	ug/Kg	98	38 - 167
4165-62-2	Phenol-d5	3310	2450	ug/Kg	74	43 - 123
367-12-4	2-Fluorophenol	3310	2670	ug/Kg	81	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2160	ug/Kg	65	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094329	**JP-1 (2-4)**	Solid	11/04/2009 08:48	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:50	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	**0.022**	**0.012**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:43	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.60		mg/kg
7440-39-3	**Barium**	**40.7**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**0.83**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**7.53**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094330	JP-1 (4-6)	Solid	11/04/2009 08:57	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 15:56	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	50		ug/Kg
100-41-4	Ethylbenzene	ND	250		ug/Kg
108-88-3	Toluene	ND	250		ug/Kg
1330-20-7	Xylene (total)	ND	500		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2600	ug/Kg	104	62 - 127
1868-53-7	Dibromofluoromethane	2500	2610	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	2500	2400	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2500	2520	ug/Kg	101	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/17/2009 10:26	KCB	422033

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	327		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	327		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	327		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	327		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	327		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	327		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	327		ug/Kg
91-58-7	2-Chloronaphthalene	ND	327		ug/Kg
95-57-8	2-Chlorophenol	ND	327		ug/Kg
91-57-6	2-Methylnaphthalene	ND	327		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	327		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	653		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	327		ug/Kg
106-47-8	4-Chloroaniline	ND	327		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	327		ug/Kg
83-32-9	Acenaphthene	ND	327		ug/Kg
208-96-8	Acenaphthylene	ND	327		ug/Kg
62-53-3	Aniline	ND	64.4		ug/Kg
120-12-7	Anthracene	ND	327		ug/Kg
56-55-3	Benzo(a)anthracene	ND	327		ug/Kg
50-32-8	Benzo(a)pyrene	ND	327		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	327		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	327		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	327		ug/Kg
100-51-6	Benzyl alcohol	ND	327		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	327		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	327		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	327		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094330	JP-1 (4-6)	Solid	11/04/2009 08:57	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 15:00	421691	3550B	1	11/17/2009 10:26	KCB	422033

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	327		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	327		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	327		ug/Kg
86-74-8	Carbazole	ND	327		ug/Kg
218-01-9	Chrysene	ND	327		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	327		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	327		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	327		ug/Kg
132-64-9	Dibenzofuran	ND	327		ug/Kg
84-66-2	Diethyl phthalate	ND	327		ug/Kg
131-11-3	Dimethyl phthalate	ND	327		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	327		ug/Kg
206-44-0	Fluoranthene	ND	327		ug/Kg
86-73-7	Fluorene	ND	327		ug/Kg
118-74-1	Hexachlorobenzene	ND	327		ug/Kg
87-68-3	Hexachlorobutadiene	ND	327		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	327		ug/Kg
67-72-1	Hexachloroethane	ND	327		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	327		ug/Kg
78-59-1	Isophorone	ND	327		ug/Kg
91-20-3	Naphthalene	ND	327		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	327		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	327		ug/Kg
108-95-2	Phenol	ND	327		ug/Kg
129-00-0	Pyrene	ND	327		ug/Kg
110-86-1	Pyridine	ND	327		ug/Kg
1319-77-3MP	m,p-Cresol	ND	327		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	327		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	327		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	327		ug/Kg
95-48-7	o-Cresol	ND	327		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1650	1470	ug/Kg	89	46 - 123
321-60-8	2-Fluorobiphenyl	1650	1500	ug/Kg	91	47 - 127
1718-51-0	Terphenyl-d14	1650	1560	ug/Kg	95	38 - 167
4165-62-2	Phenol-d5	3300	2580	ug/Kg	78	43 - 123
367-12-4	2-Fluorophenol	3300	2870	ug/Kg	87	51 - 119
118-79-6	2,4,6-Tribromophenol	3300	2050	ug/Kg	62	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094330	JP-1 (4-6)	Solid	11/04/2009 08:57	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 11:00	421670	SW-846 7471B	1	11/11/2009 14:55	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.029**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 13:40	421668	SW-846 3050B	1	11/12/2009 22:49	CNB	421835

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.36**	**1.60**		**mg/kg**
7440-39-3	**Barium**	**48.6**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**1.66**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**8.36**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094331	JP-2 (2-4)	Solid	11/04/2009 09:48	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 16:23	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	50		ug/Kg
100-41-4	Ethylbenzene	ND	250		ug/Kg
108-88-3	Toluene	ND	250		ug/Kg
1330-20-7	Xylene (total)	ND	500		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2480	2600	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	2480	2560	ug/Kg	103	65 - 130
2037-26-5	Toluene d8	2480	2280	ug/Kg	92	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2480	2560	ug/Kg	103	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 12:58	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	326		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	326		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	326		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	326		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	326		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	326		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	326		ug/Kg
91-58-7	2-Chloronaphthalene	ND	326		ug/Kg
95-57-8	2-Chlorophenol	ND	326		ug/Kg
91-57-6	2-Methylnaphthalene	ND	326		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	326		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	651		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	326		ug/Kg
106-47-8	4-Chloroaniline	ND	326		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	326		ug/Kg
83-32-9	Acenaphthene	ND	326		ug/Kg
208-96-8	Acenaphthylene	ND	326		ug/Kg
62-53-3	Aniline	ND	64.1		ug/Kg
120-12-7	Anthracene	ND	326		ug/Kg
56-55-3	Benzo(a)anthracene	ND	326		ug/Kg
50-32-8	Benzo(a)pyrene	ND	326		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	326		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	326		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	326		ug/Kg
100-51-6	Benzyl alcohol	ND	326		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	326		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	326		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	326		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094331	JP-2 (2-4)	Solid	11/04/2009 09:48	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 12:58	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	326		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	326		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	326		ug/Kg
86-74-8	Carbazole	ND	326		ug/Kg
218-01-9	Chrysene	ND	326		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	326		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	326		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	326		ug/Kg
132-64-9	Dibenzofuran	ND	326		ug/Kg
84-66-2	Diethyl phthalate	ND	326		ug/Kg
131-11-3	Dimethyl phthalate	ND	326		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	326		ug/Kg
206-44-0	Fluoranthene	ND	326		ug/Kg
86-73-7	Fluorene	ND	326		ug/Kg
118-74-1	Hexachlorobenzene	ND	326		ug/Kg
87-68-3	Hexachlorobutadiene	ND	326		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	326		ug/Kg
67-72-1	Hexachloroethane	ND	326		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	326		ug/Kg
78-59-1	Isophorone	ND	326		ug/Kg
91-20-3	Naphthalene	ND	326		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	326		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	326		ug/Kg
108-95-2	Phenol	ND	326		ug/Kg
129-00-0	Pyrene	ND	326		ug/Kg
110-86-1	Pyridine	ND	326		ug/Kg
1319-77-3MP	m,p-Cresol	ND	326		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	326		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	326		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	326		ug/Kg
95-48-7	o-Cresol	ND	326		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1380	ug/Kg	84	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1380	ug/Kg	84	47 - 127
1718-51-0	Terphenyl-d14	1640	1500	ug/Kg	91	38 - 167
4165-62-2	Phenol-d5	3290	2470	ug/Kg	75	43 - 123
367-12-4	2-Fluorophenol	3290	2500	ug/Kg	76	51 - 119
118-79-6	2,4,6-Tribromophenol	3290	2370	ug/Kg	72	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094331	JP-2 (2-4)	Solid	11/04/2009 09:48	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 14:59	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.048	0.010		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 13:58	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.60		mg/kg
7440-39-3	Barium	63.7	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	3.01	0.40		mg/kg
7439-92-1	Lead	9.45	0.60		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094332	JP-2 (4-6)	Solid	11/04/2009 09:56	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 16:47	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2450	2560	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	2450	2660	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2450	2220	ug/Kg	91	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2450	2560	ug/Kg	105	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 13:15	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	329		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	329		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	329		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	329		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	329		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	329		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	329		ug/Kg
91-58-7	2-Chloronaphthalene	ND	329		ug/Kg
95-57-8	2-Chlorophenol	ND	329		ug/Kg
91-57-6	2-Methylnaphthalene	ND	329		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	329		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	658		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	329		ug/Kg
106-47-8	4-Chloroaniline	ND	329		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	329		ug/Kg
83-32-9	Acenaphthene	ND	329		ug/Kg
208-96-8	Acenaphthylene	ND	329		ug/Kg
62-53-3	Aniline	ND	64.8		ug/Kg
120-12-7	Anthracene	ND	329		ug/Kg
56-55-3	Benzo(a)anthracene	ND	329		ug/Kg
50-32-8	Benzo(a)pyrene	ND	329		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	329		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	329		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	329		ug/Kg
100-51-6	Benzyl alcohol	ND	329		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	329		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	329		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	329		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094332	JP-2 (4-6)	Solid	11/04/2009 09:56	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 13:15	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	329		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	329		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	329		ug/Kg
86-74-8	Carbazole	ND	329		ug/Kg
218-01-9	Chrysene	ND	329		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	329		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	329		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	329		ug/Kg
132-64-9	Dibenzofuran	ND	329		ug/Kg
84-66-2	Diethyl phthalate	ND	329		ug/Kg
131-11-3	Dimethyl phthalate	ND	329		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	329		ug/Kg
206-44-0	Fluoranthene	ND	329		ug/Kg
86-73-7	Fluorene	ND	329		ug/Kg
118-74-1	Hexachlorobenzene	ND	329		ug/Kg
87-68-3	Hexachlorobutadiene	ND	329		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	329		ug/Kg
67-72-1	Hexachloroethane	ND	329		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	329		ug/Kg
78-59-1	Isophorone	ND	329		ug/Kg
91-20-3	Naphthalene	ND	329		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	329		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	329		ug/Kg
108-95-2	Phenol	ND	329		ug/Kg
129-00-0	Pyrene	ND	329		ug/Kg
110-86-1	Pyridine	ND	329		ug/Kg
1319-77-3MP	m,p-Cresol	ND	329		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	329		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	329		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	329		ug/Kg
95-48-7	o-Cresol	ND	329		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1300	ug/Kg	78	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1280	ug/Kg	77	47 - 127
1718-51-0	Terphenyl-d14	1660	1540	ug/Kg	93	38 - 167
4165-62-2	Phenol-d5	3320	2340	ug/Kg	70	43 - 123
367-12-4	2-Fluorophenol	3320	2260	ug/Kg	68	51 - 119
118-79-6	2,4,6-Tribromophenol	3320	2460	ug/Kg	74	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094332	**JP-2 (4-6)**	Solid	11/04/2009 09:56	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:07	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.038**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 15:00	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.67**	**1.59**		**mg/kg**
7440-39-3	**Barium**	**80.7**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**3.32**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**9.34**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094333	JP-3 (2-4)	Solid	11/04/2009 10:40	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 17:13	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	47		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	470		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2350	2480	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	2350	2480	ug/Kg	106	65 - 130
2037-26-5	Toluene d8	2350	2210	ug/Kg	94	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2350	2390	ug/Kg	102	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 13:30	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	325		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	325		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	325		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	325		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	325		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1620		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	325		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	325		ug/Kg
91-58-7	2-Chloronaphthalene	ND	325		ug/Kg
95-57-8	2-Chlorophenol	ND	325		ug/Kg
91-57-6	2-Methylnaphthalene	ND	325		ug/Kg
88-74-4	2-Nitroaniline	ND	1620		ug/Kg
88-75-5	2-Nitrophenol	ND	325		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	649		ug/Kg
99-09-2	3-Nitroaniline	ND	1620		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1620		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	325		ug/Kg
106-47-8	4-Chloroaniline	ND	325		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	325		ug/Kg
83-32-9	Acenaphthene	ND	325		ug/Kg
208-96-8	Acenaphthylene	ND	325		ug/Kg
62-53-3	Aniline	ND	63.9		ug/Kg
120-12-7	Anthracene	ND	325		ug/Kg
56-55-3	Benzo(a)anthracene	ND	325		ug/Kg
50-32-8	Benzo(a)pyrene	ND	325		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	325		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	325		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	325		ug/Kg
100-51-6	Benzyl alcohol	ND	325		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	325		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	325		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	325		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094333	JP-3 (2-4)	Solid	11/04/2009 10:40	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 13:30	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	325		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	325		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	325		ug/Kg
86-74-8	Carbazole	ND	325		ug/Kg
218-01-9	Chrysene	ND	325		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	325		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	325		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	325		ug/Kg
132-64-9	Dibenzofuran	ND	325		ug/Kg
84-66-2	Diethyl phthalate	ND	325		ug/Kg
131-11-3	Dimethyl phthalate	ND	325		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	325		ug/Kg
206-44-0	Fluoranthene	ND	325		ug/Kg
86-73-7	Fluorene	ND	325		ug/Kg
118-74-1	Hexachlorobenzene	ND	325		ug/Kg
87-68-3	Hexachlorobutadiene	ND	325		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	325		ug/Kg
67-72-1	Hexachloroethane	ND	325		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	325		ug/Kg
78-59-1	Isophorone	ND	325		ug/Kg
91-20-3	Naphthalene	ND	325		ug/Kg
100-01-6	4-Nitroaniline	ND	1620		ug/Kg
98-95-3	Nitrobenzene	ND	325		ug/Kg
100-02-7	4-Nitrophenol	ND	1620		ug/Kg
87-86-5	Pentachlorophenol	ND	1620		ug/Kg
85-01-8	Phenanthrene	ND	325		ug/Kg
108-95-2	Phenol	ND	325		ug/Kg
129-00-0	Pyrene	ND	325		ug/Kg
110-86-1	Pyridine	ND	325		ug/Kg
1319-77-3MP	m,p-Cresol	ND	325		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	325		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	325		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	325		ug/Kg
95-48-7	o-Cresol	ND	325		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1330	ug/Kg	81	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1320	ug/Kg	81	47 - 127
1718-51-0	Terphenyl-d14	1640	1510	ug/Kg	92	38 - 167
4165-62-2	Phenol-d5	3280	2590	ug/Kg	79	43 - 123
367-12-4	2-Fluorophenol	3280	2410	ug/Kg	74	51 - 119
118-79-6	2,4,6-Tribromophenol	3280	2310	ug/Kg	70	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094333	JP-3 (2-4)	Solid	11/04/2009 10:40	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:09	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.042	0.012		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 15:07	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	2.58	1.60		mg/kg
7440-39-3	Barium	118	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	2.09	0.40		mg/kg
7439-92-1	Lead	14.4	0.60		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094334	JP-3 (4-6)	Solid	11/04/2009 11:09	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/15/2009 23:16	AGC	421955

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	26		ug/Kg
100-41-4	Ethylbenzene	ND	260		ug/Kg
108-88-3	Toluene	ND	260		ug/Kg
1330-20-7	Xylene (total)	ND	520		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2610	2590	ug/Kg	99	62 - 127
1868-53-7	Dibromofluoromethane	2610	2610	ug/Kg	100	65 - 130
2037-26-5	Toluene d8	2610	2730	ug/Kg	105	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2610	2530	ug/Kg	97	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 13:46	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094334	JP-3 (4-6)	Solid	11/04/2009 11:09	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 13:46	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1040	ug/Kg	63	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1030	ug/Kg	62	47 - 127
1718-51-0	Terphenyl-d14	1660	1070	ug/Kg	65	38 - 167
4165-62-2	Phenol-d5	3310	1940	ug/Kg	59	43 - 123
367-12-4	2-Fluorophenol	3310	1860	ug/Kg	56	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	1700	ug/Kg	51	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094334	JP-3 (4-6)	Solid	11/04/2009 11:09	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:14	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.065	0.012		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 15:13	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	2.89	1.60		mg/kg
7440-39-3	Barium	94.8	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	3.26	0.40		mg/kg
7439-92-1	Lead	10.2	0.60		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094335	JP-4 (2-4)	Solid	11/04/2009 12:55	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 17:37	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	46		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	460		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2320	2360	ug/Kg	102	62 - 127
1868-53-7	Dibromofluoromethane	2320	2500	ug/Kg	108	65 - 130
2037-26-5	Toluene d8	2320	2130	ug/Kg	92	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2320	2390	ug/Kg	103	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:01	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	329		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	329		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	329		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	329		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	329		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	329		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	329		ug/Kg
91-58-7	2-Chloronaphthalene	ND	329		ug/Kg
95-57-8	2-Chlorophenol	ND	329		ug/Kg
91-57-6	2-Methylnaphthalene	ND	329		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	329		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	658		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	329		ug/Kg
106-47-8	4-Chloroaniline	ND	329		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	329		ug/Kg
83-32-9	Acenaphthene	ND	329		ug/Kg
208-96-8	Acenaphthylene	ND	329		ug/Kg
62-53-3	Aniline	ND	64.8		ug/Kg
120-12-7	Anthracene	ND	329		ug/Kg
56-55-3	Benzo(a)anthracene	ND	329		ug/Kg
50-32-8	Benzo(a)pyrene	ND	329		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	329		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	329		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	329		ug/Kg
100-51-6	Benzyl alcohol	ND	329		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	329		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	329		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	329		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094335	JP-4 (2-4)	Solid	11/04/2009 12:55	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:01	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	329		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	329		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	329		ug/Kg
86-74-8	Carbazole	ND	329		ug/Kg
218-01-9	Chrysene	ND	329		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	329		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	329		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	329		ug/Kg
132-64-9	Dibenzofuran	ND	329		ug/Kg
84-66-2	Diethyl phthalate	ND	329		ug/Kg
131-11-3	Dimethyl phthalate	ND	329		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	329		ug/Kg
206-44-0	Fluoranthene	ND	329		ug/Kg
86-73-7	Fluorene	ND	329		ug/Kg
118-74-1	Hexachlorobenzene	ND	329		ug/Kg
87-68-3	Hexachlorobutadiene	ND	329		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	329		ug/Kg
67-72-1	Hexachloroethane	ND	329		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	329		ug/Kg
78-59-1	Isophorone	ND	329		ug/Kg
91-20-3	Naphthalene	ND	329		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	329		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	329		ug/Kg
108-95-2	Phenol	ND	329		ug/Kg
129-00-0	Pyrene	ND	329		ug/Kg
110-86-1	Pyridine	ND	329		ug/Kg
1319-77-3MP	m,p-Cresol	ND	329		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	329		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	329		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	329		ug/Kg
95-48-7	o-Cresol	ND	329		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1370	ug/Kg	82	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1350	ug/Kg	81	47 - 127
1718-51-0	Terphenyl-d14	1660	1650	ug/Kg	99	38 - 167
4165-62-2	Phenol-d5	3320	2610	ug/Kg	79	43 - 123
367-12-4	2-Fluorophenol	3320	2470	ug/Kg	74	51 - 119
118-79-6	2,4,6-Tribromophenol	3320	2410	ug/Kg	73	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094335	JP-4 (2-4)	Solid	11/04/2009 12:55	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:15	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	**0.051**	**0.012**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 15:20	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	**6.16**	**1.60**		mg/kg
7440-39-3	Barium	**95.6**	**0.40**		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	ND	0.40		mg/kg
7439-92-1	Lead	**9.51**	**0.60**		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094336	JP-4 (4-6)	Solid	11/04/2009 13:33	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/15/2009 23:40	AGC	421955

