Final
Site Investigation Report
Soil and Groundwater Sampling
Building 44
U.S. Coast Guard Integrated Support Command
Alameda, California

August 19, 2008

Project No. 27-167

Prepared for:

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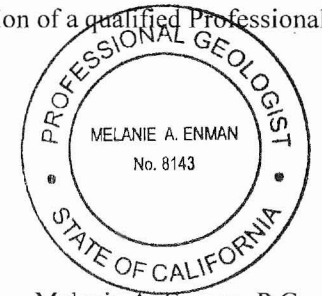
CERTIFICATION

This document was prepared under the direction and supervision of a qualified Professional Geologist



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Acronyms and Abbreviations

µg/g	micrograms per gram
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
ACEHS	Alameda County Environmental Health Services
ACWD	Alameda County Water District
B-qualified	estimated analytical concentrations identified in equipment blank sample
bgs	below ground surface
CFR	Code of Federal Regulations
COC	chain of custody
COPCs	chemical of potential concern
DQO	data quality objective
DPT	direct push technology
EPA	(U.S.) Environmental Protection Agency
ERRG	Engineering/Remediation Resources Group, Inc.
ESL	environmental screening level
ESL-Estuary	environmental screening levels for estuarine surface water bodies
ISC	Integrated Support Command
J-qualified	estimated analytical concentrations
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
PCB	polychlorinated biphenyl
PID	photoionization detector
PVC	polyvinyl chloride
SAP	Sampling Analysis Plan
SFRWQCB	San Francisco Bay Regional Water Quality Control Board
SI	Site Investigation
SLS	screening levels

Acronyms and Abbreviations *(continued)*

SVOCs	semivolatile organic compounds
TCA	trichloroethane
TDS	total dissolved solids
TPH-d	total petroleum hydrocarbons in the diesel range
TPH-g	total petroleum hydrocarbons in the gasoline range
TPH-O&G	total petroleum hydrocarbons in the oil and grease range
USA	Underground Service Alert
USCG	United States Coast Guard
UST	underground storage tank
VOCs	volatile organic compounds

Section 1. Introduction

Engineering/Remediation Resources Group, Inc. (ERRG) has prepared this Site Investigation (SI) Report for the U.S. Coast Guard (USCG) to summarize field activities conducted at a former underground storage tank (UST) adjacent to Building 44 at USCG Integrated Support Command (ISC) Alameda. The objective of the SI field activities was to characterize the vertical and horizontal extent of soil and groundwater contamination around the UST site and to provide recommendations to the USCG for actions that can be taken to reduce risks to human health and the environment. The lead regulatory agency overseeing the project is the Alameda County Environmental Health Services (ACEHS) department.

This report consists of the following seven sections:

- Section 1, Introduction
- Section 2, Site Background
- Section 3, Investigation Activities
- Section 4, Investigation Findings
- Section 5, Conclusions and Recommendations
- Section 6, References

Figures and tables are presented after Section 6. Appendices containing supporting information are provided after the figures and tables.

Section 2. Site Background

The UST site is located within USCG ISC Alameda, on the south-southwest side of Coast Guard Island, southeast of the intersection at McCullough Drive and Spencer Road (Figure 1). The UST site is bound by a parking lot located to the southeast, the Oakland Estuary and a USCG wharf to the southwest, Building 44 to the north, and Spencer Road to the northeast (Figure 2). Approximately 10 feet southwest of the site, riprap slopes from the parking lot pavement to the estuary, which is approximately 50 feet southwest of the site.

In 1985, a 10,000-gallon, double-walled fiberglass UST was installed on the southeast side of Building 44. The UST was approximately 8 feet in diameter and 30 feet long. Historically, the UST received bilge water and oily water from USCG ships through underground pipelines that ran to the piers at the wharf. Oily water and waste oil were periodically pumped out of the tank and disposed of off site (Tetra Tech, Inc., 2002). An oil/water separator was later installed which decanted most of the water for disposal to the sanitary sewer system before the waste oil was disposed of. The pipelines to the docks were later taken out of service and oily wastewater and waste oil was transported from the ships to the UST by tanker trucks (Tetra Tech, Inc., 2002).

As a result of the failure of the monitoring system that detected potential leaks from the UST, the UST and associated piping was removed in November 2001 (Tetra Tech, Inc., 2002). Two liquid sensors, one for the secondary containment and one for the liquid level in the tank, were removed and at least three pipes associated with the UST were either removed or sealed prior to tank removal. One pipe formerly used to drain oily water from the oily waste line to the tank was cut, triple rinsed, and sealed with epoxy. Two vent pipes that led to the northeastern corner of Building 44 were removed and disposed. The concrete above the UST was removed and disposed to an unknown location. A pea gravel-filled area approximately 7.5 feet deep, 16 feet wide, and 40 feet long (shown on Figure 2) was excavated and stockpiled northeast of the excavation. The tank was cleaned, and approximately 700 gallons of oily water, 200 to 300 gallons of sandy sludge, and 500 gallons of wastewater were removed from the tank and disposed of off-site. Straps that had been used to hold the UST down to an underlying concrete slab were severed during removal activities, which caused the UST to rise, floating on groundwater that had entered the excavation. The tank was removed and inspected. No holes were observed, but a black oily sheen was observed on groundwater, encountered at 7.5 feet below ground surface (bgs), in the excavation. Staining was observed near the manhole of the UST, but not near the associated pipes. The tank was cut into segments, and a total of 40 cubic yards of material was disposed of as nonhazardous

waste (Tetra Tech, Inc., 2002). The excavation was backfilled 2 days after the UST removal with a mixture of new, clean pea gravel, and previously excavated pea gravel. The site was then restored to its former condition as a parking lot.