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	27		ug/Kg
100-41-4	Ethylbenzene	ND	270		ug/Kg
108-88-3	Toluene	ND	270		ug/Kg
1330-20-7	Xylene (total)	ND	540		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2680	2660	ug/Kg	99	62 - 127
1868-53-7	Dibromofluoromethane	2680	2770	ug/Kg	103	65 - 130
2037-26-5	Toluene d8	2680	2730	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2680	2540	ug/Kg	95	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:17	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	325		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	325		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	325		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	325		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	325		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1620		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	325		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	325		ug/Kg
91-58-7	2-Chloronaphthalene	ND	325		ug/Kg
95-57-8	2-Chlorophenol	ND	325		ug/Kg
91-57-6	2-Methylnaphthalene	ND	325		ug/Kg
88-74-4	2-Nitroaniline	ND	1620		ug/Kg
88-75-5	2-Nitrophenol	ND	325		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	649		ug/Kg
99-09-2	3-Nitroaniline	ND	1620		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1620		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	325		ug/Kg
106-47-8	4-Chloroaniline	ND	325		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	325		ug/Kg
83-32-9	Acenaphthene	ND	325		ug/Kg
208-96-8	Acenaphthylene	ND	325		ug/Kg
62-53-3	Aniline	ND	63.9		ug/Kg
120-12-7	Anthracene	ND	325		ug/Kg
56-55-3	Benzo(a)anthracene	ND	325		ug/Kg
50-32-8	Benzo(a)pyrene	ND	325		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	325		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	325		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	325		ug/Kg
100-51-6	Benzyl alcohol	ND	325		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	325		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	325		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	325		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094336	JP-4 (4-6)	Solid	11/04/2009 13:33	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:17	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	325		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	325		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	325		ug/Kg
86-74-8	Carbazole	ND	325		ug/Kg
218-01-9	Chrysene	ND	325		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	325		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	325		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	325		ug/Kg
132-64-9	Dibenzofuran	ND	325		ug/Kg
84-66-2	Diethyl phthalate	ND	325		ug/Kg
131-11-3	Dimethyl phthalate	ND	325		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	325		ug/Kg
206-44-0	Fluoranthene	ND	325		ug/Kg
86-73-7	Fluorene	ND	325		ug/Kg
118-74-1	Hexachlorobenzene	ND	325		ug/Kg
87-68-3	Hexachlorobutadiene	ND	325		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	325		ug/Kg
67-72-1	Hexachloroethane	ND	325		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	325		ug/Kg
78-59-1	Isophorone	ND	325		ug/Kg
91-20-3	Naphthalene	ND	325		ug/Kg
100-01-6	4-Nitroaniline	ND	1620		ug/Kg
98-95-3	Nitrobenzene	ND	325		ug/Kg
100-02-7	4-Nitrophenol	ND	1620		ug/Kg
87-86-5	Pentachlorophenol	ND	1620		ug/Kg
85-01-8	Phenanthrene	ND	325		ug/Kg
108-95-2	Phenol	ND	325		ug/Kg
129-00-0	Pyrene	ND	325		ug/Kg
110-86-1	Pyridine	ND	325		ug/Kg
1319-77-3MP	m,p-Cresol	ND	325		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	325		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	325		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	325		ug/Kg
95-48-7	o-Cresol	ND	325		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1330	ug/Kg	81	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1340	ug/Kg	82	47 - 127
1718-51-0	Terphenyl-d14	1640	1460	ug/Kg	89	38 - 167
4165-62-2	Phenol-d5	3280	2440	ug/Kg	74	43 - 123
367-12-4	2-Fluorophenol	3280	2400	ug/Kg	73	51 - 119
118-79-6	2,4,6-Tribromophenol	3280	2200	ug/Kg	67	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094336	JP-4 (4-6)	Solid	11/04/2009 13:33	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:17	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.057**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 15:26	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.59		mg/kg
7440-39-3	**Barium**	**87.4**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**3.57**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**6.49**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094337	JP-5 (0-2)	Solid	11/04/2009 14:36	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 18:27	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	50		ug/Kg
100-41-4	Ethylbenzene	ND	250		ug/Kg
108-88-3	Toluene	ND	250		ug/Kg
1330-20-7	Xylene (total)	ND	500		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2570	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	2500	2660	ug/Kg	106	65 - 130
2037-26-5	Toluene d8	2500	2300	ug/Kg	92	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2500	2590	ug/Kg	104	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:32	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	Benzo(a)anthracene	ND	328		ug/Kg
50-32-8	Benzo(a)pyrene	ND	328		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	328		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	328		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	328		ug/Kg
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094337	JP-5 (0-2)	Solid	11/04/2009 14:36	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:32	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	Chrysene	ND	328		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	328		ug/Kg
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	Fluoranthene	ND	328		ug/Kg
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	328		ug/Kg
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	Phenanthrene	ND	328		ug/Kg
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	Pyrene	ND	328		ug/Kg
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1070	ug/Kg	65	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1040	ug/Kg	63	47 - 127
1718-51-0	Terphenyl-d14	1660	1290	ug/Kg	78	38 - 167
4165-62-2	Phenol-d5	3310	2060	ug/Kg	62	43 - 123
367-12-4	2-Fluorophenol	3310	1950	ug/Kg	59	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	1800	ug/Kg	54	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094337	JP-5 (0-2)	Solid	11/04/2009 14:36	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:18	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.067	0.012		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 15:33	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.59		mg/kg
7440-39-3	**Barium**	44.2	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	2.87	0.40		mg/kg
7439-92-1	**Lead**	7.67	0.60		mg/kg
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094338	JP-5 (4-6)	Solid	11/04/2009 14:40	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 18:54	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	46		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	460		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2280	2500	ug/Kg	110	62 - 127
1868-53-7	Dibromofluoromethane	2280	2400	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	2280	2230	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2280	2390	ug/Kg	105	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:47	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094338	JP-5 (4-6)	Solid	11/04/2009 14:40	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 14:47	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1300	ug/Kg	78	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1310	ug/Kg	79	47 - 127
1718-51-0	Terphenyl-d14	1670	1550	ug/Kg	93	38 - 167
4165-62-2	Phenol-d5	3330	2300	ug/Kg	69	43 - 123
367-12-4	2-Fluorophenol	3330	2290	ug/Kg	69	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	2450	ug/Kg	74	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094338	JP-5 (4-6)	Solid	11/04/2009 14:40	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:20	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.071	0.012		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 17:11	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	5.45	1.60		mg/kg
7440-39-3	Barium	149	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	2.49	0.40		mg/kg
7439-92-1	Lead	9.13	0.60		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094339	JP-6 (2-4)	Solid	11/04/2009 15:21	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 19:17	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	250		ug/Kg
108-88-3	Toluene	ND	250		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2450	2520	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	2450	2610	ug/Kg	106	65 - 130
2037-26-5	Toluene d8	2450	2240	ug/Kg	91	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2450	2530	ug/Kg	103	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:03	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094339	JP-6 (2-4)	Solid	11/04/2009 15:21	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:03	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1420	ug/Kg	85	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1360	ug/Kg	82	47 - 127
1718-51-0	Terphenyl-d14	1670	1650	ug/Kg	99	38 - 167
4165-62-2	Phenol-d5	3330	2560	ug/Kg	77	43 - 123
367-12-4	2-Fluorophenol	3330	2510	ug/Kg	75	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	2310	ug/Kg	69	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094339	JP-6 (2-4)	Solid	11/04/2009 15:21	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:22	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	**0.065**	**0.012**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 17:17	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.59		mg/kg
7440-39-3	**Barium**	**94.3**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**3.44**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**6.60**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094340	JP-6 (4-6)	Solid	11/04/2009 15:29	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 19:43	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	250		ug/Kg
108-88-3	Toluene	ND	250		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2470	2670	ug/Kg	108	62 - 127
1868-53-7	Dibromofluoromethane	2470	2690	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2470	2300	ug/Kg	93	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2470	2650	ug/Kg	107	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:18	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	326		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	326		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	326		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	326		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	326		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	326		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	326		ug/Kg
91-58-7	2-Chloronaphthalene	ND	326		ug/Kg
95-57-8	2-Chlorophenol	ND	326		ug/Kg
91-57-6	2-Methylnaphthalene	ND	326		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	326		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	651		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	326		ug/Kg
106-47-8	4-Chloroaniline	ND	326		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	326		ug/Kg
83-32-9	Acenaphthene	ND	326		ug/Kg
208-96-8	Acenaphthylene	ND	326		ug/Kg
62-53-3	Aniline	ND	64.1		ug/Kg
120-12-7	Anthracene	ND	326		ug/Kg
56-55-3	Benzo(a)anthracene	ND	326		ug/Kg
50-32-8	Benzo(a)pyrene	ND	326		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	326		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	326		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	326		ug/Kg
100-51-6	Benzyl alcohol	ND	326		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	326		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	326		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	326		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094340	JP-6 (4-6)	Solid	11/04/2009 15:29	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:18	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	326		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	326		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	326		ug/Kg
86-74-8	Carbazole	ND	326		ug/Kg
218-01-9	Chrysene	ND	326		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	326		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	326		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	326		ug/Kg
132-64-9	Dibenzofuran	ND	326		ug/Kg
84-66-2	Diethyl phthalate	ND	326		ug/Kg
131-11-3	Dimethyl phthalate	ND	326		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	326		ug/Kg
206-44-0	Fluoranthene	ND	326		ug/Kg
86-73-7	Fluorene	ND	326		ug/Kg
118-74-1	Hexachlorobenzene	ND	326		ug/Kg
87-68-3	Hexachlorobutadiene	ND	326		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	326		ug/Kg
67-72-1	Hexachloroethane	ND	326		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	326		ug/Kg
78-59-1	Isophorone	ND	326		ug/Kg
91-20-3	Naphthalene	ND	326		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	326		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	326		ug/Kg
108-95-2	Phenol	ND	326		ug/Kg
129-00-0	Pyrene	ND	326		ug/Kg
110-86-1	Pyridine	ND	326		ug/Kg
1319-77-3MP	m,p-Cresol	ND	326		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	326		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	326		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	326		ug/Kg
95-48-7	o-Cresol	ND	326		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1640	1470	ug/Kg	89	46 - 123
321-60-8	2-Fluorobiphenyl	1640	1460	ug/Kg	89	47 - 127
1718-51-0	Terphenyl-d14	1640	1700	ug/Kg	103	38 - 167
4165-62-2	Phenol-d5	3290	2720	ug/Kg	83	43 - 123
367-12-4	2-Fluorophenol	3290	2710	ug/Kg	82	51 - 119
118-79-6	2,4,6-Tribromophenol	3290	2680	ug/Kg	81	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094340	JP-6 (4-6)	Solid	11/04/2009 15:29	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:23	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	**0.063**	**0.012**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 17:24	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	**2.05**	**1.60**		mg/kg
7440-39-3	Barium	**62.8**	**0.40**		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	**3.59**	**0.40**		mg/kg
7439-92-1	Lead	**9.74**	**0.60**		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094341	JP-14 (0-2)	Solid	11/05/2009 14:45	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 20:07	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	44		ug/Kg
100-41-4	Ethylbenzene	ND	220		ug/Kg
108-88-3	Toluene	ND	220		ug/Kg
1330-20-7	Xylene (total)	ND	440		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2220	2320	ug/Kg	104	62 - 127
1868-53-7	Dibromofluoromethane	2220	2260	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	2220	2120	ug/Kg	95	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2220	2250	ug/Kg	101	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:34	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	329		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	329		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	329		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	329		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	329		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	329		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	329		ug/Kg
91-58-7	2-Chloronaphthalene	ND	329		ug/Kg
95-57-8	2-Chlorophenol	ND	329		ug/Kg
91-57-6	2-Methylnaphthalene	ND	329		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	329		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	658		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	329		ug/Kg
106-47-8	4-Chloroaniline	ND	329		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	329		ug/Kg
83-32-9	Acenaphthene	ND	329		ug/Kg
208-96-8	Acenaphthylene	ND	329		ug/Kg
62-53-3	Aniline	ND	64.8		ug/Kg
120-12-7	Anthracene	ND	329		ug/Kg
56-55-3	Benzo(a)anthracene	ND	329		ug/Kg
50-32-8	Benzo(a)pyrene	ND	329		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	329		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	329		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	329		ug/Kg
100-51-6	Benzyl alcohol	ND	329		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	329		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	329		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	329		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094341	JP-14 (0-2)	Solid	11/05/2009 14:45	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:34	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	329		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	329		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	329		ug/Kg
86-74-8	Carbazole	ND	329		ug/Kg
218-01-9	Chrysene	ND	329		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	329		ug/Kg
117-84-0	**Di-n-octyl phthalate**	**418**	**329**		**ug/Kg**
53-70-3	Dibenz(a,h)anthracene	ND	329		ug/Kg
132-64-9	Dibenzofuran	ND	329		ug/Kg
84-66-2	Diethyl phthalate	ND	329		ug/Kg
131-11-3	Dimethyl phthalate	ND	329		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	329		ug/Kg
206-44-0	Fluoranthene	ND	329		ug/Kg
86-73-7	Fluorene	ND	329		ug/Kg
118-74-1	Hexachlorobenzene	ND	329		ug/Kg
87-68-3	Hexachlorobutadiene	ND	329		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	329		ug/Kg
67-72-1	Hexachloroethane	ND	329		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	329		ug/Kg
78-59-1	Isophorone	ND	329		ug/Kg
91-20-3	Naphthalene	ND	329		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	329		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	**Phenanthrene**	**385**	**329**		**ug/Kg**
108-95-2	Phenol	ND	329		ug/Kg
129-00-0	Pyrene	ND	329		ug/Kg
110-86-1	Pyridine	ND	329		ug/Kg
1319-77-3MP	m,p-Cresol	ND	329		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	329		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	329		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	329		ug/Kg
95-48-7	o-Cresol	ND	329		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1590	ug/Kg	96	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1680	ug/Kg	101	47 - 127
1718-51-0	Terphenyl-d14	1660	1360	ug/Kg	82	38 - 167
4165-62-2	Phenol-d5	3320	2930	ug/Kg	88	43 - 123
367-12-4	2-Fluorophenol	3320	2840	ug/Kg	85	51 - 119
118-79-6	2,4,6-Tribromophenol	3320	2980	ug/Kg	90	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094341	JP-14 (0-2)	Solid	11/05/2009 14:45	11/09/2009 16:04

SW-846 8082

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421643	3550B	1	11/12/2009 12:30	TLS	421785

CAS#	Parameter	Result	RDL	REG LIMIT	Units
12674-11-2	Aroclor-1016	ND	39.9		ug/Kg
11104-28-2	Aroclor-1221	ND	39.9		ug/Kg
11141-16-5	Aroclor-1232	ND	39.9		ug/Kg
53469-21-9	Aroclor-1242	ND	39.9		ug/Kg
12672-29-6	Aroclor-1248	ND	39.9		ug/Kg
11097-69-1	Aroclor-1254	ND	39.9		ug/Kg
11096-82-5	Aroclor-1260	ND	39.9		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
2051-24-3	Decachlorobiphenyl	16.6	11.9	ug/Kg	72	38 - 137

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:25	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	0.068	0.011		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 17:31	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	2.07	1.60		mg/kg
7440-39-3	**Barium**	85.8	0.40		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	2.56	0.40		mg/kg
7439-92-1	**Lead**	11.8	0.60		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094342	JP-14 (5-7)	Solid	11/05/2009 14:55	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 20:33	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	47		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	470		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2330	2510	ug/Kg	108	62 - 127
1868-53-7	Dibromofluoromethane	2330	2480	ug/Kg	107	65 - 130
2037-26-5	Toluene d8	2330	2170	ug/Kg	93	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2330	2450	ug/Kg	105	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:49	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094342	JP-14 (5-7)	Solid	11/05/2009 14:55	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 15:49	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1500	ug/Kg	90	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1560	ug/Kg	94	47 - 127
1718-51-0	Terphenyl-d14	1670	1550	ug/Kg	93	38 - 167
4165-62-2	Phenol-d5	3330	2830	ug/Kg	85	43 - 123
367-12-4	2-Fluorophenol	3330	2630	ug/Kg	79	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	2280	ug/Kg	68	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094342	JP-14 (5-7)	Solid	11/05/2009 14:55	11/09/2009 16:04

SW-846 8082

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421643	3550B	1	11/12/2009 12:48	TLS	421785

CAS#	Parameter	Result	RDL	REG LIMIT	Units
12674-11-2	Aroclor-1016	ND	40.0		ug/Kg
11104-28-2	Aroclor-1221	ND	40.0		ug/Kg
11141-16-5	Aroclor-1232	ND	40.0		ug/Kg
53469-21-9	Aroclor-1242	ND	40.0		ug/Kg
12672-29-6	Aroclor-1248	ND	40.0		ug/Kg
11097-69-1	Aroclor-1254	ND	40.0		ug/Kg
11096-82-5	Aroclor-1260	ND	40.0		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
2051-24-3	Decachlorobiphenyl	16.7	10	ug/Kg	60	38 - 137

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 16:53	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.073**	**0.012**		**mg/kg**

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/11/2009 17:37	CLB	421760

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**2.33**	**1.59**		**mg/kg**
7440-39-3	**Barium**	**161**	**0.40**		**mg/kg**
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**1.69**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**11.3**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094343	JP-15 (2-4)	Solid	11/05/2009 15:29	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 20:56	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	46		ug/Kg
100-41-4	Ethylbenzene	ND	230		ug/Kg
108-88-3	Toluene	ND	230		ug/Kg
1330-20-7	Xylene (total)	ND	460		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2280	2430	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2280	2420	ug/Kg	106	65 - 130
2037-26-5	Toluene d8	2280	2150	ug/Kg	94	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2280	2400	ug/Kg	105	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 16:04	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094343	JP-15 (2-4)	Solid	11/05/2009 15:29	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 16:04	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1500	ug/Kg	90	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1460	ug/Kg	88	47 - 127
1718-51-0	Terphenyl-d14	1670	1690	ug/Kg	101	38 - 167
4165-62-2	Phenol-d5	3330	2780	ug/Kg	83	43 - 123
367-12-4	2-Fluorophenol	3330	2670	ug/Kg	80	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	2310	ug/Kg	69	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094343	JP-15 (2-4)	Solid	11/05/2009 15:29	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:28	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	**0.055**	**0.012**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/12/2009 13:34	CLB	421852