Following removal of the UST, samples were collected to evaluate the nature and extent of contamination at the UST site and to request site closure (Tetra Tech, Inc., 2002). Four soil samples were collected from the bottom of the excavation pit and four soil samples were collected from the excavated gravel stockpile. One groundwater sample was also collected from the excavation. Soil and groundwater samples were analyzed for the following chemicals:

- Total petroleum hydrocarbons as gasoline (TPH-g)
- Total petroleum hydrocarbons as diesel (TPH-d)
- Total petroleum hydrocarbons as oil and grease (TPH-O&G)
- Benzene, toluene, ethylbenzene, and xylenes
- Fuel oxygenates
- Volatile organic compounds (VOCs)
- Semivolatile organic compounds (SVOCs)
- Metals (cadmium, chromium, lead, nickel, and zinc)

TPH-g results ranged from less than the reporting limit of 0.005 mg/kg to 290 mg/kg (sample location 1). TPH-d results in soil samples ranged from less than 1 mg/kg to 210 mg/kg (sample location 2). TPH-O&G results ranged from less than 50 mg/kg to 1,800 mg/kg (sample location 1). Chromium results ranged from 4 mg/kg to 39 mg/kg (sample location 2). Lead results ranged from less than 5 mg/kg to 20 mg/kg (sample location 2). Nickel results ranged from 15 mg/kg to 68 mg/kg (sample location 2). And zinc results ranged from 30 mg/kg to 57 mg/kg (sample location 2). VOC and SVOC results were only reported at sample location 1 and sample location 2 at 8 feet bgs (see Figure 2). Sample results for sample location 1 included 1,2,4-trimethylbenzene at 1,700 micrograms per kilogram (µg/kg); 1,1,2-trichloroethane (TCA) at 6,000 µg/kg; n-butylbenzene at 2,300 µg/kg; naphthalene (3,000 µg/kg); p-isopropyltoluene at 960 µg/kg; and sec-butylbenzene at 990 µg/kg (Tetra Tech, Inc., 2002). Sample results at sample location 2 included 1,2,4-trimethylbenzene at 9.4 µg/kg.

The groundwater sample collected from the bottom of the excavation exhibited elevated concentrations of TPH-d (100,000 micrograms per liter [µg/L]), TPH-g (190 µg/L), and TPH-O&G (41 milligrams per liter (mg/L).

Based on the elevated concentrations of 1,1,2-TCA in soil and TPH-d in groundwater, the ACEHS refused site closure (ACEHS, 2006). ACEHS requested that the USCG prepare a work plan to address the following comments:

- Characterize the vertical and horizontal extent of contamination at the UST site
- Collect soil and grab groundwater samples, including photoionization detector (PID) readings

- Prepare geologic cross sections
- Submit all analytical data to the State Water Resources Control Board Geotracker website

ERRG conducted the SI field activities in accordance with the project sampling and analysis plan (SAP) (ERRG, 2007) on behalf of the USCG in response to the ACEHS' requests (ACEHS, 2006).

2.1. GEOLOGY AND HYDROGEOLOGY

The UST site is situated within a parking lot at an elevation of approximately 11 feet above mean sea level (Tetra Tech, Inc., 2002). The topography is generally flat, and the shallow geology in the vicinity of the site consists of sandy clay with silt (fill), underlain by a silty clay, and sandy silt (Bay Mud). During the 2008 SI, groundwater was encountered at approximately 10 feet bgs. Section 4.3 presents a detailed evaluation of groundwater at the UST site.

Section 3. Investigation Activities

ERRG performed the following field activities to support the SI and to characterize the vertical and horizontal extent of soil and groundwater contamination, as directed by the ACEHS (2006):

- Prepared the project SAP
- Prepared a Site-Specific Health and Safety Plan
- Obtained drilling permits from Alameda County Water District (ACWD)
- Obtained utility clearance through Underground Service Alert (USA) and Precision Locating Services
- Advanced seven soil borings to depths between 13.5 and 35 feet bgs
- Collected soil, groundwater, and quality assurance/quality control samples, as well as data for temporary wells
- Analyzed soil and groundwater samples for COPCs (TPH-d, TPH-g, TPH-O&G, VOCs, SVOCs, metals, and polychlorinated biphenyls [PCBs])
- Prepared this SI Report, with conclusions and recommendations

3.1. PREPARATORY PROCEDURES

3.1.1. Sampling and Analysis and Site-Specific Health and Safety Plan

The SAP ("Sampling and Analysis Plan, Soil and Groundwater Sampling, Building 44 Site Investigation, U.S. Coast Guard Integrated Support Command Alameda, California" [ERRG, 2007]) was prepared to outline the procedures for the SI, to identify the data quality objectives and site screening levels for the site. The data quality objectives (DQOs) for this SI included collecting adequate data to characterize the vertical and horizontal extent of chemicals of potential concern (COPCs) present in soil and groundwater at the UST site. The COPCs evaluated include TPH-d, TPH-g, TPH-O&G, VOCs, SVOCs, metals, and PCBs. The seven-step DQO process developed by the U.S. Environmental Protection Agency (EPA) was used to develop the sampling design for this investigation (EPA, 2000). The seven-step process and applicable DQOs are presented in Table 1.

The San Francisco Bay Regional Water Quality Control Board (SFRWQCB) developed environmental screening levels (ESLs) for chemicals in soil and groundwater at sites located in the San Francisco Bay area (SFRWQCB, 2008). Although groundwater at the site is not suitable for drinking, based on conversations with the ACEHS, soil analytical results for this SI are compared with ESLs for shallow soils where groundwater is a current or potential source of drinking water for residential land use (see

Appendix A; SFRWQCB ESLs Table A in SFRWQCB, 2008). Similarly to the soil screening levels, groundwater analytical results are compared with (1) ESLs for shallow soils where groundwater is a current or potential source of drinking water (see Appendix A; SFRWQCB ESLs in SFRWQCB, 2008) and (2) ESLs for estuarine surface water bodies (ESL-Estuary) based on the close proximity (approximately 50 feet) of the UST site to the Oakland Estuary (see Appendix A; SFRWQCB Table F-2c in SFRWQCB, 2008). ESLs for soil, groundwater, and estuarine surface water are also provided in Appendix A.