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	**3.05**	**1.60**		mg/kg
7440-39-3	Barium	**151**	**0.40**		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	Chromium	**0.99**	**0.40**		mg/kg
7439-92-1	Lead	**8.80**	**0.60**		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094344	JP-15 (5-7)	Solid	11/05/2009 15:35	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 21:22	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	49		ug/Kg
100-41-4	Ethylbenzene	ND	240		ug/Kg
108-88-3	Toluene	ND	240		ug/Kg
1330-20-7	Xylene (total)	ND	490		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2430	2560	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	2430	2550	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	2430	2270	ug/Kg	94	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2430	2410	ug/Kg	99	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 16:19	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	330		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
62-53-3	Aniline	ND	65.0		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
100-51-6	Benzyl alcohol	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094344	JP-15 (5-7)	Solid	11/05/2009 15:35	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 16:19	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg
218-01-9	Chrysene	ND	330		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330		ug/Kg
132-64-9	Dibenzofuran	ND	330		ug/Kg
84-66-2	Diethyl phthalate	ND	330		ug/Kg
131-11-3	Dimethyl phthalate	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
206-44-0	Fluoranthene	ND	330		ug/Kg
86-73-7	Fluorene	ND	330		ug/Kg
118-74-1	Hexachlorobenzene	ND	330		ug/Kg
87-68-3	Hexachlorobutadiene	ND	330		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330		ug/Kg
67-72-1	Hexachloroethane	ND	330		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330		ug/Kg
78-59-1	Isophorone	ND	330		ug/Kg
91-20-3	Naphthalene	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
98-95-3	Nitrobenzene	ND	330		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
87-86-5	Pentachlorophenol	ND	1650		ug/Kg
85-01-8	Phenanthrene	ND	330		ug/Kg
108-95-2	Phenol	ND	330		ug/Kg
129-00-0	Pyrene	ND	330		ug/Kg
110-86-1	Pyridine	ND	330		ug/Kg
1319-77-3MP	m,p-Cresol	ND	330		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	330		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330		ug/Kg
95-48-7	o-Cresol	ND	330		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1670	1300	ug/Kg	78	46 - 123
321-60-8	2-Fluorobiphenyl	1670	1270	ug/Kg	76	47 - 127
1718-51-0	Terphenyl-d14	1670	1390	ug/Kg	83	38 - 167
4165-62-2	Phenol-d5	3330	2420	ug/Kg	73	43 - 123
367-12-4	2-Fluorophenol	3330	2250	ug/Kg	68	51 - 119
118-79-6	2,4,6-Tribromophenol	3330	1730	ug/Kg	52	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094344	JP-15 (5-7)	Solid	11/05/2009 15:35	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:33	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.041**	**0.011**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/12/2009 13:41	CLB	421852

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**5.62**	**1.60**		mg/kg
7440-39-3	**Barium**	**111**	**0.40**		mg/kg
7440-43-9	Cadmium	ND	0.20		mg/kg
7440-47-3	**Chromium**	**0.52**	**0.40**		mg/kg
7439-92-1	**Lead**	**7.11**	**0.60**		mg/kg
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094345	SED-1	Solid	11/05/2009 16:30	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/16/2009 00:05	AGC	421955

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	31		ug/Kg
100-41-4	Ethylbenzene	ND	310		ug/Kg
108-88-3	Toluene	ND	310		ug/Kg
1330-20-7	Xylene (total)	ND	620		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3090	2870	ug/Kg	93	62 - 127
1868-53-7	Dibromofluoromethane	3090	2880	ug/Kg	93	65 - 130
2037-26-5	Toluene d8	3090	3200	ug/Kg	103	71 - 132
17060-07-0	1,2-Dichloroethane-d4	3090	3180	ug/Kg	103	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 16:34	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	327		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	327		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	327		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	327		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	327		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1630		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	327		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	327		ug/Kg
91-58-7	2-Chloronaphthalene	ND	327		ug/Kg
95-57-8	2-Chlorophenol	ND	327		ug/Kg
91-57-6	2-Methylnaphthalene	ND	327		ug/Kg
88-74-4	2-Nitroaniline	ND	1630		ug/Kg
88-75-5	2-Nitrophenol	ND	327		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	653		ug/Kg
99-09-2	3-Nitroaniline	ND	1630		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1630		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	327		ug/Kg
106-47-8	4-Chloroaniline	ND	327		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	327		ug/Kg
83-32-9	Acenaphthene	ND	327		ug/Kg
208-96-8	Acenaphthylene	ND	327		ug/Kg
62-53-3	Aniline	ND	64.4		ug/Kg
120-12-7	Anthracene	ND	327		ug/Kg
56-55-3	Benzo(a)anthracene	ND	327		ug/Kg
50-32-8	Benzo(a)pyrene	ND	327		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	327		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	327		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	327		ug/Kg
100-51-6	Benzyl alcohol	ND	327		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	327		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	327		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	327		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094345	SED-1	Solid	11/05/2009 16:30	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/16/2009 16:34	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	327		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	327		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	327		ug/Kg
86-74-8	Carbazole	ND	327		ug/Kg
218-01-9	Chrysene	ND	327		ug/Kg
84-74-2	Di-n-butyl phthalate	ND	327		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	327		ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	327		ug/Kg
132-64-9	Dibenzofuran	ND	327		ug/Kg
84-66-2	Diethyl phthalate	ND	327		ug/Kg
131-11-3	Dimethyl phthalate	ND	327		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	327		ug/Kg
206-44-0	Fluoranthene	ND	327		ug/Kg
86-73-7	Fluorene	ND	327		ug/Kg
118-74-1	Hexachlorobenzene	ND	327		ug/Kg
87-68-3	Hexachlorobutadiene	ND	327		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	327		ug/Kg
67-72-1	Hexachloroethane	ND	327		ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	327		ug/Kg
78-59-1	Isophorone	ND	327		ug/Kg
91-20-3	Naphthalene	ND	327		ug/Kg
100-01-6	4-Nitroaniline	ND	1630		ug/Kg
98-95-3	Nitrobenzene	ND	327		ug/Kg
100-02-7	4-Nitrophenol	ND	1630		ug/Kg
87-86-5	Pentachlorophenol	ND	1630		ug/Kg
85-01-8	Phenanthrene	ND	327		ug/Kg
108-95-2	Phenol	ND	327		ug/Kg
129-00-0	Pyrene	ND	327		ug/Kg
110-86-1	Pyridine	ND	327		ug/Kg
1319-77-3MP	m,p-Cresol	ND	327		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	327		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	327		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	327		ug/Kg
95-48-7	o-Cresol	ND	327		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1650	1420	ug/Kg	86	46 - 123
321-60-8	2-Fluorobiphenyl	1650	1460	ug/Kg	88	47 - 127
1718-51-0	Terphenyl-d14	1650	1560	ug/Kg	95	38 - 167
4165-62-2	Phenol-d5	3300	2400	ug/Kg	73	43 - 123
367-12-4	2-Fluorophenol	3300	2350	ug/Kg	71	51 - 119
118-79-6	2,4,6-Tribromophenol	3300	2230	ug/Kg	68	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094345	SED-1	Solid	11/05/2009 16:30	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:35	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	0.054	0.012		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/12/2009 13:47	CLB	421852

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	1.60		mg/kg
7440-39-3	**Barium**	**68.0**	**0.40**		**mg/kg**
7440-43-9	**Cadmium**	**0.37**	**0.20**		**mg/kg**
7440-47-3	**Chromium**	**2.39**	**0.40**		**mg/kg**
7439-92-1	**Lead**	**8.35**	**0.60**		**mg/kg**
7782-49-2	Selenium	ND	1.60		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094346	SED-2	Solid	11/05/2009 16:45	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	11/14/2009 21:46	CLH	421943

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	44		ug/Kg
100-41-4	Ethylbenzene	ND	220		ug/Kg
108-88-3	Toluene	ND	220		ug/Kg
1330-20-7	Xylene (total)	ND	440		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2200	2360	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2200	2270	ug/Kg	103	65 - 130
2037-26-5	Toluene d8	2200	2120	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2200	2240	ug/Kg	102	62 - 125

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/17/2009 12:57	KCB	422034

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	328		ug/Kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	328		ug/Kg
95-95-4	2,4,5-Trichlorophenol	ND	328		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	328		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	328		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1640		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	328		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	328		ug/Kg
91-58-7	2-Chloronaphthalene	ND	328		ug/Kg
95-57-8	2-Chlorophenol	ND	328		ug/Kg
91-57-6	2-Methylnaphthalene	ND	328		ug/Kg
88-74-4	2-Nitroaniline	ND	1640		ug/Kg
88-75-5	2-Nitrophenol	ND	328		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	656		ug/Kg
99-09-2	3-Nitroaniline	ND	1640		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1640		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	328		ug/Kg
106-47-8	4-Chloroaniline	ND	328		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	328		ug/Kg
83-32-9	Acenaphthene	ND	328		ug/Kg
208-96-8	Acenaphthylene	ND	328		ug/Kg
62-53-3	Aniline	ND	64.6		ug/Kg
120-12-7	Anthracene	ND	328		ug/Kg
56-55-3	**Benzo(a)anthracene**	**1040**	**328**		**ug/Kg**
50-32-8	**Benzo(a)pyrene**	**1050**	**328**		**ug/Kg**
205-99-2	**Benzo(b)fluoranthene**	**1990**	**328**		**ug/Kg**
191-24-2	**Benzo(g,h,i)perylene**	**1110**	**328**		**ug/Kg**
207-08-9	**Benzo(k)fluoranthene**	**999**	**328**		**ug/Kg**
100-51-6	Benzyl alcohol	ND	328		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	328		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	328		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	328		ug/Kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094346	SED-2	Solid	11/05/2009 16:45	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/13/2009 06:00	421731	3550B	1	11/17/2009 12:57	KCB	422034

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	328		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	328		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	328		ug/Kg
86-74-8	Carbazole	ND	328		ug/Kg
218-01-9	**Chrysene**	**1330**	**328**		**ug/Kg**
84-74-2	Di-n-butyl phthalate	ND	328		ug/Kg
117-84-0	Di-n-octyl phthalate	ND	328		ug/Kg
53-70-3	**Dibenz(a,h)anthracene**	**453**	**328**		**ug/Kg**
132-64-9	Dibenzofuran	ND	328		ug/Kg
84-66-2	Diethyl phthalate	ND	328		ug/Kg
131-11-3	Dimethyl phthalate	ND	328		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	328		ug/Kg
206-44-0	**Fluoranthene**	**1170**	**328**		**ug/Kg**
86-73-7	Fluorene	ND	328		ug/Kg
118-74-1	Hexachlorobenzene	ND	328		ug/Kg
87-68-3	Hexachlorobutadiene	ND	328		ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	328		ug/Kg
67-72-1	Hexachloroethane	ND	328		ug/Kg
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1410**	**328**		**ug/Kg**
78-59-1	Isophorone	ND	328		ug/Kg
91-20-3	Naphthalene	ND	328		ug/Kg
100-01-6	4-Nitroaniline	ND	1640		ug/Kg
98-95-3	Nitrobenzene	ND	328		ug/Kg
100-02-7	4-Nitrophenol	ND	1640		ug/Kg
87-86-5	Pentachlorophenol	ND	1640		ug/Kg
85-01-8	**Phenanthrene**	**490**	**328**		**ug/Kg**
108-95-2	Phenol	ND	328		ug/Kg
129-00-0	**Pyrene**	**1310**	**328**		**ug/Kg**
110-86-1	Pyridine	ND	328		ug/Kg
1319-77-3MP	m,p-Cresol	ND	328		ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	328		ug/Kg
62-75-9	n-Nitrosodimethylamine	ND	328		ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	328		ug/Kg
95-48-7	o-Cresol	ND	328		ug/Kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1660	1490	ug/Kg	90	46 - 123
321-60-8	2-Fluorobiphenyl	1660	1490	ug/Kg	90	47 - 127
1718-51-0	Terphenyl-d14	1660	1470	ug/Kg	89	38 - 167
4165-62-2	Phenol-d5	3310	2390	ug/Kg	72	43 - 123
367-12-4	2-Fluorophenol	3310	2430	ug/Kg	73	51 - 119
118-79-6	2,4,6-Tribromophenol	3310	2030	ug/Kg	61	44 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094346	SED-2	Solid	11/05/2009 16:45	11/09/2009 16:04

SW-846 7471B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421671	SW-846 7471B	1	11/11/2009 15:36	DJH	421755

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	**Mercury**	**0.073**	**0.012**		mg/kg

SW-846 6010B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 14:55	421669	SW-846 3050B	1	11/12/2009 13:54	CLB	421852

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	**Arsenic**	**1.79**	**1.59**		mg/kg
7440-39-3	**Barium**	**94.1**	**0.40**		mg/kg
7440-43-9	**Cadmium**	**0.23**	**0.20**		mg/kg
7440-47-3	**Chromium**	**5.84**	**0.40**		mg/kg
7439-92-1	**Lead**	**97.2**	**0.60**		mg/kg
7782-49-2	Selenium	ND	1.59		mg/kg
7440-22-4	Silver	ND	0.40		mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094347	SW-1	Water	11/05/2009 15:55	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 05:40	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.3	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	54.2	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	52.9	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.4	ug/L	105	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:39	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.2		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.2		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.2		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.04		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.04		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.08		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.04		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.04		ug/L
91-58-7	2-Chloronaphthalene	ND	10.2		ug/L
95-57-8	2-Chlorophenol	ND	10.2		ug/L
91-57-6	2-Methylnaphthalene	ND	0.204		ug/L
88-74-4	2-Nitroaniline	ND	10.2		ug/L
88-75-5	2-Nitrophenol	ND	10.2		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.2		ug/L
99-09-2	3-Nitroaniline	ND	10.2		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.2		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.2		ug/L
106-47-8	4-Chloroaniline	ND	10.2		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.2		ug/L
83-32-9	Acenaphthene	ND	10.2		ug/L
208-96-8	Acenaphthylene	ND	10.2		ug/L
62-53-3	Aniline	ND	10.2		ug/L
120-12-7	Anthracene	ND	10.2		ug/L
56-55-3	Benzo(a)anthracene	ND	1.02		ug/L
50-32-8	Benzo(a)pyrene	ND	0.204		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.02		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.2		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.02		ug/L
100-51-6	Benzyl alcohol	ND	10.2		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.2		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.04		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.04		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094347	SW-1	Water	11/05/2009 15:55	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:39	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	**Bis(2-Ethylhexyl)phthalate**	**3.56**	**2.04**		**ug/L**
101-55-3	4-Bromophenyl phenyl ether	ND	10.2		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.2		ug/L
86-74-8	Carbazole	ND	10.2		ug/L
218-01-9	Chrysene	ND	1.02		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.2		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.2		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.02		ug/L
132-64-9	Dibenzofuran	ND	10.2		ug/L
84-66-2	Diethyl phthalate	ND	10.2		ug/L
131-11-3	Dimethyl phthalate	ND	10.2		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.2		ug/L
206-44-0	Fluoranthene	ND	10.2		ug/L
86-73-7	Fluorene	ND	10.2		ug/L
118-74-1	Hexachlorobenzene	ND	0.408		ug/L
87-68-3	Hexachlorobutadiene	ND	0.408		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.2		ug/L
67-72-1	Hexachloroethane	ND	2.04		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.02		ug/L
78-59-1	Isophorone	ND	10.2		ug/L
91-20-3	Naphthalene	ND	2.04		ug/L
100-01-6	4-Nitroaniline	ND	10.2		ug/L
98-95-3	Nitrobenzene	ND	1.02		ug/L
100-02-7	4-Nitrophenol	ND	10.2		ug/L
87-86-5	Pentachlorophenol	ND	10.2		ug/L
85-01-8	Phenanthrene	ND	10.2		ug/L
108-95-2	Phenol	ND	10.2		ug/L
129-00-0	Pyrene	ND	10.2		ug/L
110-86-1	Pyridine	ND	10.2		ug/L
1319-77-3MP	m,p-Cresol	ND	10.2		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.04		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.2		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.2		ug/L
95-48-7	o-Cresol	ND	10.2		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	51	38.5	ug/L	75	52 - 120
321-60-8	2-Fluorobiphenyl	51	38.6	ug/L	76	16 - 128
1718-51-0	Terphenyl-d14	51	40.5	ug/L	79	43 - 138
4165-62-2	Phenol-d5	102	73.8	ug/L	72	10 - 120
367-12-4	2-Fluorophenol	102	67.5	ug/L	66	10 - 120
118-79-6	2,4,6-Tribromophenol	102	66.8	ug/L	65	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094347	SW-1	Water	11/05/2009 15:55	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:42	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 14:47	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	**Barium**	**0.067**	**0.010**		**mg/L**
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094348	SW-2	Water	11/05/2009 16:15	11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 06:02	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.1	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	53.9	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	51.5	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.8	ug/L	106	71 - 127