It should be noted that the ESLs for both soil and groundwater were revised in May 2008 from the previous version dated November 2007, and the ESLs, and ESL-Estuary values drastically decreased for a large number of analytes. The analytical concentrations identified in this investigation were originally intended to be compared to the November 2007 ESL and ESL-Estuary values; however, in an effort to remain current with regulatory updates, the analytical concentrations were compared with the revised May 2008 values, resulting in more sample concentrations exceeding the ESLs and ESL-Estuary. Comparisons of analytical concentrations to ESLs and ESL-Estuary values are discussed in Sections 4 and 5.

If a chemical concentration in soil exceeded the reporting limit and no ESL was available, then the concentration was compared with EPA Region 9 screening levels (SLs) (EPA, 2008a). These values are also provided in Appendix A. Similar to the ESLs and ESL-Estuary values, the SLs used to compare some analytical concentrations for some analytes detected at the Site were also revised in May 2008 from the previous version dated October 2004. In an effort to remain current with regulatory SL revisions, the analytical concentrations were for select analytes were compared to the revised May 2008 values.

The Site Specific Health and Safety Plan ,Soil and Groundwater Sampling, Building 44 Site Investigation, U.S. Coast Guard Integrated Support Command Alameda, California was prepared by ERRG in November 2007 to identify potential hazards that may have been encountered during the SI and to protect the health and safety of SI personnel (ERRG, 2007).

3.1.2. Permits

A drilling and well permit (No. W2008-0058) was obtained from ACEHS prior to the installation of the soil borings. The ACEHS was provided 48 hours notice before borings and temporary piezometers were installed.

3.1.3. Utility Clearance

ERRG notified USA on February 7, 2008, prior to the advancement of the borings at the UST site. USA notified their team to mark the location of underground utilities owned and maintained by each company. Precision Locating Services was contracted by ERRG to mark all utilities at the UST site on February 13, 2008.

3.2. SOIL BORING ADVANCEMENT

On February 14 and 15, 2008, nine soil borings were advanced to depths between 3 feet bgs and 35 feet bgs. In accordance with the SAP, boring locations were spatially designed to characterize contamination associated with the former UST and to identify whether contamination migrated vertically to groundwater and horizontally within groundwater to the Oakland Estuary (Figure 2).

3.2.1. Soil Boring Locations

The boring locations were determined based on the location of the former UST, associated UST excavation boundaries, and concentrations of chemicals reported for the excavation samples collected during removal of the UST in 2001 (Tetra Tech, Inc., 2002). In accordance with the SAP, step out boring locations were advanced when refusal was encountered at a predetermined boring location and also when the northeastern, eastern and southeastern boring locations contained soil samples with elevated PID readings. In this situation, a step out boring was proposed to be advanced an additional 20 feet away (i.e., directionally farther from the UST area) from the boring that resulted in the observed contamination. Figure 2 presents the boring locations advanced at the UST site. Boring locations and associated rationale are provided below.

- Al-SB01 was advanced on the northeast side of the former excavation. Al-SB01 was proposed to be located outside the footprint of the former UST excavation; however, due to refusal and the close proximity of the boring to Spencer Road, it was impossible to advance the boring at the originally proposed location. Al-SB01 was relocated to the northwest, approximately 1 foot inside the footprint of the former excavation area. Al-SB01 was advanced to a total depth of 18 feet bgs.
- Al-SB02 was advanced approximately 5 feet to the northwest of the former UST and within an area of native soil just outside the former excavation area. The total depth of Al-SB02 is 25 feet bgs.
- Al-SB03 and Al-SB03a were advanced in the southeast portion of the former excavation area, where contamination was identified during removal of the UST in 2001 (Tetra Tech, Inc., 2002). Al-SB03 was advanced to a total depth of 25 feet bgs. Al-SB03a was advanced to a total depth of 35 feet bgs.
- Al-SB04 was initially advanced to 3 feet in a location outside and southwest of the excavation area; however, refusal occurred at 10 feet bgs and the location was relocated closer to the excavation area. Based on the concrete material observed from the boring advancement, it is believed that the excavation area extended to the southwest farther than was identified during the 2001 UST removal, and that Al-SB04 is actually located within a portion of the former excavation area. Al-SB04 was advanced to a total depth of 13.5 feet bgs.
- Al-SB04a was advanced to the northeast of Al-SB04, within the footprint of the former excavation area. Al-SB04a was advanced to a total depth of 13.5 feet; refusal was encountered because of an unidentified concrete barrier (potentially, riprap, concrete footing, or other debris).
- Al-SB05 was advanced to the west of the former UST, as close as possible to the Oakland Estuary. Al-SB05 was advanced to a total depth of 20 feet bgs.

- Al-SB06 was advanced to the south of the former UST, as close as possible to the Oakland Estuary. Al-SB06 was advanced to a total depth of 20 feet bgs. PID measurements collected at this boring indicated no soil contamination in these areas, so no step-out borings were advanced.
- Al-SB07 was advanced to the southeast of the former UST to a total depth of 20 feet bgs. PID measurements collected at this boring indicated no soil contamination in these areas, so no step-out borings were advanced.

These boring locations were selected to spatially characterize contamination around the former excavation area in soil and groundwater and evaluate the potential migration of contamination to the Oakland Estuary.

3.2.2. Boring Location Survey

All boring locations were surveyed with a Chicago Steel Tape Rotary Self Leveling Laser. Relative elevations were recorded to assist in the calculation of water levels in the wells. The local high point, Al-SB06, was used as the Site datum. Relative boring elevations are provided in Table 2.

3.2.3. Soil Boring Logging

Soil was logged in the field using the Unified Soil Classification System under the direct supervision of a California Professional Geologist. The geologist observed and recorded in the field boring log significant changes in subsurface material, changes in drilling conditions, changes in lithology, and water-producing zones. The field boring log was used to prepare graphical boring logs and cross sections for the site. These boring logs are provided in Appendix B. Lithologic descriptions include soil and rock type, color, grain size, texture, presence of hydrocarbons (including PID readings), and other pertinent information.

3.2.4. Photoionization Detector Measurements

A PID was used to screen for the presence of VOCs in the soil core samples to assess the need to drill additional step-out borings and to assist in determining the location of sample collection. A portion of the soil core was placed in a resealable plastic bag for 2 minutes to allow the VOCs to volatilize in the bag. A headspace measurement for total VOCs was collected from the sample by inserting the probe of the PID into the plastic bag. PID measurements were recorded on the boring logs.

3.3. SAMPLE COLLECTION

As shown in Tables 3 and 4, soil and groundwater samples were identified with the following designation:

- Unique sample identification in the format of: "Location Abbreviation-Soil Boring and Sample Number-Sample Depth" (e.g., Al-SB01-10)
  - location abbreviation shows where the sample was collected (e.g., Al = Alameda)
  - soil boring number (e.g., SB01 = Soil Boring Number 01)
  - sample collection depth (e.g. 10 = 10 feet bgs)

For collection of groundwater samples, the same sample designation was used; however, the sample depth was omitted and a "W" was added to the sample designation to denote a groundwater sample (e.g., Al-SB01-W)

3.3.1. Soil Sample Collection

In total, 20 soil samples were collected from the seven out of the nine borings advanced at the site. Soil samples were collected in areas where visually identified soil discoloration or PID measurements indicated potential soil contamination.

Subsurface soil was collected using direct-push technology (DPT) sampling equipment. DPT sampling equipment allowed the borings to be continuously cored to describe the lithology and collect samples at discrete intervals. The DPT sampling equipment consisted of a 3-foot-long 2-inch diameter drive casing with an inner sample barrel that has an inner sample sleeve (acetate liner). These components were simultaneously hammered into the subsurface at 3-foot intervals. After advancing 3 feet, the sample barrel and acetate liner were retrieved while the drive casing remained in the ground. The sample barrel with a new acetate sleeve was then placed back into the drive casing and driven 3 additional feet. The soil lithology was logged, and samples were collected from the core contained in the acetate sleeve. This procedure was followed in each boring to a depth between 15 and 35 feet bgs. Soil samples were collected for analyses based on first encounter with groundwater (approximately 10 feet bgs), visual staining in conjunction with PID readings, and at the final depth of each boring. All soils were visually inspected for the presence of free phase petroleum product; however, no free phase product was identified.

A soil sample was collected by cutting a 6-inch section from the acetate sleeve and capping the ends with Teflon squares and plastic end caps. Each soil sample was labeled for identification, including the boring designation, time of sampling and depth of sample, entered onto the chain of custody (COC) sample register, stored in a cooler with ice to remain cold and transported to Test America, Inc. (Test America) of Pleasanton, California, analytical laboratory via laboratory currier.

3.3.2. Grab Groundwater Sample Collection

Seven grab groundwater samples were collected from six of the nine borings advanced at the UST site (Figure 2). No groundwater samples were collected from Al-SB04 or Al-SB04a due to refusal and poor recovery, respectively, at those locations. One groundwater sample and a duplicate groundwater sample (Al-SB20-W) were collected from Al-SB02. All groundwater grab samples were collected from the temporary monitoring well casings and screens installed in the borings.

Polyvinyl chloride (PVC) well casings and screens (1-inch and 0.75-inch-diameter) were temporarily installed in the soil borings to collect grab groundwater samples. The PVC casing and screen construction varied depending on the boring depth. In most situations, the PVC was constructed with 5 to 15 feet of PVC screen, with 0.010-inch slots and sufficient blank casing to complete the temporary well to

the surface. Grab groundwater samples were collected using a peristaltic pump and clean decontaminated silicon tubing as soon as the temporary well was installed. Section 4.3 summarizes the evaluation of groundwater.

Groundwater samples were placed in the appropriate sample container, labeled for identification, including boring designation and time of sampling, logged onto the COC form, and stored in a cooler with ice for transport to the analytical laboratory.

3.3.3. Field Quality Assurance/Quality Control Samples

One field duplicate groundwater sample (Al-SB20-W) and one soil duplicate sample (Al-SB27-15) were collected at the same time as the related sample (Al-SB02-W and Al-SB07-15, respectively).

3.3.4. Temporary Monitoring Well Data Collection

Four borings (Al-SB01, Al-SB02, Al-SB03a, and Al-SB04) were proposed as the locations where temporary wells would be installed to monitor the effects of the tidal fluctuations from the nearby Estuary on the water table and identify groundwater levels downgradient from the site. However, due to refusal in two attempts at Al-SB04 and Al-SB04a, no soil or groundwater samples were collected and a temporary monitoring well was not installed in these borings. Al-SB05 was used as the replacement temporary well for Al-SB04. The locations of the temporary monitoring wells are shown on Figure 2.

The four boring locations (Al-SB01, Al-SB02, Al-SB03a, and Al-SB05) represented one wall of the former UST excavation area: two within the native soil and two within the footprint of the former excavation. Water level meters were installed in the temporary wells and operated for 72 hours to monitor and evaluate groundwater elevation changes within the vicinity of the former UST area. Section 4.3 summarizes the evaluation of groundwater at the site.

Following installation of the temporary wells, a Solinist Levelogger® model 3001 was installed in each of the four (Al-SB01, Al-SB02, Al-SB03a, and Al-SB05) temporary well screens to monitor water table fluctuations. All monitoring equipment was properly calibrated to ensure data were collected accurately. The Solinist Levelogger® monitoring equipment contained an internal memory and recorded water level fluctuations over a designated time frame. All monitoring equipment was installed in the temporary wells for a total of 72 hours. Following the 72-hour time period, water level data from the monitoring equipment memory were downloaded to a personal computer. Once the data were collected, the temporary monitoring wells were destroyed by removing the PVC casing from the ground and the borings were abandoned, as described in Section 3.4. The water level data were used to evaluate the estuary's tidal fluctuations on the water table at the site. Section 4.3 summarizes the evaluation of groundwater elevations at the site.