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:54	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
120-82-1	1,2,4-Trichlorobenzene	ND	10.3		ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.3		ug/L
95-95-4	2,4,5-Trichlorophenol	ND	10.3		ug/L
88-06-2	2,4,6-Trichlorophenol	ND	2.06		ug/L
120-83-2	2,4-Dichlorophenol	ND	2.06		ug/L
51-28-5	2,4-Dinitrophenol	ND	4.12		ug/L
121-14-2	2,4-Dinitrotoluene	ND	2.06		ug/L
606-20-2	2,6-Dinitrotoluene	ND	2.06		ug/L
91-58-7	2-Chloronaphthalene	ND	10.3		ug/L
95-57-8	2-Chlorophenol	ND	10.3		ug/L
91-57-6	2-Methylnaphthalene	ND	0.206		ug/L
88-74-4	2-Nitroaniline	ND	10.3		ug/L
88-75-5	2-Nitrophenol	ND	10.3		ug/L
91-94-1	3,3'-Dichlorobenzidine	ND	10.3		ug/L
99-09-2	3-Nitroaniline	ND	10.3		ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.3		ug/L
59-50-7	4-Chloro-3-methylphenol	ND	10.3		ug/L
106-47-8	4-Chloroaniline	ND	10.3		ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.3		ug/L
83-32-9	Acenaphthene	ND	10.3		ug/L
208-96-8	Acenaphthylene	ND	10.3		ug/L
62-53-3	Aniline	ND	10.3		ug/L
120-12-7	Anthracene	ND	10.3		ug/L
56-55-3	Benzo(a)anthracene	ND	1.03		ug/L
50-32-8	Benzo(a)pyrene	ND	0.206		ug/L
205-99-2	Benzo(b)fluoranthene	ND	1.03		ug/L
191-24-2	Benzo(g,h,i)perylene	ND	10.3		ug/L
207-08-9	Benzo(k)fluoranthene	ND	1.03		ug/L
100-51-6	Benzyl alcohol	ND	10.3		ug/L
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.3		ug/L
111-44-4	Bis(2-Chloroethyl)ether	ND	2.06		ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.06		ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094348	SW-2	Water	11/05/2009 16:15	11/09/2009 16:04

SW-846 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/12/2009 16:00	421822	3510C	1	11/16/2009 19:54	KCB	421966

CAS#	Parameter	Result	RDL	REG LIMIT	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.06		ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	10.3		ug/L
85-68-7	Butyl benzyl phthalate	ND	10.3		ug/L
86-74-8	Carbazole	ND	10.3		ug/L
218-01-9	Chrysene	ND	1.03		ug/L
84-74-2	Di-n-butyl phthalate	ND	10.3		ug/L
117-84-0	Di-n-octyl phthalate	ND	10.3		ug/L
53-70-3	Dibenz(a,h)anthracene	ND	1.03		ug/L
132-64-9	Dibenzofuran	ND	10.3		ug/L
84-66-2	Diethyl phthalate	ND	10.3		ug/L
131-11-3	Dimethyl phthalate	ND	10.3		ug/L
105-67-9	2,4-Dimethylphenol	ND	10.3		ug/L
206-44-0	Fluoranthene	ND	10.3		ug/L
86-73-7	Fluorene	ND	10.3		ug/L
118-74-1	Hexachlorobenzene	ND	0.412		ug/L
87-68-3	Hexachlorobutadiene	ND	0.412		ug/L
77-47-4	Hexachlorocyclopentadiene	ND	10.3		ug/L
67-72-1	Hexachloroethane	ND	2.06		ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.03		ug/L
78-59-1	Isophorone	ND	10.3		ug/L
91-20-3	Naphthalene	ND	2.06		ug/L
100-01-6	4-Nitroaniline	ND	10.3		ug/L
98-95-3	Nitrobenzene	ND	1.03		ug/L
100-02-7	4-Nitrophenol	ND	10.3		ug/L
87-86-5	Pentachlorophenol	ND	10.3		ug/L
85-01-8	Phenanthrene	ND	10.3		ug/L
108-95-2	Phenol	ND	10.3		ug/L
129-00-0	Pyrene	ND	10.3		ug/L
110-86-1	Pyridine	ND	10.3		ug/L
1319-77-3MP	m,p-Cresol	ND	10.3		ug/L
621-64-7	n-Nitrosodi-n-propylamine	ND	2.06		ug/L
62-75-9	n-Nitrosodimethylamine	ND	10.3		ug/L
86-30-6	n-Nitrosodiphenylamine	ND	10.3		ug/L
95-48-7	o-Cresol	ND	10.3		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	51.5	41.9	ug/L	81	52 - 120
321-60-8	2-Fluorobiphenyl	51.5	43.9	ug/L	85	16 - 128
1718-51-0	Terphenyl-d14	51.5	46.9	ug/L	91	43 - 138
4165-62-2	Phenol-d5	103	81.3	ug/L	79	10 - 120
367-12-4	2-Fluorophenol	103	74	ug/L	72	10 - 120
118-79-6	2,4,6-Tribromophenol	103	77.3	ug/L	75	52 - 121

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094348	SW-2	Water	11/05/2009 16:15	11/09/2009 16:04

SW-846 7470A Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421667	SW-846 7470A Dissolved	1	11/12/2009 18:44	CNB	421865

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7439-97-6	Mercury	ND	0.00020		mg/L

SW-846 6010B Dissolved

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/10/2009 12:30	421664	SW-846 3010A Dissolved	1	11/11/2009 14:53	DJH	421763

CAS#	Parameter	Result	RDL	REG LIMIT	Units
7440-38-2	Arsenic	ND	0.010		mg/L
7440-39-3	Barium	0.059	0.010		mg/L
7440-43-9	Cadmium	ND	0.0050		mg/L
7440-47-3	Chromium	ND	0.010		mg/L
7439-92-1	Lead	ND	0.015		mg/L
7782-49-2	Selenium	ND	0.040		mg/L
7440-22-4	Silver	ND	0.010		mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20911094349	TRIP BLANK	Water		11/09/2009 16:04

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/15/2009 06:24	CLH	421947

CAS#	Parameter	Result	RDL	REG LIMIT	Units
71-43-2	Benzene	ND	5		ug/L
100-41-4	Ethylbenzene	ND	5		ug/L
108-88-3	Toluene	ND	5		ug/L
1330-20-7	Xylene (total)	ND	10		ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.5	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	54.8	ug/L	110	77 - 127
2037-26-5	Toluene d8	50	52.8	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.2	ug/L	106	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 421908	Client ID	MB421908	LCS421908
Prep Batch N/A	GCAL ID	778027	778028
	Sample Type	Method Blank	LCS
	Analytical Date	11/13/2009 13:12	11/13/2009 11:34
	Matrix	Solid	Solid

SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R
100-41-4	Ethylbenzene	ND	250	2500	2450	98	80 - 123
1330-20-7	Xylene (total)	ND	500	7500	7480	100	80 - 120
71-43-2	Benzene	ND	50	2500	2420	97	78 - 120
108-88-3	Toluene	ND	250	2500	2330	93	78 - 122
Surrogate							
460-00-4	4-Bromofluorobenzene	2700	108	2500	2640	106	62 - 127
1868-53-7	Dibromofluoromethane	2680	107	2500	2570	103	65 - 130
2037-26-5	Toluene d8	2530	101	2500	2410	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2540	102	2500	2530	101	62 - 125

Analytical Batch 421908	Client ID	HA-1 (0-2)	776383MS	776383MSD
Prep Batch N/A	GCAL ID	20911094311	778090	778091
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	11/13/2009 13:38	11/13/2009 14:03	11/13/2009 14:27
	Matrix	Solid	Solid	Solid

SW-846 8260B		Units Result	ug/Kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
100-41-4	Ethylbenzene	0.00	240	2430	2590	107	80 - 123	2550	105	2	30
1330-20-7	Xylene (total)	0.00	490	7300	7930	109	80 - 120	7710	106	3	30
71-43-2	Benzene	0.00	49	2430	2410	99	78 - 120	2520	104	4	21
108-88-3	Toluene	0.00	240	2430	2380	98	78 - 122	2410	99	1	21
Surrogate											
460-00-4	4-Bromofluorobenzene	2620	108	2430	2750	113	62 - 127	2670	110		
1868-53-7	Dibromofluoromethane	2620	108	2430	2530	104	65 - 130	2560	105		
2037-26-5	Toluene d8	2430	100	2430	2340	96	71 - 132	2440	100		
17060-07-0	1,2-Dichloroethane-d4	2540	104	2430	2490	102	62 - 125	2470	102		

GC/MS Volatiles Quality Control Summary

Analytical Batch 421943	Client ID	MB421943			LCS421943			LCSD421943			
Prep Batch N/A	GCAL ID	778377			778378			778379			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	11/14/2009 12:46			11/14/2009 11:12			11/14/2009 11:49			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		**Units**	ug/Kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4 Ethylbenzene		ND	250	2500	2650	106	80 - 123	2650	106	0	30
1330-20-7 Xylene (total)		ND	500	7500	8200	109	80 - 120	7860	105	4	30
71-43-2 Benzene		ND	50	2500	2580	103	78 - 120	2660	106	3	30
108-88-3 Toluene		ND	250	2500	2530	101	78 - 122	2480	99	2	30
Surrogate											
460-00-4 4-Bromofluorobenzene		2720	109	2500	2680	107	62 - 127	2640	106		
1868-53-7 Dibromofluoromethane		2610	104	2500	2520	101	65 - 130	2570	103		
2037-26-5 Toluene d8		2450	98	2500	2350	94	71 - 132	2360	94		
17060-07-0 1,2-Dichloroethane-d4		2480	99	2500	2440	98	62 - 125	2530	101		

Analytical Batch 421947	Client ID	MB421947			LCS421947			LCSD421947			
Prep Batch N/A	GCAL ID	778389			778390			778391			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	11/14/2009 22:11			11/14/2009 21:02			11/14/2009 21:24			
	Matrix	Water			Water			Water			
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4 Ethylbenzene		ND	5	50.0	50.1	100	74 - 126	45.7	91	9	30
1330-20-7 Xylene (total)		ND	10	150	148	99	76 - 123	134	89	10	30
75-35-4 1,1-Dichloroethene		ND	5	50.0	46.7	93	76 - 123	43.8	88	6	20
71-43-2 Benzene		ND	5	50.0	50.9	102	78 - 121	45.5	91	11	20
79-01-6 Trichloroethene		ND	5	50.0	52.0	104	80 - 123	46.3	93	12	20
108-88-3 Toluene		ND	5	50.0	47.8	96	78 - 121	43.4	87	10	20
108-90-7 Chlorobenzene		ND	5	50.0	50.8	102	80 - 120	45.9	92	10	20
Surrogate											
460-00-4 4-Bromofluorobenzene		47.7	95	50	50.4	101	78 - 130	51.5	103		
1868-53-7 Dibromofluoromethane		52.3	105	50	51.6	103	77 - 127	51.4	103		
2037-26-5 Toluene d8		52.1	104	50	50.1	100	76 - 134	50.4	101		
17060-07-0 1,2-Dichloroethane-d4		52.9	106	50	51.7	103	71 - 127	51.4	103		

GC/MS Volatiles Quality Control Summary

Analytical Batch	421947	Client ID	LF3LC/SVE2	775614MS	775614MSD
Prep Batch	N/A	GCAL ID	20911060903	778392	778393
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	11/14/2009 22:53	11/14/2009 23:15	11/14/2009 23:37
		Matrix	Water	Water	Water

SW-846 8260B		Units	ug/L	Spike	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
		Result	RDL	Added							
100-41-4	Ethylbenzene	0.00	10000	100000	95900	96	74 - 126	91800	92	4	30
1330-20-7	Xylene (total)	0.00	20000	300000	282000	94	76 - 123	275000	92	3	30
75-35-4	1,1-Dichloroethene	0.00	10000	100000	89200	89	76 - 123	84300	84	6	30
71-43-2	Benzene	1020	10000	100000	99000	98	78 - 121	94900	94	4	30
79-01-6	Trichloroethene	184000	10000	100000	284000	100	80 - 123	268000	84	6	30
108-88-3	Toluene	9450	10000	100000	102000	93	78 - 121	98700	89	3	30
108-90-7	Chlorobenzene	3710	10000	100000	103000	99	80 - 120	99500	96	3	30
Surrogate											
460-00-4	4-Bromofluorobenzene			100000	101000	101	78 - 130	101000	101		
1868-53-7	Dibromofluoromethane			100000	103000	103	77 - 127	103000	103		
2037-26-5	Toluene d8			100000	101000	101	76 - 134	101000	101		
17060-07-0	1,2-Dichloroethane-d4			100000	102000	102	71 - 127	101000	101		

Analytical Batch	421955	Client ID	MB421955	LCS421955	LCSD421955
Prep Batch	N/A	GCAL ID	778424	778425	778426
		Sample Type	Method Blank	LCS	LCSD
		Analytical Date	11/15/2009 19:40	11/15/2009 17:37	11/15/2009 21:33
		Matrix	Solid	Solid	Solid

SW-846 8260B		Units	ug/Kg	Spike	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
		Result	RDL	Added							
100-41-4	Ethylbenzene	ND	250	2500	2360	94	80 - 123	2690	108	13	30
1330-20-7	Xylene (total)	ND	500	7500	7400	99	80 - 120	8150	109	10	30
75-35-4	1,1-Dichloroethene	ND	250	2500	2290	92	77 - 126	2770	111	19	30
71-43-2	Benzene	ND	25	2500	2510	100	78 - 120	2610	104	4	30
79-01-6	Trichloroethene	ND	250	2500	2340	94	77 - 126	2670	107	13	30
108-88-3	Toluene	ND	250	2500	2360	94	78 - 122	2590	104	9	30
108-90-7	Chlorobenzene	ND	250	2500	2450	98	79 - 120	2770	111	12	30
Surrogate											
460-00-4	4-Bromofluorobenzene	2450	98	2500	2250	90	62 - 127	2500	100		
1868-53-7	Dibromofluoromethane	2410	96	2500	2320	93	65 - 130	2340	94		
2037-26-5	Toluene d8	2540	102	2500	2310	92	71 - 132	2560	102		
17060-07-0	1,2-Dichloroethane-d4	2570	103	2500	2460	98	62 - 125	2640	106		

GC/MS Volatiles Quality Control Summary

Analytical Batch 421955	Client ID	SB-27-SOIL-26			SB-27-SOIL-26 MS			SB-27-SOIL-26 MSD			
Prep Batch N/A	GCAL ID	20911065613			20911065615			20911065616			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	11/15/2009 20:05			11/15/2009 22:01			11/15/2009 22:26			
	Matrix	Solid			Solid			Solid			
SW-846 8260B		**Units Result**	ug/Kg **RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
100-41-4	Ethylbenzene	0.00	4500	44900	46800	104	80 - 123	52500	106	11	30
1330-20-7	Xylene (total)	0.00	9000	135000	147000	109	80 - 120	154000	103	5	30
75-35-4	1,1-Dichloroethene	0.00	4500	44900	47300	105	77 - 126	51600	104	9	22
71-43-2	Benzene	0.00	450	44900	46500	104	78 - 120	50900	103	9	21
79-01-6	Trichloroethene	45100	4500	44900	104000	131*	77 - 126	111000	133*	7	24
108-88-3	Toluene	0.00	4500	44900	43000	96	78 - 122	50100	101	15	21
108-90-7	Chlorobenzene	0.00	4500	44900	49600	111	79 - 120	53600	108	8	21
Surrogate											
460-00-4	4-Bromofluorobenzene			44900	47800	106	62 - 127	49000	99		
1868-53-7	Dibromofluoromethane			44900	45900	102	65 - 130	50800	102		
2037-26-5	Toluene d8			44900	42300	94	71 - 132	49800	100		
17060-07-0	1,2-Dichloroethane-d4			44900	45800	102	62 - 125	48300	97		

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	421966	Client ID	MB421731	LCS421731	LCSD421731
Prep Batch	421731	GCAL ID	776962	776963	776964
Prep Method	3550B	Sample Type	Method Blank	LCS	LCSD
		Prep Date	11/13/2009 06:00	11/13/2009 06:00	11/13/2009 06:00
		Analytical Date	11/16/2009 12:12	11/16/2009 12:27	11/16/2009 12:43
		Matrix	Solid	Solid	Solid

SW-846 8270C		Units	ug/Kg	Spike	Result	% R	Control	Result	% R	RPD	RPD
		Result	RDL	Added			Limits % R				Limit
208-96-8	Acenaphthylene	ND	330								
120-12-7	Anthracene	ND	330								
56-55-3	Benzo(a)anthracene	ND	330								
205-99-2	Benzo(b)fluoranthene	ND	330								
207-08-9	Benzo(k)fluoranthene	ND	330								
191-24-2	Benzo(g,h,i)perylene	ND	330								
50-32-8	Benzo(a)pyrene	ND	330								
85-68-7	Butyl benzyl phthalate	ND	330								
111-91-1	Bis(2-Chloroethoxy)methane	ND	330								
111-44-4	Bis(2-Chloroethyl)ether	ND	330								
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330								
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330								
101-55-3	4-Bromophenyl phenyl ether	ND	330								
86-74-8	Carbazole	ND	330								
7005-72-3	4-Chlorophenyl phenyl ether	ND	330								
218-01-9	Chrysene	ND	330								
53-70-3	Dibenz(a,h)anthracene	ND	330								
132-64-9	Dibenzofuran	ND	330								
91-94-1	3,3'-Dichlorobenzidine	ND	660								
120-83-2	2,4-Dichlorophenol	ND	330								
84-66-2	Diethyl phthalate	ND	330								
105-67-9	2,4-Dimethylphenol	ND	330								
131-11-3	Dimethyl phthalate	ND	330								
117-84-0	Di-n-octyl phthalate	ND	330								
51-28-5	2,4-Dinitrophenol	ND	1650								
606-20-2	2,6-Dinitrotoluene	ND	330								
206-44-0	Fluoranthene	ND	330								
86-73-7	Fluorene	ND	330								
118-74-1	Hexachlorobenzene	ND	330								
87-68-3	Hexachlorobutadiene	ND	330								
77-47-4	Hexachlorocyclopentadiene	ND	330								
67-72-1	Hexachloroethane	ND	330								

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 421966	**Client ID**	MB421731	LCS421731	LCSD421731	
Prep Batch 421731	**GCAL ID**	776962	776963	776964	
Prep Method 3550B	**Sample Type**	Method Blank	LCS	LCSD	
	Prep Date	11/13/2009 06:00	11/13/2009 06:00	11/13/2009 06:00	
	Analytical Date	11/16/2009 12:12	11/16/2009 12:27	11/16/2009 12:43	
	Matrix	Solid	Solid	Solid	

SW-846 8270C		**Units**	ug/Kg	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
78-59-1	Isophorone	ND	330								
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330								
91-57-6	2-Methylnaphthalene	ND	330								
95-48-7	o-Cresol	ND	330								
91-20-3	Naphthalene	ND	330								
98-95-3	Nitrobenzene	ND	330								
88-75-5	2-Nitrophenol	ND	330								
62-75-9	n-Nitrosodimethylamine	ND	330								
86-30-6	n-Nitrosodiphenylamine	ND	330								
85-01-8	Phenanthrene	ND	330								
95-95-4	2,4,5-Trichlorophenol	ND	330								
88-06-2	2,4,6-Trichlorophenol	ND	330								
100-51-6	Benzyl alcohol	ND	330								
62-53-3	Aniline	ND	65.0								
110-86-1	Pyridine	ND	330								
99-09-2	3-Nitroaniline	ND	1650								
100-01-6	4-Nitroaniline	ND	1650								
84-74-2	Di-n-butyl phthalate	ND	330								
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330								
88-74-4	2-Nitroaniline	ND	1650								
91-58-7	2-Chloronaphthalene	ND	330								
106-47-8	4-Chloroaniline	ND	330								
1319-77-3MP	m,p-Cresol	ND	330								
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650								
108-95-2	Phenol	ND	330	3320	2270	68	42 - 120	2260	68	0.4	40
95-57-8	2-Chlorophenol	ND	330	3320	2280	69	48 - 120	2620	79	14	40
106-46-7	1,4-Dichlorobenzene	ND	330	3320	2210	67	42 - 120	2610	79	17	40
621-64-7	n-Nitrosodi-n-propylamine	ND	330	3320	2480	75	46 - 120	2890	87	15	40
120-82-1	1,2,4-Trichlorobenzene	ND	330	3320	2260	68	46 - 120	2520	76	11	40
59-50-7	4-Chloro-3-methylphenol	ND	330	3320	2370	71	46 - 120	2600	79	9	40
83-32-9	Acenaphthene	ND	330	3320	2470	74	50 - 120	2680	81	8	40
100-02-7	4-Nitrophenol	ND	1650	3320	2490	75	32 - 120	2560	77	3	40

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	421966	Client ID	MB421731			LCS421731			LCSD421731			
Prep Batch	421731	GCAL ID	776962			776963			776964			
Prep Method	3550B	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	11/13/2009 06:00			11/13/2009 06:00			11/13/2009 06:00			
		Analytical Date	11/16/2009 12:12			11/16/2009 12:27			11/16/2009 12:43			
		Matrix	Solid			Solid			Solid			
SW-846 8270C		Units	ug/Kg	Spike	Result	% R	Control	Result	% R	RPD	RPD
		Result	RDL	Added			Limits % R				Limit
121-14-2	2,4-Dinitrotoluene	ND	330	3320	2480	75	45 - 120	2740	83	10	40
87-86-5	Pentachlorophenol	ND	1650	3320	2100	63	30 - 124	2090	63	0.5	40
129-00-0	Pyrene	ND	330	3320	2990	90	38 - 136	3030	92	1	40
Surrogate											
4165-60-0	Nitrobenzene-d5	1260	76	1660	1250	75	46 - 123	1410	85		
321-60-8	2-Fluorobiphenyl	1270	76	1660	1270	76	47 - 127	1390	84		
1718-51-0	Terphenyl-d14	1430	86	1660	1550	93	38 - 167	1590	96		
4165-62-2	Phenol-d5	2340	70	3320	2350	71	43 - 123	2740	83		
367-12-4	2-Fluorophenol	2250	68	3320	2280	69	51 - 119	2640	80		
118-79-6	2,4,6-Tribromophenol	2300	69	3320	2410	73	44 - 121	2670	81		

Analytical Batch	421968	Client ID	MB421822			LCS421822			LCSD421822			
Prep Batch	421822	GCAL ID	777515			777516			777517			
Prep Method	3510C	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	11/12/2009 16:00			11/12/2009 16:00			11/12/2009 16:00			
		Analytical Date	11/14/2009 08:47			11/14/2009 09:02			11/14/2009 09:18			
		Matrix	Water			Water			Water			
SW-846 8270C		Units	ug/L	Spike	Result	% R	Control	Result	% R	RPD	RPD
		Result	RDL	Added			Limits % R				Limit
208-96-8	Acenaphthylene	ND	10.0								
120-12-7	Anthracene	ND	10.0								
56-55-3	Benzo(a)anthracene	ND	1.00								
205-99-2	Benzo(b)fluoranthene	ND	1.00								
207-08-9	Benzo(k)fluoranthene	ND	1.00								
191-24-2	Benzo(g,h,i)perylene	ND	10.0								
50-32-8	Benzo(a)pyrene	ND	0.200								
85-68-7	Butyl benzyl phthalate	ND	10.0								
111-91-1	Bis(2-Chloroethoxy)methane	ND	10.0								
111-44-4	Bis(2-Chloroethyl)ether	ND	2.00								
108-60-1	Bis(2-Chloroisopropyl)ether	ND	2.00								
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	2.00								

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 421968	**Client ID**	MB421822	LCS421822	LCSD421822	
Prep Batch 421822	**GCAL ID**	777515	777516	777517	
Prep Method 3510C	**Sample Type**	Method Blank	LCS	LCSD	
	Prep Date	11/12/2009 16:00	11/12/2009 16:00	11/12/2009 16:00	
	Analytical Date	11/14/2009 08:47	11/14/2009 09:02	11/14/2009 09:18	
	Matrix	Water	Water	Water	

SW-846 8270C		**Units**	ug/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
101-55-3	4-Bromophenyl phenyl ether	ND	10.0								
86-74-8	Carbazole	ND	10.0								
7005-72-3	4-Chlorophenyl phenyl ether	ND	10.0								
218-01-9	Chrysene	ND	1.00								
53-70-3	Dibenz(a,h)anthracene	ND	1.00								
132-64-9	Dibenzofuran	ND	10.0								
91-94-1	3,3'-Dichlorobenzidine	ND	10.0								
120-83-2	2,4-Dichlorophenol	ND	2.00								
84-66-2	Diethyl phthalate	ND	10.0								
105-67-9	2,4-Dimethylphenol	ND	10.0								
131-11-3	Dimethyl phthalate	ND	10.0								
117-84-0	Di-n-octyl phthalate	ND	10.0								
51-28-5	2,4-Dinitrophenol	ND	4.00								
606-20-2	2,6-Dinitrotoluene	ND	2.00								
206-44-0	Fluoranthene	ND	10.0								
86-73-7	Fluorene	ND	10.0								
118-74-1	Hexachlorobenzene	ND	0.400								
87-68-3	Hexachlorobutadiene	ND	0.400								
77-47-4	Hexachlorocyclopentadiene	ND	10.0								
67-72-1	Hexachloroethane	ND	2.00								
78-59-1	Isophorone	ND	10.0								
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.00								
91-57-6	2-Methylnaphthalene	ND	0.200								
95-48-7	o-Cresol	ND	10.0								
91-20-3	Naphthalene	ND	2.00								
98-95-3	Nitrobenzene	ND	1.00								
88-75-5	2-Nitrophenol	ND	10.0								
62-75-9	n-Nitrosodimethylamine	ND	10.0								
86-30-6	n-Nitrosodiphenylamine	ND	10.0								
85-01-8	Phenanthrene	ND	10.0								
95-95-4	2,4,5-Trichlorophenol	ND	10.0								
88-06-2	2,4,6-Trichlorophenol	ND	2.00								

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	421968	Client ID	MB421822			LCS421822			LCSD421822			
Prep Batch	421822	GCAL ID	777515			777516			777517			
Prep Method	3510C	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	11/12/2009 16:00			11/12/2009 16:00			11/12/2009 16:00			
		Analytical Date	11/14/2009 08:47			11/14/2009 09:02			11/14/2009 09:18			
		Matrix	Water			Water			Water			
SW-846 8270C		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-51-6	Benzyl alcohol	ND	10.0								
62-53-3	Aniline	ND	10.0								
110-86-1	Pyridine	ND	10.0								
99-09-2	3-Nitroaniline	ND	10.0								
100-01-6	4-Nitroaniline	ND	10.0								
84-74-2	Di-n-butyl phthalate	ND	10.0								
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	10.0								
88-74-4	2-Nitroaniline	ND	10.0								
91-58-7	2-Chloronaphthalene	ND	10.0								
106-47-8	4-Chloroaniline	ND	10.0								
1319-77-3MP	m,p-Cresol	ND	10.0								
534-52-1	4,6-Dinitro-2-methylphenol	ND	10.0								
108-95-2	Phenol	ND	10.0	100	63.6	64	16 - 120	71.2	71	11	25
95-57-8	2-Chlorophenol	ND	10.0	100	76.1	76	42 - 120	81.8	82	7	24
106-46-7	1,4-Dichlorobenzene	ND	10.0	100	76.1	76	22 - 120	81.3	81	7	30
621-64-7	n-Nitrosodi-n-propylamine	ND	2.00	100	78.4	78	47 - 120	84.5	85	7	32
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	100	78.9	79	30 - 120	84.8	85	7	31
59-50-7	4-Chloro-3-methylphenol	ND	10.0	100	66.8	67	44 - 120	73.2	73	9	26
83-32-9	Acenaphthene	ND	10.0	100	77.6	78	52 - 120	83.2	83	7	32
100-02-7	4-Nitrophenol	ND	10.0	100	59.3	59	3 - 120	65.5	66	10	31
121-14-2	2,4-Dinitrotoluene	ND	2.00	100	66.8	67	37 - 138	75.3	75	12	33
87-86-5	Pentachlorophenol	ND	10.0	100	69.3	69	25 - 158	76.5	77	10	32
129-00-0	Pyrene	ND	10.0	100	86.5	87	54 - 120	94.5	95	9	30
Surrogate											
4165-60-0	Nitrobenzene-d5	39.9	80	50	44.9	90	52 - 120	44.8	90		
321-60-8	2-Fluorobiphenyl	42.2	84	50	46.9	94	16 - 128	47.8	96		
1718-51-0	Terphenyl-d14	41.3	83	50	47.5	95	43 - 138	50.4	101		
4165-62-2	Phenol-d5	75.5	76	100	81	81	10 - 120	83.5	84		
367-12-4	2-Fluorophenol	74.2	74	100	80.3	80	10 - 120	80	80		
118-79-6	2,4,6-Tribromophenol	67.8	68	100	85.5	86	52 - 121	89.8	90		

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	421970	**Client ID**	MB421691			LCS421691			LCSD421691			
Prep Batch	421691	**GCAL ID**	776759			776760			776761			
Prep Method	3550B	**Sample Type**	Method Blank			LCS			LCSD			
		Prep Date	11/12/2009 15:00			11/12/2009 15:00			11/12/2009 15:00			
		Analytical Date	11/16/2009 12:05			11/16/2009 12:24			11/16/2009 12:44			
		Matrix	Solid			Solid			Solid			
SW-846 8270C		**Units**	ug/Kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
208-96-8	Acenaphthylene	ND	330								
120-12-7	Anthracene	ND	330								
56-55-3	Benzo(a)anthracene	ND	330								
205-99-2	Benzo(b)fluoranthene	ND	330								
207-08-9	Benzo(k)fluoranthene	ND	330								
191-24-2	Benzo(g,h,i)perylene	ND	330								
50-32-8	Benzo(a)pyrene	ND	330								
85-68-7	Butyl benzyl phthalate	ND	330								
111-91-1	Bis(2-Chloroethoxy)methane	ND	330								
111-44-4	Bis(2-Chloroethyl)ether	ND	330								
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330								
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330								
101-55-3	4-Bromophenyl phenyl ether	ND	330								
86-74-8	Carbazole	ND	330								
7005-72-3	4-Chlorophenyl phenyl ether	ND	330								
218-01-9	Chrysene	ND	330								
53-70-3	Dibenz(a,h)anthracene	ND	330								
132-64-9	Dibenzofuran	ND	330								
91-94-1	3,3'-Dichlorobenzidine	ND	660								
120-83-2	2,4-Dichlorophenol	ND	330								
84-66-2	Diethyl phthalate	ND	330								
105-67-9	2,4-Dimethylphenol	ND	330								
131-11-3	Dimethyl phthalate	ND	330								
117-84-0	Di-n-octyl phthalate	ND	330								
51-28-5	2,4-Dinitrophenol	ND	1650								
606-20-2	2,6-Dinitrotoluene	ND	330								
206-44-0	Fluoranthene	ND	330								
86-73-7	Fluorene	ND	330								
118-74-1	Hexachlorobenzene	ND	330								
87-68-3	Hexachlorobutadiene	ND	330								
77-47-4	Hexachlorocyclopentadiene	ND	330								
67-72-1	Hexachloroethane	ND	330								

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	421970	Client ID	MB421691			LCS421691			LCSD421691			
Prep Batch	421691	GCAL ID	776759			776760			776761			
Prep Method	3550B	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	11/12/2009 15:00			11/12/2009 15:00			11/12/2009 15:00			
		Analytical Date	11/16/2009 12:05			11/16/2009 12:24			11/16/2009 12:44			
		Matrix	Solid			Solid			Solid			
SW-846 8270C		**Units**	ug/Kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
78-59-1	Isophorone	ND	330								
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330								
91-57-6	2-Methylnaphthalene	ND	330								
95-48-7	o-Cresol	ND	330								
91-20-3	Naphthalene	ND	330								
98-95-3	Nitrobenzene	ND	330								
88-75-5	2-Nitrophenol	ND	330								
62-75-9	n-Nitrosodimethylamine	ND	330								
86-30-6	n-Nitrosodiphenylamine	ND	330								
85-01-8	Phenanthrene	ND	330								
95-95-4	2,4,5-Trichlorophenol	ND	330								
88-06-2	2,4,6-Trichlorophenol	ND	330								
100-51-6	Benzyl alcohol	ND	330								
62-53-3	Aniline	ND	65.0								
110-86-1	Pyridine	ND	330								
99-09-2	3-Nitroaniline	ND	1650								
100-01-6	4-Nitroaniline	ND	1650								
84-74-2	Di-n-butyl phthalate	ND	330								
122-66-7	1,2Diphenylhydrazine/Azobenzen	ND	330								
88-74-4	2-Nitroaniline	ND	1650								
91-58-7	2-Chloronaphthalene	ND	330								
106-47-8	4-Chloroaniline	ND	330								
1319-77-3MP	m,p-Cresol	ND	330								
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650								
108-95-2	Phenol	ND	330	3320	2300	69	42 - 120	2580	78	11	40
95-57-8	2-Chlorophenol	ND	330	3320	2370	71	48 - 120	2670	81	12	40
106-46-7	1,4-Dichlorobenzene	ND	330	3320	2130	64	42 - 120	2640	80	21	40
621-64-7	n-Nitrosodi-n-propylamine	ND	330	3320	2290	69	46 - 120	2540	77	10	40
120-82-1	1,2,4-Trichlorobenzene	ND	330	3320	2240	67	46 - 120	2630	79	16	40
59-50-7	4-Chloro-3-methylphenol	ND	330	3320	2200	66	46 - 120	2400	72	9	40
83-32-9	Acenaphthene	ND	330	3320	2580	78	50 - 120	2880	87	11	40
100-02-7	4-Nitrophenol	ND	1650	3320	1930	58	32 - 120	2160	65	11	40

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 421970	**Client ID**	MB421691			LCS421691			LCSD421691			
Prep Batch 421691	**GCAL ID**	776759			776760			776761			
Prep Method 3550B	**Sample Type**	Method Blank			LCS			LCSD			
	Prep Date	11/12/2009 15:00			11/12/2009 15:00			11/12/2009 15:00			
	Analytical Date	11/16/2009 12:05			11/16/2009 12:24			11/16/2009 12:44			
	Matrix	Solid			Solid			Solid			
SW-846 8270C		**Units**	ug/Kg	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
121-14-2	2,4-Dinitrotoluene	ND	330	3320	2060	62	45 - 120	2240	68	8	40
87-86-5	Pentachlorophenol	ND	1650	3320	2020	61	30 - 124	2270	69	12	40
129-00-0	Pyrene	ND	330	3320	3360	101	38 - 136	3360	101	0	40
Surrogate											
4165-60-0	Nitrobenzene-d5	1470	88	1660	1300	78	46 - 123	1460	88		
321-60-8	2-Fluorobiphenyl	1590	95	1660	1380	83	47 - 127	1540	93		
1718-51-0	Terphenyl-d14	1680	101	1660	1630	98	38 - 167	1630	98		
4165-62-2	Phenol-d5	2790	84	3320	2330	70	43 - 123	2590	78		
367-12-4	2-Fluorophenol	2910	87	3320	2430	73	51 - 119	2700	82		
118-79-6	2,4,6-Tribromophenol	2490	75	3320	2100	63	44 - 121	2320	70		

Analytical Batch 421970	**Client ID**	HA-1 (0-2)			776383MS			776383MSD			
Prep Batch 421691	**GCAL ID**	20911094311			776762			776763			
Prep Method 3550B	**Sample Type**	SAMPLE			MS			MSD			
	Prep Date	11/12/2009 15:00			11/12/2009 15:00			11/12/2009 15:00			
	Analytical Date	11/16/2009 13:04			11/16/2009 13:23			11/16/2009 13:43			
	Matrix	Solid			Solid			Solid			
SW-846 8270C		**Units**	ug/Kg	**Spike**	**Result**	**% R**	**Control**	**Result**	**% R**	**RPD**	**RPD**
		Result	**RDL**	**Added**			**Limits % R**				**Limit**
108-95-2	Phenol	0.00	325	3320	2540	76	42 - 120	2390	72	6	40
95-57-8	2-Chlorophenol	0.00	325	3320	2680	81	48 - 120	2490	75	7	40
106-46-7	1,4-Dichlorobenzene	0.00	329	3320	2480	75	42 - 120	2270	69	9	40
621-64-7	n-Nitrosodi-n-propylamine	0.00	325	3320	2460	74	46 - 120	2430	73	1	40
120-82-1	1,2,4-Trichlorobenzene	0.00	325	3320	2480	75	46 - 120	2460	74	0.8	40
59-50-7	4-Chloro-3-methylphenol	0.00	325	3320	2540	76	46 - 120	2440	74	4	40
83-32-9	Acenaphthene	0.00	325	3320	2940	88	50 - 120	2680	81	9	40
100-02-7	4-Nitrophenol	0.00	1620	3320	2330	70	32 - 120	2230	67	4	40
121-14-2	2,4-Dinitrotoluene	0.00	325	3320	2270	68	45 - 120	2180	66	4	40
87-86-5	Pentachlorophenol	0.00	1620	3320	2380	72	30 - 124	2260	68	5	40
129-00-0	Pyrene	0.00	325	3320	3330	100	38 - 136	3350	101	0.6	40

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	421970	**Client ID**	HA-1 (0-2)			776383MS			776383MSD		
Prep Batch	421691	**GCAL ID**	20911094311			776762			776763		
Prep Method	3550B	**Sample Type**	SAMPLE			MS			MSD		
		Prep Date	11/12/2009 15:00			11/12/2009 15:00			11/12/2009 15:00		
		Analytical Date	11/16/2009 13:04			11/16/2009 13:23			11/16/2009 13:43		
		Matrix	Solid			Solid			Solid		