3.4. SOIL BORING ABANDONMENT

On February 15, 2008, after borings were advanced and soil and groundwater samples were collected, borings Al-SB03 (soil sampling only), Al-SB04, Al-SB04a, Al-SB06, and Al-SB07 were abandoned in accordance with ACWD abandonment requirements (ACWD, 2007). On February 19, 2008, after samples were collected and groundwater elevations were monitored, borings Al-SB01, Al-SB02, Al-SB03a, and Al-SB05 were also abandoned in accordance with ACWD abandonment requirements (ACWD, 2007). Each borehole was inspected immediately prior to abandonment, and any obstructions were removed. Each borehole was filled with cement-bentonite grout, which was placed by tremie pipe from the bottom of the boring upward, which prevented freefall, bridging, and dilution of sealing materials. The grout was placed in one continuous operation (or pour). No drill cuttings were used to backfill the boreholes. Water used to prepare grout mixtures was from a clean, uncontaminated water source.

3.5. SAMPLING HANDLING AND SHIPMENT

All soil and water samples were packaged in coolers with ice in accordance with the project SAP. Soil and water samples were collected by courier on February 14, and 15, 2008, and transported to TestAmerica, Inc. located in Pleasanton, CA, a State of California Department of Health Services (DHS), Environmental Laboratory Accreditation Program (ELAP) certified laboratory pursuant to ASTM International Method D4840 for COC protocols (ASTM International 1999).

3.6. MANAGEMENT OF INVESTIGATION-DERIVED WASTE

Small quantities of investigation-derived waste were generated during the SI and required appropriate on-site and off-site management. These materials and wastes were generated during drilling and execution of associated support operations (i.e., equipment decontamination, sampling, etc.). All wastes, soil, and water were deposited into one 55-gallon drum. The contents inside the drum totaled one-half of the drum volume. The drum lid was fastened on the drum when it was not being filled, and was secured at the end of each workday. The drum was labeled once drilling at the site was completed. One composite sample was collected for profiling and characterization and analyzed for TPH-g by EPA Method 8260 and lead by EPA Method 6010B (EPA, 2008b). On April 9, 2008, the drum was disposed of at Altamont Landfill in Livermore, California, as Class II nonhazardous waste under profile number 55494300 (Appendix C).

3.7. SAMPLE ANALYSIS

Both soil and groundwater samples were analyzed for the site COPCs: Soil samples were analyzed for the following COPCs by the following analyses:

- TPH-d (by EPA Method 8015B) (EPA, 2008b)
- TPH-O&G (by EPA Method 9071B) (EPA, 2008b)
- TPH-g (by EPA Method 8260B) (EPA, 2008b)

- VOCs (by EPA Method 8260B) (EPA, 2008b)
- SVOCs (by EPA Method 8270C) (EPA, 2008b)
- Metals (by EPA Method 6010B) (EPA, 2008b)
- Mercury (by EPA method 7471A) (EPA, 2008b)
- PCBs (by EPA Method 8082) (EPA, 2008b)

Groundwater samples were analyzed for the following COPCs by the following analyses:

- TPH-d (by EPA Method 8015B) (EPA, 2008b)
- TPH-O&G (by EPA Method 1664A) (EPA, 2008b)
- TPH-g (by EPA Method 8260B) (EPA, 2008b)
- VOCs (by EPA Method 8260B) (EPA, 2008b)
- SVOCs (by EPA Method 8270C) (EPA, 2008b)
- Metals (by EPA Method 6010B) (EPA, 2008b)
- Mercury (by EPA method 7470A) (EPA, 2008b)
- PCBs (by EPA Method 8082) (EPA, 2008b)

Field duplicates also were analyzed by TestAmerica, Inc. for TPH, VOCs, SVOCs, metals, and PCBs by the methods described above.

Section 4. Investigation Findings

All field investigation activities were conducted from February 14 through February 19, 2008. Complete laboratory analytical reports are presented in Appendix D. Laboratory analytical results for both soil and groundwater are provided in Tables 3 and 4, respectively. The ESLs selected for comparison purposes are also provided in Tables 3 and 4, as well as Appendix A. Some ESLs have lower values than the analytical reporting limits provided by TestAmerica, Inc. To help clarify whether COPCs were detected at concentrations less than the analytical reporting limits, ERRG requested that TestAmerica, Inc. provide estimated analytical concentrations (J-qualified) less than reporting limits, but greater than the method detection limits, for the suite of chemicals with ESLs less than the reporting limits. Tables 3 and 4 document all J-flag results for the following analyses:

Soil Samples

VOCs by EPA Method 8260B

SVOCs by EPA Method 8270C

Groundwater Samples

TPH-O&G by EPA Method 1664A

VOCs by EPA Method 8260B

SVOCs by EPA Method 8270C

PCBs by EPA Method 8082

All detections reported greater than the analytical reporting limit are provided in bold font in Tables 3 and 4. All J-qualified detections are provided in standard, non-bold font, unless J-qualified values were reported at concentrations greater than the ESL; in this case, the analytical concentrations are provided in bold font.

Additionally, Tables 3 and 4 list all estimated analytical concentrations that were identified in the equipment blank sample collected from the Site (B-qualified). A B-qualified concentration indicates that an estimated concentration was reported in a sample and also in a TestAmerica, Inc. equipment blank sample that was collected from the machine used to conduct the analysis. This result indicates that the estimated concentration may not be from contamination in soil or groundwater but may be from the laboratory analytical machine used to analyze the sample.

The investigation findings presented below discuss all analytical concentrations exceeding their respective reporting limits and ESLs. However, J-qualified concentrations are only discussed in the text when they exceed the ESL for a particular chemical. Similarly, B-qualified concentrations are only discussed when estimated analytical concentrations exceed the ESL for particular chemical.