SW-846 8270C		**Units**	ug/Kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
Surrogate											
4165-60-0	Nitrobenzene-d5	1390	85	1660	1440	87	46 - 123	1330	80		
321-60-8	2-Fluorobiphenyl	1390	85	1660	1550	93	47 - 127	1360	82		
1718-51-0	Terphenyl-d14	1450	88	1660	1560	94	38 - 167	1600	97		
4165-62-2	Phenol-d5	2470	75	3320	2540	76	43 - 123	2400	72		
367-12-4	2-Fluorophenol	2630	80	3320	2700	81	51 - 119	2440	74		
118-79-6	2,4,6-Tribromophenol	1890	58	3320	2340	70	44 - 121	2210	67		

General Chromatography Quality Control Summary

Analytical Batch	421785	Client ID	MB421643			LCS421643			LCSD421643			
Prep Batch	421643	GCAL ID	776480			776481			776482			
Prep Method	3550B	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	11/10/2009 12:30			11/10/2009 12:30			11/10/2009 12:30			
		Analytical Date	11/11/2009 12:25			11/11/2009 11:27			11/11/2009 11:45			
		Matrix	Solid			Solid			Solid			
SW-846 8082		Units	ug/Kg	Spike	Result	% R	Control	Result	% R	RPD	RPD
		Result	RDL	Added			Limits % R				Limit
11104-28-2	Aroclor-1221	ND	39.9								
11141-16-5	Aroclor-1232	ND	39.9								
53469-21-9	Aroclor-1242	ND	39.9								
12672-29-6	Aroclor-1248	ND	39.9								
11097-69-1	Aroclor-1254	ND	39.9								
12674-11-2	Aroclor-1016	ND	39.9	133	130	98	53 - 128	109	82	18	31
11096-82-5	Aroclor-1260	ND	39.9	133	119	90	50 - 126	101	76	16	36
Surrogate											
2051-24-3	Decachlorobiphenyl	19.9	120	16.6	16.3	98	38 - 137	13.8	83		

Analytical Batch	421785	Client ID	CONFERMATION SAMPLE			775320MS			775320MSD			
Prep Batch	421643	GCAL ID	20911052501			776483			776484			
Prep Method	3550B	Sample Type	SAMPLE			MS			MSD			
		Prep Date	11/10/2009 12:30			11/10/2009 12:30			11/10/2009 12:30			
		Analytical Date	11/12/2009 11:00			11/12/2009 11:18			11/12/2009 11:36			
		Matrix	Solid			Solid			Solid			
SW-846 8082		Units	ug/Kg	Spike	Result	% R	Control	Result	% R	RPD	RPD
		Result	RDL	Added			Limits % R				Limit
12674-11-2	Aroclor-1016	0.00	39.6	132	67.4	51*	53 - 128	56.0	42*	18	43
11096-82-5	Aroclor-1260	0.00	39.6	132	83.5	63	50 - 126	72.6	55	14	50
Surrogate											
2051-24-3	Decachlorobiphenyl			16.5	17.1	104	38 - 137	19.1	116		

Inorganics Quality Control Summary

Analytical Batch	421865	Client ID	MB421667			LCS421667		
Prep Batch	421667	GCAL ID	776530			776531		
Prep Method	SW-846 7470A	Sample Type	Method Blank			LCS		
		Prep Date	11/10/2009 12:30			11/10/2009 12:30		
		Analytical Date	11/12/2009 18:17			11/12/2009 18:18		
		Matrix	Water			Water		
SW-846 7470A Dissolved		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R	
7439-97-6	Mercury	ND	0.00020	0.00500	0.00458	92	80 - 120	

Analytical Batch	421865	Client ID	JP-11 GW			776376MS			776376MSD			
Prep Batch	421667	GCAL ID	20911094304			776700			776749			
Prep Method	SW-846 7470A	Sample Type	SAMPLE			MS			MSD			
		Prep Date	11/10/2009 12:30			11/10/2009 12:30			11/10/2009 12:30			
		Analytical Date	11/12/2009 18:20			11/12/2009 18:21			11/12/2009 18:23			
		Matrix	Water			Water			Water			
SW-846 7470A Dissolved		Units / Result	mg/L / RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit	
7439-97-6	Mercury	0.00000	0.00020	0.00500	0.00452	90	75 - 125	0.00472	94	4	20	

Inorganics Quality Control Summary

Analytical Batch	421755	**Client ID**	MB421670			LCS421670		
Prep Batch	421670	**GCAL ID**	776543			776544		
Prep Method	SW-846 7471B	**Sample Type**	Method Blank			LCS		
		Prep Date	11/10/2009 11:00			11/10/2009 11:00		
		Analytical Date	11/11/2009 14:07			11/11/2009 16:48		
		Matrix	Solid			Solid		
SW-846 7471B		**Units**	**Result**	mg/kg **RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
7439-97-6	Mercury		ND	0.010	0.25	0.28	114	80 - 120

Analytical Batch	421755	**Client ID**	MB421671			LCS421671		
Prep Batch	421671	**GCAL ID**	776548			776549		
Prep Method	SW-846 7471B	**Sample Type**	Method Blank			LCS		
		Prep Date	11/10/2009 14:55			11/10/2009 14:55		
		Analytical Date	11/11/2009 16:49			11/11/2009 14:58		
		Matrix	Solid			Solid		
SW-846 7471B		**Units**	**Result**	mg/kg **RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
7439-97-6	Mercury		ND	0.010	0.25	0.28	111	80 - 120

Analytical Batch	421755	**Client ID**	HA2 (2-4)			776386MS		
Prep Batch	421670	**GCAL ID**	20911094314			776546		
Prep Method	SW-846 7471B	**Sample Type**	SAMPLE			MS		
		Prep Date	11/10/2009 11:00			11/10/2009 11:00		
		Analytical Date	11/11/2009 14:10			11/11/2009 14:16		
		Matrix	Solid			Solid		
SW-846 7471B		**Units**	**Result**	mg/kg **RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**
7439-97-6	Mercury		0.045	0.010	0.25	0.30	102	75 - 125

Inorganics Quality Control Summary

Analytical Batch	421755	**Client ID**	JP-2 (2-4)			776403MS		
Prep Batch	421671	**GCAL ID**	20911094331			776551		
Prep Method	SW-846 7471B	**Sample Type**	SAMPLE			MS		
		Prep Date	11/10/2009 14:55			11/10/2009 14:55		
		Analytical Date	11/11/2009 14:59			11/11/2009 15:03		
		Matrix	Solid			Solid		
SW-846 7471B		**Units**	mg/kg	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
7439-97-6	Mercury	0.048	0.010	0.25	0.32	109	75 - 125	

Analytical Batch	421755	**Client ID**	HA2 (2-4)	776386DUP			
Prep Batch	421670	**GCAL ID**	20911094314	776545			
Prep Method	SW-846 7471B	**Sample Type**	SAMPLE	DUP			
		Prep Date	11/10/2009 11:00	11/10/2009 11:00			
		Analytical Date	11/11/2009 14:10	11/11/2009 14:11			
		Matrix	Solid	Solid			
SW-846 7471B		**Units**	mg/kg	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
7439-97-6	Mercury	0.045	0.010	0.061	30*	20	

Analytical Batch	421755	**Client ID**	JP-2 (2-4)	776403DUP			
Prep Batch	421671	**GCAL ID**	20911094331	776550			
Prep Method	SW-846 7471B	**Sample Type**	SAMPLE	DUP			
		Prep Date	11/10/2009 14:55	11/10/2009 14:55			
		Analytical Date	11/11/2009 14:59	11/11/2009 15:01			
		Matrix	Solid	Solid			
SW-846 7471B		**Units**	mg/kg	**Result**		**RPD**	
		Result	**RDL**		**RPD**	**Limit**	
7439-97-6	Mercury	0.048	0.010	0.045	6	20	

Inorganics Quality Control Summary

Analytical Batch	421760	**Client ID**	MB421669		LCS421669
Prep Batch	421669	**GCAL ID**	776539		776540
Prep Method	SW-846 3050B	**Sample Type**	Method Blank		LCS
		Prep Date	11/10/2009 14:55		11/10/2009 14:55
		Analytical Date	11/11/2009 13:44		11/11/2009 13:51
		Matrix	Solid		Solid

SW-846 6010B		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
7440-38-2	Arsenic	ND	1.60	20.0	19.0	95	80 - 120
7440-39-3	Barium	ND	0.40	20.0	19.7	98	80 - 120
7440-43-9	Cadmium	ND	0.20	20.0	19.3	97	80 - 120
7440-47-3	Chromium	ND	0.40	20.0	19.5	98	80 - 120
7439-92-1	Lead	ND	0.60	20.0	19.6	98	80 - 120
7782-49-2	Selenium	ND	1.60	20.0	18.9	95	80 - 120
7440-22-4	Silver	ND	0.40	20.0	19.4	97	80 - 120

Analytical Batch	421760	**Client ID**	JP-2 (2-4)		776403MS
Prep Batch	421669	**GCAL ID**	20911094331		776542
Prep Method	SW-846 3050B	**Sample Type**	SAMPLE		MS
		Prep Date	11/10/2009 14:55		11/10/2009 14:55
		Analytical Date	11/11/2009 13:58		11/11/2009 14:11
		Matrix	Solid		Solid

SW-846 6010B		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
7440-38-2	Arsenic	1.22	1.60	20.0	16.9	78	75 - 125
7440-39-3	Barium	63.7	0.40	20.0	82.1	92	75 - 125
7440-43-9	Cadmium	0.0	0.20	20.0	15.9	79	75 - 125
7440-47-3	Chromium	3.01	0.40	20.0	20.4	87	75 - 125
7439-92-1	Lead	9.45	0.60	20.0	25.4	80	75 - 125
7782-49-2	Selenium	0.0	1.60	20.0	13.5	67*	75 - 125
7440-22-4	Silver	0.0	0.40	20.0	16.7	84	75 - 125

Inorganics Quality Control Summary

Analytical Batch	421760	**Client ID**	JP-2 (2-4)	776403DUP	
Prep Batch	421669	**GCAL ID**	20911094331	776541	
Prep Method	SW-846 3050B	**Sample Type**	SAMPLE	DUP	
		Prep Date	11/10/2009 14:55	11/10/2009 14:55	
		Analytical Date	11/11/2009 13:58	11/11/2009 14:04	
		Matrix	Solid	Solid	

SW-846 6010B		**Units**	mg/kg	**Result**	**RPD**	**RPD Limit**
		Result	**RDL**			
7440-38-2	Arsenic	1.22	1.60	2.53	70*	20
7440-39-3	Barium	63.7	0.40	86.1	30*	20
7440-43-9	Cadmium	0.0	0.20	0.0	0	20
7440-47-3	Chromium	3.01	0.40	2.40	23*	20
7439-92-1	Lead	9.45	0.60	10.0	6	20
7782-49-2	Selenium	0.0	1.60	0.0	0	20
7440-22-4	Silver	0.0	0.40	0.0	0	20

Analytical Batch	421835	**Client ID**	MB421668	LCS421668	
Prep Batch	421668	**GCAL ID**	776534	776535	
Prep Method	SW-846 3050B	**Sample Type**	Method Blank	LCS	
		Prep Date	11/10/2009 13:40	11/10/2009 13:40	
		Analytical Date	11/12/2009 19:52	11/12/2009 19:59	
		Matrix	Solid	Solid	

SW-846 6010B		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
7440-38-2	Arsenic	ND	1.60	20.0	17.1	85	80 - 120
7440-39-3	Barium	ND	0.40	20.0	17.8	89	80 - 120
7440-43-9	Cadmium	ND	0.20	20.0	17.6	88	80 - 120
7440-47-3	Chromium	ND	0.40	20.0	17.5	87	80 - 120
7439-92-1	Lead	ND	0.60	20.0	17.9	90	80 - 120
7782-49-2	Selenium	ND	1.60	20.0	17.6	88	80 - 120
7440-22-4	Silver	ND	0.40	20.0	18.2	91	80 - 120

Inorganics Quality Control Summary

Analytical Batch	421835	**Client ID**	HA2 (2-4)		776386MS
Prep Batch	421668	**GCAL ID**	20911094314		776537
Prep Method	SW-846 3050B	**Sample Type**	SAMPLE		MS
		Prep Date	11/10/2009 13:40		11/10/2009 13:40
		Analytical Date	11/12/2009 20:04		11/12/2009 20:17
		Matrix	Solid		Solid

SW-846 6010B		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
7440-38-2	Arsenic	5.56	1.60	20.0	17.8	**61***	75 - 125
7440-39-3	Barium	37.1	0.40	20.0	59.0	110	75 - 125
7440-43-9	Cadmium	0.0	0.20	20.0	14.7	**73***	75 - 125
7440-47-3	Chromium	0.0	0.40	20.0	17.2	86	75 - 125
7439-92-1	Lead	6.61	0.60	20.0	21.6	75	75 - 125
7782-49-2	Selenium	0.0	1.60	20.0	12.8	**64***	75 - 125
7440-22-4	Silver	0.0	0.40	20.0	15.3	76	75 - 125

Analytical Batch	421835	**Client ID**	HA2 (2-4)		776386DUP
Prep Batch	421668	**GCAL ID**	20911094314		776536
Prep Method	SW-846 3050B	**Sample Type**	SAMPLE		DUP
		Prep Date	11/10/2009 13:40		11/10/2009 13:40
		Analytical Date	11/12/2009 20:04		11/12/2009 20:11
		Matrix	Solid		Solid

SW-846 6010B		**Units**	mg/kg	**Result**		**RPD**
		Result	**RDL**		**RPD**	**Limit**
7440-38-2	Arsenic	5.56	1.60	2.39	**80***	20
7440-39-3	Barium	37.1	0.40	37.9	2	20
7440-43-9	Cadmium	0.0	0.20	0.0	0	20
7440-47-3	Chromium	0.0	0.40	0.64	**200***	20
7439-92-1	Lead	6.61	0.60	7.08	7	20
7782-49-2	Selenium	0.0	1.60	0.0	0	20
7440-22-4	Silver	0.0	0.40	0.0	0	20

Inorganics Quality Control Summary

Analytical Batch	421763	**Client ID**	MB421664		LCS421664
Prep Batch	421664	**GCAL ID**	776517		776518
Prep Method	SW-846	**Sample Type**	Method Blank		LCS
	3010A	**Prep Date**	11/10/2009 12:30		11/10/2009 12:30
	Dissolved	**Analytical Date**	11/11/2009 12:13		11/11/2009 12:19
		Matrix	Water		Water

SW-846 6010B Dissolved		**Units**	mg/L	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
7440-38-2	Arsenic	ND	0.010	0.50	0.44	88	80 - 120
7440-39-3	Barium	ND	0.010	0.50	0.48	95	80 - 120
7440-43-9	Cadmium	ND	0.0050	0.50	0.48	95	80 - 120
7440-47-3	Chromium	ND	0.010	0.50	0.48	95	80 - 120
7439-92-1	Lead	ND	0.015	0.50	0.47	93	80 - 120
7782-49-2	Selenium	ND	0.040	0.50	0.46	92	80 - 120
7440-22-4	Silver	ND	0.010	0.50	0.48	95	80 - 120

Analytical Batch	421763	**Client ID**	JP-8 GW	776374MS	776374MSD	
Prep Batch	421664	**GCAL ID**	20911094302	776520	776745	
Prep Method	SW-846	**Sample Type**	SAMPLE	MS	MSD	
	3010A	**Prep Date**	11/10/2009 12:30	11/10/2009 12:30	11/10/2009 12:30	
	Dissolved	**Analytical Date**	11/11/2009 12:25	11/11/2009 12:31	11/11/2009 12:36	
		Matrix	Water	Water	Water	

SW-846 6010B Dissolved		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
7440-38-2	Arsenic	0.0	0.010	0.50	0.42	84	75 - 125	0.42	85	0	20
7440-39-3	Barium	0.18	0.010	0.50	0.71	106	75 - 125	0.70	105	1	20
7440-43-9	Cadmium	0.0	0.0050	0.50	0.48	96	75 - 125	0.48	96	0	20
7440-47-3	Chromium	0.0046	0.010	0.50	0.53	105	75 - 125	0.52	104	2	20
7439-92-1	Lead	0.0	0.015	0.50	0.50	99	75 - 125	0.50	99	0	20
7782-49-2	Selenium	0.0	0.040	0.50	0.50	100	75 - 125	0.50	100	0	20
7440-22-4	Silver	0.0	0.010	0.50	0.49	99	75 - 125	0.50	99	2	20

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
GRI	4618	2009110943	11/18-5

Report to:
Client: GRI
Address: 13588 Florida Blvd
BR 70819
Contact: Kern Rouly
Phone: 225. 292. 1400
Fax: 225. 292. 1404

Bill to:
Client: GRI
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: NPS - Jones Point

Sampled By: K Rouly, C. Johnson, B. Johnson

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 5

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	BTEX (8260)	SVOAs (8270)	RCRA(8) Metals (dis)	Remarks:	Lab ID
W	11/6/09	0720		X	Trip Blank	HCL-VOAs	5	✓	✓	✓		1
W	11/6/09	0750		X	JP-4 GW	HCL-VOAs	5	✓	✓	✓		2
W	11/6/09	0809		X	JP-8 GW	HCL-VOAs	5	✓	✓	✓		3
W	11/6/09	0839		X	JP-9 GW	HCL-VOAs	5	✓	✓	✓		4
W	11/6/09	0855		X	JP-11 GW	HCL-VOAs	5	✓	✓	✓		5
W	11/6/09	0932		X	JP-13 GW	HCL-VOAs	5	✓	✓	✓		6
W	11/6/09	1100		X	JP-14 GW	HCL-VOAs	5	✓	✓	✓		7
W	11/6/09	1000		X	Dup-1	HCL-VOA	3	✓			BTEX only	8
W	11/6/09	1000		X	JP-15 GW	HCL-VOAs	5	✓	✓	✓		9
S	11/6/09	0735		X	HA-1 0-2	4°C	3	✓	✓	✓	Encore	11
S	11/6/09	0750		X	HA-1 2-4	4°C	3	✓	✓	✓	Encore	12
S	11/6/09	0838		X	HA2 0-2	4°C	3	✓	✓	✓	Encore	13
S	11/6/09	0848		X	HA2 2-4	4°C	3	✓	✓	✓	Encore	14
S	11/6/09	0917		X	HA3 0-2	4°C	3	✓	✓	✓	Encore	15
S	11/6/09	0925		X	HA3 2-4	4°C	3	✓	✓	✓	Encore	16

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kern Rouly		11/9/09	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Trip Blank - run BTEX only

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
QRI	4618	20[illegible]943	11:16 9

Report to:
Client: QRI
Address: 13588 Florida Blvd
BR 70819
Contact: Kern Rouly
Phone: 225. 292. 1400
Fax: 225. 292 1404

Bill to:
Client: QRI
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: NPS - Jones Point

Sampled By: K. Rouly

Lab use only:
Custody Seal
used ☐ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 5

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	BTEX (8260) 40 ml VOAs	SVOAs (8270)	RCRA(8) metals	Remarks:	Lab ID
W	11/5/09	0800		X	JP-5 GW	HCL-VOAs	5	✓	✓	✓	lab filter metals	9
W	11/5/09	0825		X	JP-6 GW	HCL VOAs	5	✓	✓	✓	lab filter metals	10
S	11/5/09	0900		X	JP-7 2'-4'		3	✓	✓	✓		17
S	11/5/09	0907		X	JP-7 4'-6'		3	✓	✓	✓		18
S	11/5/09	0950		X	JP-8 0-2'		3	✓	✓	✓		19
S	11/5/09	0955		X	JP-8 4-6'		3	✓	✓	✓		20
S	11/5/09	1019		X	JP-9 2'-4'		3	✓	✓	✓		21
S	11/5/09	1025		X	JP-9 4'-6'		3	✓	✓	✓		22
S	11/5/09	1040		X	JP-10 2'-4'		3	✓	✓	✓		23
S	11/5/09	1049		X	JP-10 4'-6'		3	✓	✓	✓		24
S	11/5/09	1122		X	JP-11 2'-4'		3	✓	✓	✓		25
S	11/5/09	1130		X	JP-11 4'-6'		3	✓	✓	✓		26
S	11/5/09	1310		X	JP-12 2'-4'		3	✓	✓	✓		27
S	11/5/09	1326		X	JP-12 4'-6'		3	✓	✓	✓		28

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	11/9/09	1604
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:

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Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
QRI	4615	[illegible]	[illegible]

Report to:
Client: QRI
Address: 13588 Florida Blvd
BR 70819
Contact: Kern Rouly
Phone: 225.292.1400
Fax: 225.292.1404

Bill to:
Client: QRI
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: NPS - Jones Point

Sampled By: K. Rouly

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☐ yes ☐ no
Temperature °C 5°

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	BTEX (8260)	SVOAs (8270)	RCRA(8) Metals	Remarks:	Lab ID
S	4/4/09	0848		X	JP-1 2'-4'		3	✓	✓	✓		29
S	4/4/09	0857		X	JP-1 4'-6'		3	✓	✓	✓		30
S	4/4/09	0948		X	JP-2 2'-4'		3	✓	✓	✓		31
S	4/4/09	0956		X	JP-2 4'-6'		3	✓	✓	✓		32
S	4/4/09	1040		X	JP-3 2'-4'		3	✓	✓	✓		33
S	4/4/09	1107		X	JP-3 4'-6'		3	✓	✓	✓		34
S	4/4/09	1255		X	JP-4 2'-4'		3	✓	✓	✓		35
S	4/4/09	1333		X	JP-4 4'-6'		3	✓	✓	✓		36
S	4/4/09	1436		X	JP-5 0'-2'		3	✓	✓	✓		37
S	4/4/09	1440		X	JP-5 4'-6'		3	✓	✓	✓		38
S	4/4/09	1521		X	JP-6 2-4'		3	✓	✓	✓		39
S	4/4/09	1529		X	JP-6 4'-6'		3	✓	✓	✓		40

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☒ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kern Rouly	M	4/9/09	1100
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:

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GCAL-06 11/98

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7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
QRI	4418	20-1106543	10 days

Report to:
Client: QRI
Address: 13588 Florida Blvd
BR 70819
Contact: 225 292.1400
Phone: Kern Rouly
Fax: 225-292.1404

Bill to:
Client: QRI
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: NPS Jones Point

Sampled By: K. Rouly

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 5

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	BTEX (8260)	SVOAs (8270)	RCRA 8 Metals	PCBs (8082)	Remarks:	Lab ID
S	11/5/09	1445		X	JP-14 0-2'		4	✓	✓	✓	✓		41
S	11/5/09	1455		X	JP-14 5'-7'		4	✓	✓	✓	✓		42
S	11/5/09	1520		X	JP-15 2'-4'		3	✓	✓	✓			43
S	11/5/09	1535		X	JP-15 5'-7'		3	✓	✓	✓			44
W	11/5/09	1555		X	SW-1	HCl VOAs	5	✓	✓	✓		3-40ml VOAs	47
W	11/5/09	1615		X	SW-2	HCl VOAs	5	✓	✓	✓		3-40ml VOAs	48
S	11/5/09	1630		X	SED-1		3	✓	✓	✓			45
S	11/5/09	1645		X	SED-2		3	✓	✓	✓			46
					Trip blank		3	✓					49

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kern Rouly	RC	11/9/09	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Trip blank - BTEX only

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO: 209110943 **Type:** M
Desc: **Report:** REVIEW_RPT
Work ID: NPS - Jones Point **Status:** WP
Project Seq: 97343 **Created:** 11/9/2009 17:27
Client: 4618 - QRI, LLC **QA:**
Profile: 166315 - Jones Point - NPS - Jones Point **PO:**

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094301-1	40	HCL							OK
20911094301-2	40	HCL							OK
20911094301-3	40	HCL							OK
20911094301-4	LA	NONE			X			X	OK
20911094301-5	OC	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094302-1	40	HCL							OK
20911094302-2	40	HCL							OK
20911094302-3	40	HCL							OK
20911094302-4	LA	NONE			X			X	OK
20911094302-5	OC	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094303-1	40	HCL							OK
20911094303-2	40	HCL							OK
20911094303-3	40	HCL							OK
20911094303-4	LA	NONE			X			X	OK
20911094303-5	OC	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094304-1	40	HCL							OK
20911094304-2	40	HCL							OK
20911094304-3	40	HCL							OK
20911094304-4	LA	NONE			X			X	OK
20911094304-5	OC	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094305-1	40	HCL							OK
20911094305-2	40	HCL							OK
20911094305-3	40	HCL							OK
20911094305-4	LA	NONE			X			X	OK
20911094305-5	OC	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094306-1	40	HCL							OK
20911094306-2	40	HCL							OK
20911094306-3	40	HCL							OK
20911094306-4	LA	NONE			X			X	OK
20911094306-5	OC	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094307-1	40	HCL							OK
20911094307-2	40	HCL							OK
20911094307-3	40	HCL							OK
20911094307-4	LA	NONE			X			X	OK
20911094307-5	OC	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094308-1	40	HCL							OK
20911094308-2	40	HCL							OK
20911094308-3	40	HCL							OK
20911094308-4	LA	NONE			X			X	OK
20911094308-5	OC	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094309-1	40	HCL							OK
20911094309-2	40	HCL							OK
20911094309-3	40	HCL							OK
20911094309-4	LA	NONE			X			X	OK
20911094309-5	OC	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094310-1	40	HCL							OK
20911094310-2	40	HCL							OK
20911094310-3	40	HCL							OK
20911094310-4	LA	NONE			X			X	OK
20911094310-5	OC	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094311-1	OC	NONE			X			X	OK
20911094311-2	OC	NONE			X			X	OK
20911094311-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094312-1	OC	NONE			X			X	OK
20911094312-2	OC	NONE			X			X	OK
20911094312-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094313-1	OC	NONE			X			X	OK
20911094313-2	OC	NONE			X			X	OK
20911094313-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094314-1	OC	NONE			X			X	OK
20911094314-2	OC	NONE			X			X	OK
20911094314-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094315-1	OC	NONE			X			X	OK
20911094315-2	OC	NONE			X			X	OK
20911094315-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094316-1	OC	NONE			X			X	OK
20911094316-2	OC	NONE			X			X	OK
20911094316-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094317-1	OC	NONE			X			X	OK
20911094317-2	OC	NONE			X			X	OK
20911094317-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094318-1	OC	NONE			X			X	OK
20911094318-2	OC	NONE			X			X	OK
20911094318-3	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094319-1	OC	NONE			X			X	OK
20911094319-2	OC	NONE			X			X	OK
20911094319-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094320-1	OC	NONE			X			X	OK
20911094320-2	OC	NONE			X			X	OK
20911094320-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094321-1	OC	NONE			X			X	OK
20911094321-2	OC	NONE			X			X	OK
20911094321-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094322-1	OC	NONE			X			X	OK
20911094322-2	OC	NONE			X			X	OK
20911094322-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094323-1	OC	NONE			X			X	OK
20911094323-2	OC	NONE			X			X	OK
20911094323-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094324-1	OC	NONE			X			X	OK
20911094324-2	OC	NONE			X			X	OK
20911094324-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094325-1	OC	NONE			X			X	OK
20911094325-2	OC	NONE			X			X	OK
20911094325-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094326-1	OC	NONE			X			X	OK
20911094326-2	OC	NONE			X			X	OK
20911094326-3	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094327-1	OC	NONE			X			X	OK
20911094327-2	OC	NONE			X			X	OK
20911094327-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094328-1	OC	NONE			X			X	OK
20911094328-2	OC	NONE			X			X	OK
20911094328-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094329-1	OC	NONE			X			X	OK
20911094329-2	OC	NONE			X			X	OK
20911094329-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094330-1	OC	NONE			X			X	OK
20911094330-2	OC	NONE			X			X	OK
20911094330-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094331-1	OC	NONE			X			X	OK
20911094331-2	OC	NONE			X			X	OK
20911094331-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094332-1	OC	NONE			X			X	OK
20911094332-2	OC	NONE			X			X	OK
20911094332-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094333-1	OC	NONE			X			X	OK
20911094333-2	OC	NONE			X			X	OK
20911094333-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094334-1	OC	NONE			X			X	OK
20911094334-2	OC	NONE			X			X	OK
20911094334-3	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094335-1	OC	NONE			X			X	OK
20911094335-2	OC	NONE			X			X	OK
20911094335-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094336-1	OC	NONE			X			X	OK
20911094336-2	OC	NONE			X			X	OK
20911094336-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094337-1	OC	NONE			X			X	OK
20911094337-2	OC	NONE			X			X	OK
20911094337-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094338-1	OC	NONE			X			X	OK
20911094338-2	OC	NONE			X			X	OK
20911094338-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094339-1	OC	NONE			X			X	OK
20911094339-2	OC	NONE			X			X	OK
20911094339-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094340-1	OC	NONE			X			X	OK
20911094340-2	OC	NONE			X			X	OK
20911094340-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094341-1	OC	NONE			X			X	OK
20911094341-2	OC	NONE			X			X	OK
20911094341-3	4	NONE			X			X	OK
20911094341-4	4	NONE			X			X	
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094342-1	OC	NONE			X			X	OK
20911094342-2	OC	NONE			X			X	OK
20911094342-3	4	NONE			X			X	OK
20911094342-4	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094343-1	OC	NONE			X			X	OK
20911094343-2	OC	NONE			X			X	OK
20911094343-3	4	NONE			X			X	OK
20911094343-4	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094344-1	OC	NONE			X			X	OK
20911094344-2	OC	NONE			X			X	OK
20911094344-3	4	NONE			X			X	OK
20911094344-4	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094345-1	OC	NONE			X			X	OK
20911094345-2	OC	NONE			X			X	OK
20911094345-3	4	NONE			X			X	OK
20911094345-4	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094346-1	OC	NONE			X			X	OK
20911094346-2	OC	NONE			X			X	OK
20911094346-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094347-1	40	HCL							OK
20911094347-2	40	HCL							OK
20911094347-3	40	HCL							OK
20911094347-4	LA	NONE			X			X	OK
20911094347-5	OC	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094348-1	40	HCL							OK
20911094348-2	40	HCL							OK
20911094348-3	40	HCL							OK
20911094348-4	LA	NONE			X			X	OK
20911094348-5	OC	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20911094349-1	40	HCL							OK
20911094349-2	40	HCL							OK
20911094349-3	40	HCL							OK

pH PRESERVATIVE VOA HEADSPACE

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE A U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [ ] Yes [ ] No
in tact [ ] Yes [ ] No

LABEL(S) VERIFIED_____ CUSTODIAN_____

APPENDIX F

BORING LOGS

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/4/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **Dry**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-1**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand:	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	SC, clayey sand (upper 6"), brownish-gray, few shells					
-	CL, silty clay, brownish gray, red-orange mottles, dry, no odor			0.6		
2						
-	- red orange mottling, dry		0848	4.0		X
4						
-	- organic matter (leaves, bark), dry, no odor		0857	4.0		X
6						
-	Boring terminated at 6'.					
-						
-	Groundwater not encountered in borehole.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**		Date: **11/4/2009**
Contract #: **C7530-09-0012**	Riser:	**1" Sch. 40 PVC**	First Water: **Dry**
Logged by: **Kern Rouly**	Screen:	**1", 0.010" slot**	Well/Boring No: **JP-2**
Drilling Co: **QRI**	Bentonite:		Sample Type: **Core**
Driller: **Jady New**	Sand:	**1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout:	**Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	CL, sandy clay, dark gray, abundant roots, red-orange mottles					
-	- SM lens (~2"), loose, dry			1.7		
2	- plastic, trace fine sand, dry					
-	- brownish gray, rootlets, organic matter, red-orange mottles, dry		0948	6.1		X
4						
-	- stiff, dark gray, dry, silty,		0956	4.7		X
6	- abundant orange mottles, dry					
-	Boring terminated at 6'.					
-						
-	Groundwater not encounterd in borehole.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/4/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **Dry**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-3**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 - 2	CL, dark gray, silty clay, rootlets, clay skins, red-orange mottles, dry			3.2		
	CL/CH, dark gray, stiff, abundant rootlets and organic matter, mottled		1040	6.8		X
4 - 6	CL, dark gray and brown, stiff, dry, rootlets, re-orange mottles, no odor		1109	5.8		X
	Boring terminated at 6'.					
	Groundwater not encountered in borehole.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/4/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **4'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-4**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 -	SM, silty sand, dark gray to black, loose, damp, trace shell (upper 8")			5.3		
2 -	CL, silty clay, greenish-gray, red-orange mottles, roots		1255	8.9		X
4 -	- dark gray, soft, wet, roots, no odor		1333	7.1		X
6	Boring terminated at 6'. JP-4 GW collected 11/5/2009 @ 0720					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/4/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **4'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-5**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 - 2	CL, dark gray, organic matter, plastic, no odor			9.7		
	- stiff, greenish-gray, red-orange mottles, dry, no odor		1436	8.4		X
4 - 6	- dark gray, very damp, roots		1440	11.3		X
	Boring terminated at 6'.					
	JP-5 GW collected 11/5/2009 @ 0800					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/4/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **3'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-6**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	Humus (6") - dark brown					
-	CL, silty clay, dark brown, rootlets, orange mottles, damp			6.6		
2						
-	- brownish-gray, rootlets, organic matter, stiff, damp		1521	8.5		X
4						
-	- roots, wet, stiff		1529	7.7		X
6						
-	Boring terminated at 6'.					
-						
-	JP-6 GW collected 11/5/2009 @ 0825					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **Dry**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-7**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	CL, brownish gray, dry, stiff, rootlets, red-orange mottles			1.1		
2	- stiff, dry, no odor		0900	6.5		X
4	- dry, no odor		0907	6.0		X
6	Boring terminated at 6'.					
	Groundwater not encountered in borehole.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **4'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-8**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 - 2	CL, greenish gray, dry, stiff, silty, rootlets, red-orange mottles		0950	10		X
2 - 4	- stiff, dry, no odor			8.7		
4 - 6	- wet, no odor		0955	8.2		X
	Boring terminated at 6'.					
	JP-8 GW collected 11/6/2009 @ 0750					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **2'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-9**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	FILL, shell, augered through zone					
2	CL, greenish-gray, wet, no odor		1019			X
4	- very silty, trace sand		1025			X
6	- clay skins, slickensides, oganic matter					
	Boring terminated at 6'.					
	JP-9 GW collected 11/6/2009 @ 0809					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**		Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser:	**1" Sch. 40 PVC**	First Water: **Dry**
Logged by: **Kern Rouly**	Screen:	**1", 0.010" slot**	Well/Boring No: **JP-10**
Drilling Co: **QRI**	Bentonite:		Sample Type: **Core**
Driller: **Jady New**	Sand:	**1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout:	**Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	FILL, shell, augered through zone					
2	CL, greenish-gray, dry, stiff, no odor, red-orange mottles		1040	5.2		X
4	- rootlets		1049	4.6		X
6	- dry, stiff, no odor					
	Boring terminated at 6'.					
	Groundwater not encountered in borehole.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **4'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-11**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 - 2	FILL, shell, augered through zone					
2 - 4	CL, greenish-gray, dry, stiff, no odor, red-orange mottles		1122	3.6		X
4 - 6	- rootlets SM, silty sand, greenish-gray, very fine, wet, organic matter		1130	. 1.6		X
	Boring terminated at 6'. JP-11 GW collected 11/6/2009 @ 0834					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **Dry**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-12**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	Humus (upper 3")					
-	CL, silty clay, olive gray, stiff, dry, trace very fine sand			7.3		
2						
-	- red-orange mottles, dry		1310	8.6		X
4				.		
-	- plastic, highly organic, dry, no odor		1326	7.0		X
6						
-	Boring terminated at 6'.					
-						
-	Groundwater not encounterd in borehole.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **2'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-13**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 - 2	FILL, shell					
2 - 4 - 6	SM, greenish-gray, wet, loose, no recovery in core after 3 attempts, set well			.		
	Boring terminated at 6'. JP-13 GW collected on 11/6/2009 @ 0855 No soil recovery below 2'					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser: **1" Sch. 40 PVC**	First Water: **4'**
Logged by: **Kern Rouly**	Screen: **1", 0.010" slot**	Well/Boring No: **JP-14**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Core**
Driller: **Jady New**	Sand: **1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	FILL, shell, upper 6", oil-stained					
-	CL, greenish-gray, red-orange mottles, oil-stained, odor		1445	5.0		X
2						
-				4.8		
4	- stiff, no odor, damp			.		
-						
6	- plastic		1455	1.9		X
-	- organic matter in last 4" of sample					
-	Boring terminated at 7'.					
-	JP-14 GW collected on 11/6/2009 @ 0930					
-						
-	**NOTE: soil samples run for PCB's (Method 8082) because of fallen transformers**					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**		Date: **11/5/2009**
Contract #: **C7530-09-0012**	Riser:	**1" Sch. 40 PVC**	First Water: **4'**
Logged by: **Kern Rouly**	Screen:	**1", 0.010" slot**	Well/Boring No: **JP-15**
Drilling Co: **QRI**	Bentonite:		Sample Type: **Core**
Driller: **Jady New**	Sand:	**1' - 6'**	Surface: **Soil**
Rig Type: **Geoprobe 6100**	Grout:	**Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	SM, dark gray, upper 6"					
-	- shell hash (4")			3.4		
2	CL, greenish-gray, roots, stiff, dry, organic matter					
-			1529	5.6		X
4	- silt stringers			.		
-						
6	- clay skins and slickensides, stiff, damp		1535	3.7		X
-	- 2" silty sand (SM) lens near bottom of sample					
-	Boring terminated at 7'.					
-						
-	JP-15 GW collected on 11/6/2009 @ 1000					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/6/2009**
Contract #: **C7530-09-0012**	Riser:	First Water: **4'**
Logged by: **Kern Rouly**	Screen:	Well/Boring No: **HA-1**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Hand Auger**
Driller: **Jady New**	Sand:	Surface: **Soil**
Rig Type:	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	Humus, dark gray, upper 3", dry					
-	CL, grayish-brown, shells abundant, stiff, dry		0735			X
2						
-	- olive gray, red-orange mottles, stiff, dry		0750			X
4	SM, silty sand, dark gray, bottom 4" of sample, wet			.		
-						
6	Boring terminated at 4'.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/6/2009**
Contract #: **C7530-09-0012**	Riser:	First Water: **2'**
Logged by: **Kern Rouly**	Screen:	Well/Boring No: **HA-2**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Hand Auger**
Driller: **Jady New**	Sand:	Surface: **Soil**
Rig Type:	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0	Humus, dark gray, upper 3", roots					
-	Shell (6" - 8" thickness)		0838			X
2	CL, sandy clay, gray, soft, wet, roots					
-			0848			X
4	- silty clay, gray, soft			.		
-						
6	Boring terminated at 4'.					