4.1. SOIL SAMPLE RESULTS

In total, of 20 soil samples, including one duplicate soil sample, were collected from 7 of the 9 soil borings advanced at the UST site. Soil samples were analyzed for COPCs as discussed in Section 3.7. Boring locations and analytical data are shown on Figure 3. Laboratory analytical data are also shown in Table 3.

In accordance with the project SAP (ERRG, 2007), chemical concentrations were compared to the most recent ESLs for soil as discussed in Section 3.1.1 (SFRWQCB, 2008).

4.1.1. Total Petroleum Hydrocarbons as Diesel, EPA Method 8015B

Twelve of the 20 samples collected exhibited TPH-d concentrations exceeding the analytical reporting limit (ranging from 1.1 mg/kg to 5,000 mg/kg). One sample, Al-SB02-10, exhibited a TPH-d concentration of 5,000 mg/kg, which exceeds the ESL (83 mg/kg); no other samples had TPH-d concentrations exceeding the ESL.

In total, seven of the 20 soil samples were collected between 10 and 12 feet bgs, which is the approximate location of the groundwater table within the vicinity of the UST site. The maximum concentration of TPH-d (5,000 mg/kg) was found in soil sample Al-SB02-10. The second highest TPH-d concentration (25 mg/kg) was found in sample Al-SB01-10. TPH-d concentrations in samples Al-SB03a-10 and Al-SB03-12 were 5.2 mg/kg and 8.1 mg/kg, respectively. No TPH-d concentrations exceeded the reporting limit in samples Al-SB06-10 (reporting limit 1.0 mg/kg), Al-SB06-10 (reporting limit 1.0 mg/kg), and Al-SB07-10 (reporting limit 0.99 mg/kg).

In total, nine of the 20 soil samples were collected from depths between 15 and 20 feet bgs. TPH-d concentrations in soil samples from this depth interval ranged from less than the reporting limit of 1.0 mg/kg to 5.8 mg/kg, with an average of 2.3 mg/kg. The highest TPH-d concentration (5.8 mg/kg) in the 15-to-20-foot depth interval was detected in sample Al-SB07-15. However, this concentration is below the ESL of 83 mg/kg.

In total, four of the 20 samples (Al-SB02-25, Al-SB03a-25, Al-SB03a-30, and Al-SB03a-35) were collected from between 25 and 35 feet bgs at two boring locations (Al-SB02 and Al-SB03a). TPH-d concentrations in the four samples ranged from less than the reporting limit in Al-SB02-25 (0.99 mg/kg) and Al-SB03a-30 (<1.0 mg/kg) to above the reporting limit in Al-SB03a-25 (2.2 mg/kg) and Al-SB03a-35 (7.0 mg/kg). All of these concentrations are below the ESL of 83 mg/kg.

4.1.2. Total Petroleum Hydrocarbons as Oil and Grease, EPA Method 9071B

One soil sample (Al-SB02-10) exhibited a TPH-O&G concentration (4,700 mg/kg) exceeding the reporting limit of 100 mg/kg. This elevated concentration also exceeded the ESL of 370 mg/kg. No other soil samples collected exhibited detectable concentrations of TPH-O&G.

4.1.3. Total Petroleum Hydrocarbons as Gasoline, EPA Method 8260b

TPH-g was detected at concentrations exceeding the laboratory reporting limit in 3 of the 20 samples collected, ranging from 0.99 mg/kg to 5.3 mg/kg. The concentration of 0.99 mg/kg was reported in sample Al-SB-01-10. TPH-g was reported at 5.3 mg/kg in sample Sl-SB02-10, and at 1.3 mg/kg in sample Al-SB03a-35. All three detected concentrations were less than the ESL of 83 mg/kg. No other soil samples collected exhibited detectable concentrations of TPH-g.

4.1.4. Volatile Organic Compounds, EPA Method 8260b

Five of the 20 samples collected exhibited VOC concentrations exceeding the laboratory analytical reporting limit.

Five of the 20 samples collected exhibited acetone concentrations exceeding the reporting limit. A J- and B-qualified concentration for acetone was reported in sample Al-SB06-20 at a concentration of 4,700 µg/kg, which exceeds the ESL of 500 µg/kg. However, a J- and B-qualified concentration is likely the result of contaminants on the laboratory analytical equipment. An acetone concentration (64 µg/kg) exceeded the reporting limit in sample Al-SB03a-30. This concentration is less than the ESL of 500 µg/kg.

n-Butylbenzene was reported at a concentration of 21 µg/kg in sample Al-SB02-10. No ESL or EPA SL is available for n-butylbenzene.

Carbon disulfide concentrations (7.5 and 9 µg/kg) were reported in soil samples AL-SB03a-25 and Al-SB03a-30, respectively. No ESL is available for carbon disulfide; however, both of these reported concentrations are less than the EPA SL (670,000 µg/kg) (EPA, 2008b).

Naphthalene was reported at 17 µg/kg in sample Al-SB02-10, this concentration is less than the ESL of 1,300 µg/kg. Naphthalene was also reported in Al-SB06-20, at a concentration of 5,100 µg/kg, which exceeds the ESL of 1,300 µg/kg.

A 1,2,3-trichloropropane concentration (92 µg/kg) was reported in a duplicate sample (Al-SB27-15) collected from location Al-SB07-15. No ESL is available for 1,2,3-trichloropropane; however, this concentration slightly exceeds the EPA SL of 91 µg/kg. This chemical was not detected above the reporting limit of 5.0 µg/kg in duplicate sample Al-SB07-15 collected from the same location.

1,2,4-Trimethylbenzene was reported at 10 µg/kg in sample Al-SB02-10. No ESL is available for 1,2,4-trimethylbenzene; however, the reported concentration is less than the EPA SL of 67,000 µg/kg.