QUATERNARY RESOURCE INVESTIGATIONS, LLC

SOIL BORING LOG

Proj. Name: **NPS Jones Point**	OD of boring: **3"**	Date: **11/6/2009**
Contract #: **C7530-09-0012**	Riser:	First Water: **Dry**
Logged by: **Kern Rouly**	Screen:	Well/Boring No: **HA-3**
Drilling Co: **QRI**	Bentonite:	Sample Type: **Hand Auger**
Driller: **Jady New**	Sand:	Surface: **Soil**
Rig Type:	Grout: **Bentonite Pellets**	Fill:

Depth	Lithology / Description	Well Construction	Time	PID (ppm)	Recovery (%)	Lab Submittal
0 - 2	Humus (upper 3"), dark gray to black CL, dark gray, trace sand		0917			X
			0925			X
4	- greenish-gray, stiff, red-orange and olive mottles, dry			.		
6	Boring terminated at 4'.					

APPENDIX G

SITE PHOTOGRAPHS



Photo #1: NORTHWEST. View of 1st part of shell access road.



Photo #2: NORTHWEST. Shell road obstruction.



Photo #3: NORTHWEST. Obstruction on shell access road.

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Photo #4: SOUTHEAST. View of 1st part of shell access road.



Photo #5: SOUTHEAST. Debris pile.



Photo #6: SOUTHWEST. View along shell access road.



Photo #7: SOUTHWEST. 1st clear area along shell access road.



Photo #8: SOUTHWEST. View along shell access road.



Photo #9: SOUTHWEST. View along shell access road.

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Photo #10: SOUTHWEST. View along shell access road.



Photo #11: SOUTHWEST. View along shell access road.



Photo #12: SOUTHWEST. View along shell access road.



Photo #13: SOUTHWEST. View along shell access road.



Photo #14: SOUTHWEST. View along shell access road.



Photo #15: SOUTHWEST. Clear area along shell access road



Photo #16: SOUTHEAST. Clear area along shell access road.



Photo #17: SOUTHWEST. View along shell access road.



Photo #18: SOUTHWEST. View along shell access road.



Photo #19: SOUTHWEST. Shell road obstruction.



Photo #20: SOUTHWEST. Shell road obstruction.



Photo #21: NORTHWEST. Existing power lines.



Photo #22: SOUTHWEST. Scrap pipelines and guy wires.



Photo #23: SOUTHWEST. View along shell access road.



Photo #24: SOUTHEAST. View along shell access road



Photo #25: SOUTHEAST. View along shell access road



Photo #26: SED-2 sample location.



Photo #27: SED-2 sample location.



Photo #28: Monitor Well. .



Photo #1: SOUTH, View of gate to former shipyard site during initial site visit.



Photo #2: SOUTH, View of access road leading to former shipyard during initial site visit .



Photo #3: WEST, Former microwave tower site under construction.



Photo #4: SOUTHWEST, Former microwave tower site under construction.



Photo #5: SOUTHWEST, View of entrance to former shipyard after clearing.



Photo #6: NORTHEAST, View along access road to former shipyard. Jones Island in background.



Photo #7: Bulldozer clearing access to locations.



Photo #8: Railroad ties and timbers located near entrance gate to former shipyard.



Photo #9: Empty metal storage tank found on site.

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Photo #10: Partially buried waste tires and debris.



Photo #11: Empty metal storage tank



Photo #12: Deteriorated one-gallon pails and other debris.



Photo #13: Debris pile of mixed wastes.



Photo #14: Empty metal containers on the bank of the waterway.



Photo #15: Concrete slab near site entrance.



Photo #16: Debris pile of mixed commercial and household waste near JP-7.



Photo #17: Debris pile of mixed commercial and household waste near JP-4.



Photo #18: Coiled rope near borehole JP-2.



Photo #19: Fallen pole-mounted Entergy transformers located near boring JP-14.



Photo #20: Debris pile near on Jones Island near boring HA-1.



Photo #21: Broken concrete support on Jones Island.



Photo #22: Inactive metal tank on south end of Jones Island.



Photo #23: Former wharf in waterway east of boring JP-1.



Photo #24: Concrete slabs along eastern shore near JP-13.



Photo #25: Location of samples SW-1 and SED-1



Photo #26: SED-2 sample location.

APPENDIX H

C.H. FENSTEMAKER ACOUSTIC IMAGING SURVEY

C. H. FENSTERMAKER & ASSOCIATES, INC.
Engineers · Surveyors
Environmental Consultants

November 16, 2009

Quaternary Resource Investigations, L.L.C.
13588 Florida Blvd.
Baton Rouge, LA 70819

Attention : Mr. Kern Rouly, P.G.

RE: Underwater Acoustic Imaging site investigation at Jones Point, Jean Lafitte National Historic Park, Jefferson Parish, Louisiana.

Fenstermaker was contracted by Quaternary Resource Investigations, L.L.C. to perform a water bottom site investigation at Jones Point in Jefferson Parish, Louisiana. The investigation was performed November 04 through November 06, 2009 aboard Fenstermaker's survey vessel Basin Boat #9.

The purpose of the survey was to locate and map obstructions, debris, and unusual and irregular features on the water bottom. The primary areas of interest were in near proximity of the bank of the water way at Jones Point where a shipyard had previously operated and in near proximity of the bank surrounding Bonne Isle, the island on the opposite side of the water way from the abandoned shipyard at Jones Point.

The equipment utilized to perform the survey were Real Time Differential GPS for positioning, and the Kongsberg Mesotech MS1000 digital, high resolution scanning sonar for water bottom imaging. The scanning sonar is utilized to scan the water bottom in a 360º panorama at a maximum scan range of 100 meters. The acoustic sonar sensor is deployed in a tripod frame with the acoustic transducer nominally 2 feet above the water bottom. The sonar operates at a frequency of 675 kHz and was operated with a scan step size of 0.45º. The sonar is only capable of detecting undulations in the water bottom and features located on or projecting above the water bottom.

The sonar was operated on the 100 meter, 75 meter, and 50 meter, scan ranges, and numerous deployments were performed in a pre-defined pattern to ensure 100% scan coverage of the area along Jones Point and surrounding Bonne Isle Island.

The sonar data indicated the bank line along Jones Point and surrounding Bonne Isle Island, water bottom scarring consistent with that typically resulting from vessel traffic, and sixteen areas containing signatures consistent with debris, resident on the water bottom. The majority of the debris is indicated by non-determinant signatures indicating objects protruding off of the water bottom. Three of the signatures are linear signatures that are characteristic of pipe and cable debris. These are located at "debris area 7", "Linear signature 1" and "Linear Signature 2". The signature observed at the "Target 1" location is characteristic of a sunken vessel hull. This feature is exhibiting a signature 33' long by 10' wide. The following is a table, listing all of the observed features, targets and target areas, corresponding geographic positions and descriptive comments.

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Debris Areas Containing a Few Features

Name	Easting (NAD83)	Northing (NAD83)	Latitude (NAD83)	Longitude (NAD83)	Comment
Debris Area 3	3,659,857	453,995	29º 44′ 34.65″	90º 08′ 20.27″	Two small targets the largest approx. 5′ long
Debris Area 4	3,659,568	453,597	29º 44′ 30.75″	90º 08′ 23.59″	Target approx. 30′ long. Possibly moored to wharf at one time
Debris Area 5	3,660,048	453,184	29º 44′ 26.60″	90º 08′ 18.19″	Cluster of indeterminate debris
Debris Area 6	3,660,430	453,505	29º 44′ 29.74″	90º 08′ 13.82″	Cluster of indeterminate debris
Debris Area 7	3,660,550	455,266	29º 44′ 47.17″	90º 08′ 12.25″	Possible pipe debris approx. 20′ long
Debris Area 8	3,660,566	455,083	29º 44′ 45.35″	90º 08′ 12.10″	Cluster of indeterminate debris
Debris Area 9	3,660,462	454,742	29º 44′ 41.99″	90º 08′ 13.32″	Cluster of indeterminate debris
Debris Area 10	3,660,212	454,213	29º 44′ 36.78″	90º 08′ 16.21″	Cluster of indeterminate debris
Debris Area 11	3,660,183	454,141	29º 44′ 36.06″	90º 08′ 16.55″	Cluster of indeterminate debris
Debris Area 12	3,660,097	454,203	29º 44′ 36.69″	90º 08′ 17.52″	Single article of debris
Debris Area 13	3,659,985	453,886	29º 44′ 33.56″	90º 08′ 18.83″	Cluster of indeterminate debris
Debris Area 14	3,659,399	453,452	29º 44′ 29.32″	90º 08′ 25.52″	Cluster of indeterminate debris
Debris Area 15	3,660,761	453,633	29º 44′ 30.98″	90º 08′ 10.05″	Single article of debris
Platform	3,660,326	454,919	29º 44′ 43.76″	90º 08′ 14.83″	Platform Pilings
Linear Signature 1	3,659,869	453,985	29º 44′ 34.55″	90º 08′ 20.14″	Possible pipe debris approx. 27′ long
Linear Signature 2	3,659,669	453,725	29º 44′ 32.00″	90º 08′ 22.43″	Possible cable or mooring line that seems to be attached to the wharf and debris in debris area 4
Wharf	3,659,643	453,785	29º 44′ 32.60″	90º 08′ 22.72″	Wharf Pilings

Target 1	3,659,314	453,267	29º 44’ 27.50”	90º 08’ 26.51”	Possible sunk vessel

Boundaries of Areas of Scattered Debris

Name	Easting (NAD83)	Northing (NAD83)	Latitude (NAD83)	Longitude (NAD83)	Comment
Debris Area 1 NE Corner	3,659,926	454,094	29º 44’ 35.63”	90º 08’ 19.47”	Area containing dense concentration of scattered debris
Debris Area 1 NW Corner	3,659,848	454,126	29º 44’ 35.95”	90º 08’ 20.36”	
Debris Area 1 SW Corner	3,659,817	454,056	29º 44’ 35.26”	90º 08’ 20.71”	
Debris Area 1 SE Corner	3,659,886	454,019	29º 44’ 34.89”	90º 08’ 19.93”	
Debris Area 2 NE Corner	3,659,845	454,037	29º 44’ 35.07”	90º 08’ 20.40”	Area containing dense concentration of scattered debris
Debris Area 2 NW Corner	3,659,795	454,061	29º 44’ 35.31”	90º 08’ 20.96”	
Debris Area 2 SW Corner	3,659,768	453,985	29º 44’ 34.56”	90º 08’ 21.27”	
Debris Area 2 SE Corner	3,659,819	453,958	29º 44’ 34.29”	90º 08’ 20.70”	

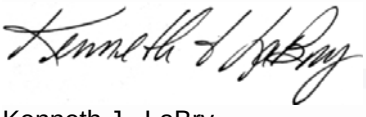
End Points of Linear Features

Name	Easting (NAD83)	Northing (NAD83)	Latitude (NAD83)	Longitude (NAD83)
Linear Signature 1 Start Point	3,659,885	454,006	29º 44’ 34.76”	90º 08’ 19.94”
Linear Signature 1 End Point	3,659,868	453,986	29º 44’ 34.56”	90º 08’ 20.14”
Linear Signature 2 Start Point	3,659,667	453,728	29º 44’ 32.03”	90º 08’ 22.46”
Linear Signature 2 End Point	3,659,576	453,631	29º 44’ 31.08”	90º 08’ 23.50”

Please call if you have any questions or need additional information.

Regards,

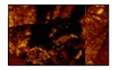
FENSTERMAKER



Kenneth J. LaBry
Manager, Underwater Acoustics Group

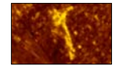
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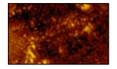


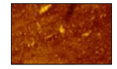

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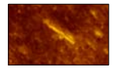

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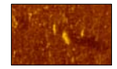

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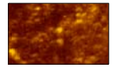

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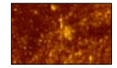

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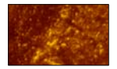

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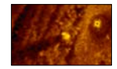

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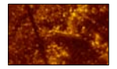

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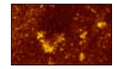

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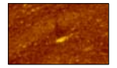

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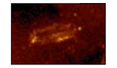

DEBRIS AREA 11
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DEBRIS AREA 12
NOT TO SCALE


DEBRIS AREA 13
NOT TO SCALE


DEBRIS AREA 14
NOT TO SCALE


DEBRIS AREA 15
NOT TO SCALE


TARGET 1
NOT TO SCALE

COORDINATES				
DEBRIS	EASTING (NAD 83)	NORTHING (NAD 83)	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
DEBRIS AREA 3	3,659,857'	453,990'	29°44'34.65"	90°08'20.27"
DEBRIS AREA 4	3,659,568'	453,787'	29°44'32.79"	90°08'23.05"
DEBRIS AREA 5	3,660,048'	453,184'	29°44'26.80"	90°08'18.19"
DEBRIS AREA 6	3,660,430'	453,505'	29°44'29.74"	90°08'13.80"
DEBRIS AREA 7	3,660,150'	455,266'	29°44'47.17"	90°08'12.29"
DEBRIS AREA 8	3,660,569'	455,083'	29°44'45.33"	90°08'12.10"
DEBRIS AREA 9	3,660,462'	454,742'	29°44'41.99"	90°08'13.32"
DEBRIS AREA 10	3,660,212'	454,213'	29°44'36.78"	90°08'16.21"
DEBRIS AREA 11	3,660,183'	454,141'	29°44'36.06"	90°08'16.55"
DEBRIS AREA 12	3,660,097'	454,203'	29°44'36.69"	90°08'17.32"
DEBRIS AREA 13	3,659,985'	453,886'	29°44'33.58"	90°08'18.83"
DEBRIS AREA 14	3,659,399'	453,452'	29°44'29.32"	90°08'25.52"
DEBRIS AREA 15	3,660,761'	453,633'	29°44'30.98"	90°08'10.05"
PLATFORM	3,660,326'	454,919'	29°44'43.76"	90°08'14.83"
LINEAR SIGNATURE 1	3,659,869'	453,985'	29°44'34.50"	90°08'20.14"
LINEAR SIGNATURE 2	3,659,669'	453,725'	29°44'32.00"	90°08'22.43"
WARF	3,659,643'	453,785'	29°44'32.60"	90°08'22.72"
TARGET 1	3,659,314'	453,267'	29°44'27.50"	90°08'26.51"

COORDINATES				
DEBRIS	EASTING (NAD 83)	NORTHING (NAD 83)	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
DEBRIS AREA 1 NE CORNER	3,659,926'	454,094'	29°44'35.63"	90°08'19.47"
DEBRIS AREA 1 NW CORNER	3,659,848'	454,126'	29°44'35.95"	90°08'20.36"
DEBRIS AREA 1 SW CORNER	3,659,817'	454,056'	29°44'35.26"	90°08'20.71"
DEBRIS AREA 1 SE CORNER	3,659,886'	454,019'	29°44'34.89"	90°08'19.93"
DEBRIS AREA 2 NE CORNER	3,659,840'	454,037'	29°44'35.07"	90°08'20.40"
DEBRIS AREA 2 NW CORNER	3,659,795'	454,061'	29°44'35.31"	90°08'20'96"
DEBRIS AREA 2 SW CORNER	3,659,768'	453,985'	29°44'34.56"	90°08'21.27"
DEBRIS AREA 2 SE CORNER	3,659,819'	453,958'	29°44'34.29"	90°08'20.70"

COORDINATES				
DEBRIS	EASTING (NAD 83)	NORTHING (NAD 83)	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
LINEAR SIGNATURE 1 START POINT	3,659,885'	454,006'	29°44'34.76"	90°08'19.94"
LINEAR SIGNATURE 1 END POINT	3,659,868'	453,986'	29°44'34.56"	90°08'20.14"
LINEAR SIGNATURE 2 START POINT	3,659,667'	453,728'	29°44'32.03"	90°08'22.46"
LINEAR SIGNATURE 2 END POINT	3,659,576'	453,631'	29°44'31.08"	90°08'23.50"

NAD 83 LOUISIANA SOUTH ZONE US FT

PLAN SCALE
SCALE: 1" = 100'
100 0 50 100

LEGEND

SURVEY BOUNDARY LIMITS PROVIDED BY QRI

QUATERNARY RESOURCE INVESTIGATIONS
JEAN LAFITTE NATIONAL HISTORIC PARK EXT.

JONES POINT
JEFFERSON PARISH, LOUISIANA

BASEMAP

NOTES:

Land Surveyors
Environmental Consultants
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