4.1.5. Semivolatile Organic Compounds, EPA Method 8270C

Naphthalene was detected at a concentration of 0.44 mg/kg, which exceeds the reporting limit of 0.067 mg/kg, in sample Al-SB06-20. This concentration is less than the ESL of 1.3 mg/kg. A 2-methlynapthalene concentration of 1.5 mg/kg was reported as J-qualified in sample Al-SB02-10. The J-qualified concentration exceeds the ESL of 0.25 mg/kg for 2-methlynapthalene. No other SVOCs were detected at concentrations exceeding ESLs.

4.1.6. Metals, EPA Method 6010B, and Mercury, Method 7471A

Metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver) were analyzed by EPA Method 6010B. Mercury was analyzed by EPA method 7471A. The table below lists all metals concentrations exceeding the laboratory reporting limit. These concentrations are also presented in Table 3.

Sample ID No.	Arsenic (mg/kg)	Barium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)
Al-SB01-10	**2.1**	73	22	4.1	--
Al-SB01-18	**3.5**	55	18	4.0	0.083
Al-SB02-10	**1.7**	100	42	4.4	0.093
Al-SB02-25	--	18	24	1.3	--
Al-SB03-12	**2.1**	29	12	1.9	0.2
Al-SB03-20	**2.8**	34	29	3.6	--
Al-SB03a-10	**2.5**	77	47	2.7	--
Al-SB03a-15	**4.9**	73	44	3.7	--
Al-SB03a-20	**4.5**	71	37	6.5	0.11
Al-SB03a-25	**3.5**	23	46	4.3	--
Al-SB03a-30	**5.1**	32	47	14	0.068
Al-SB03a-35	**1.9**	50	18	3.4	--
Al-SB05-10	**1.8**	110	36	2.5	0.050
Al-SB06-10	**1.3**	59	34	2.5	0.078
Al-SB06-15	**1.5**	54	35	2.6	--
Al-SB06-20	**2.8**	47	37	4.6	0.057
Al-SB07-10	**4.3**	110	49	**290**	--
Al-SB07-15	**4.8**	91	51	14	0.18
Al-SB27-10	**4.1**	110	49	9.2	--

Note:
-- = chemical not detected in sample
Metals concentrations exceeding the ESL are shown in **bold font**.

Two of the eight metals analyzed, arsenic and lead, were reported at concentrations greater than their respective ESLs. Arsenic exceeded the reporting limit in 19 of the 20 samples collected. Concentrations of arsenic ranged from 1.3 mg/kg to 5.1 mg/kg. All 19 concentrations exceeded the ESL of 0.39 mg/kg. Lead was reported at concentrations exceeding the reporting limit in all 20 samples collected. Concentrations of lead ranged from 1.3 mg/kg to 290 mg/kg. One soil sample, Al-SB07-10, contained lead at a concentration (290 mg/kg) exceeding the ESL of 200 mg/kg.

Barium and chromium were detected at concentrations greater than the reporting limit in all twenty samples collected. All of the samples collected and analyzed for barium contained concentrations less than the ESL of 750 mg/kg. All chromium concentrations were less than the ESL of 750 mg/kg.

Cadmium, selenium, and silver were not detected at concentrations exceeding the reporting limits; these concentrations ranged from 0.48 to 0.53 mg/kg for cadmium, 1.9 to 2.1 mg/kg for selenium, and 0.95 to 1.1 mg/kg for silver.

Mercury was detected in 9 of the 20 samples collected. All detected concentrations were less than the ESL of 1.0 mg/kg.

4.1.7. Polychlorinated Biphenyls, EPA Method 8082

No PCBs were detected at concentrations exceeding the reporting limits of 49 to 50 µg/kg in any of the soil samples collected. Therefore, all concentrations were less than the ESL of 220 µg/kg for PCBs.

4.2. GROUNDWATER SAMPLE RESULTS

In total, seven groundwater samples, including one duplicate groundwater sample, were collected from six of the nine borings advanced at the site; no sample was collected at Al-SB04 and Al-SB04a due to refusal. No groundwater sample was collected from Al-SB03a because one sample was collected from Al-SB03 for that location. Boring locations and analytical data are shown on Figure 4. Laboratory analytical data are also shown on Table 4. Groundwater samples were analyzed for COPCs as discussed in Section 3.7:

In accordance with the project SAP (ERRG, 2007), chemical concentrations were compared with the most recent ESLs and ESL-Estuary for groundwater (SFRWQCB, 2008).

4.2.1. Total Petroleum Hydrocarbons as Diesel, EPA Method 8015B

All of the groundwater samples exhibited TPH-d concentrations exceeding the reporting limits (ranging from 130 µg/L to 1,200 µg/L) and the ESL of 100 µg/L. Six of the seven samples collected exhibited concentrations exceeding the ESL-Estuary of 210 µg/L and are listed below.

- Al-SB02-W: 1,200 / 710 (field duplicate) µg/L
- Al-SB01-W: 950 µg/L
- Al-SB03-W: 770 µg/L
- Al-SB05-W: 600 µg/L
- Al-SB06-W: 470 µg/L
- Al-SB07-W: 130 µg/L

4.2.2. Total Petroleum Hydrocarbons as Oil and Grease, EPA Method 1664A

One (Al-SB07-W) of the seven groundwater samples collected exhibited a TPH-O&G concentration (2,700 µg/L) exceeding the reporting limit of 2,000 µg/L; this concentration also exceeded the ESL of 100 µg/L and the ESL-Estuary of 210 µg/L. Five additional TPH-O&G concentrations were reported as J-qualified and are listed below. All of these J-qualified concentrations exceeded the ESL of 100 µg/L, and the ESL-Estuary of 210 µg/L.

- Al-SB07-W: 2,700 µg/L
- Al-SB05-W: 1,900 J µg/L
- Al-SB02-W: 1,500 J / 0.64 J (field duplicate) µg/L
- Al-SB01-W: 1,500 J µg/L
- Al-SB03-W: 1,000 J µg/L

4.2.3. Total Petroleum Hydrocarbons as Gasoline, EPA Method 8260B

TPH-g was detected above the reporting limit of 50 µg/L at concentrations ranging from 71 µg/L to 79 µg/L in three of the seven samples collected. Two samples, Al-SB02-W and Al-SB20-W (duplicate), exhibited a concentration of 71 µg/L, which is less than the ESL of 100 µg/L and the ESL-Estuary of 210 µg/L. A TPH-g concentration of 79 µg/L was reported in groundwater sample Al-SB03-W. This concentration is less than both the ESL and ESL-Estuary of 100 µg/L and 210 µg/L, respectively.

4.2.4. Volatile Organic Compounds, EPA Method 8260B

Three of the seven groundwater samples collected exhibited VOC concentrations exceeding the reporting limits. All of the VOC exceedances were less than both the ESL and ESL-Estuary for the specific chemical or no ESL or ESL-Estuary was available. The following list summarizes the VOC concentrations that exceeded the respective reporting limit and how the concentration compares to the ESL or ESL-Estuary value for that chemical:

- **Al-SB02-W**
  - 1,2,4-trimethylbenzene was reported at 0.83 µg/L. No ESL or ESL-Estuary is available for this chemical. An ESL level of 15 µg/L for tap water is available. The concentration reported for this sample does not exceed the tap water ESL.
- **Al-SB06-W**
  - Benzene was reported at 0.83 µg/L, which is less than the ESL of 1.0 µg/L and the ESL-Estuary of 46 µg/L. However, the concentration was qualified as a blank detection ("B"); therefore, laboratory equipment was likely the source of benzene.
  - Ethylbenzene was reported at 0.68 µg/L, which is less than the ESL and ESL-Estuary of 30 µg/L.
  - Naphthalene was reported at 16 µg/L, which is less than the ESL of 17 µg/L and the ESL-Estuary of 21 µg/L.
  - Toluene was reported at 0.61 µg/L, which is less than the ESL and ESL-Estuary of 40 µg/L
  - Xylenes (total) was reported at 1.6 µg/L, which is less than the ESL of 20 µg/L and ESL-Estuary of 100 µg/L.
- **Al-SB07-W**
  - Xylenes (total) was reported at 1.7 µg/L, which is less than the ESL of 20 µg/L and ESL-Estuary of 100 µg/L.

4.2.5. Metals, EPA Method 6010B, and Mercury, EPA Method 7471A

Groundwater samples were analyzed for metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver) by EPA Method 6010B. Mercury was analyzed for by EPA Method 7471A.

Five (arsenic, barium, chromium, lead, and mercury) of the eight metals analyzed were detected at concentrations exceeding their respective ESL and ESL-Estuary.

Arsenic concentrations exceeded the reporting limit (0.005 mg/L) in three (Al-SB02-W, Al-SB05-W, and Al-SB06-W) of the seven samples collected. These exceedances were 0.031 mg/L, 0.038 mg/L, and 0.0077 mg/L, respectively. The maximum concentration of 0.038 mg/L detected in Al-SB-05-W exceeded the ESL of 0.036 mg/L and the ESL-Estuary of 0.00014 mg/L. The concentrations detected in Al-SB02-W (0.031 mg/L) and Al-SB06-W (0.0077 mg/L) are less than the ESL but exceed the ESL-Estuary.

Barium concentrations exceeded the reporting limit in all seven samples, ranging from 0.26 mg/L to 1.9 mg/L. The maximum concentration (1.9 mg/L), reported from sample Al-SB05-W, exceeded the ESL and ESL-Estuary of 1.0 mg/L. All other barium concentrations were less than the ESL and ESL-Estuary.

No cadmium, selenium, and silver concentrations in any of the samples exceeded their respective reporting limits of 0.0020 mg/L, 0.0050 mg/L, and 0.0050 mg/L.

Chromium concentrations exceeded the laboratory reporting limit in all seven samples, ranging from 0.0057 mg/L to 0.55 mg/L. Three concentrations (0.55 mg/L, 0.48 mg/L, and 0.054 mg/L) from samples Al-SB05-W, Al-SB02-W, and Al-SB06-W exceeded the ESL of 0.05 mg/L. Concentrations reported in Al-SB05-W and Al-SB02-W also exceeded the ESL-Estuary of 0.18 mg/L.

Lead concentrations exceeded the reporting limit in four of the seven samples collected, ranging from 0.0053 mg/L to 0.067 mg/L. All four concentrations (Al-SB02-W, 0.067 mg/L; Al-SB05-W, 0.057 mg/L; Al-SB06-W, 0.029 mg/L; and Al-SB01-W, 0.0053 mg/L) exceeded the ESL and ESL-Estuary of 0.0025 mg/L.

Mercury concentrations were reported in two of the seven samples collected from the UST site: Al-SB02-W (0.00065 mg/L) and Al-SB05-W (0.00077 mg/L). Both concentrations exceeded the ESL and ESL-Estuary of 0.000025 mg/L.

4.2.6. Semivolatile Organic Compounds, EPA Method 8270C

Benzoic acid and naphthalene concentrations exceeded laboratory reporting limits in 2 of the 7 samples collected, Al-SB02-W and Al-SB06-W. Benzoic acid was reported in Al-SB02-W at a concentration of 13 µg/L. No ESL or ESL-Estuary is available for this chemical. No EPA SL is available for groundwater; however, an EPA SL for tap water of 150,000 µg/L is available (EPA, 2008b). The benzoic acid concentration of 13 µg/L in Al-SBO2-W is less than the EPA SL for tap water. Naphthalene was

reported in AL-SB06-W at a concentration of 11 µg/L, which is less than the ESL of 17 µg/L and also less than the ESL-Estuary of 21 µg/L.

Six SVOCs were reported as J-qualified, with concentrations exceeding the ESL or ESL-Estuary for the respective chemical, as listed below.

- Bis(2-ethylhexyl)phthalate was reported at an estimated concentration of 7.7 µg/L in sample Al-SB03-W, which exceeds the ESL of 4 µg/L and the ESL-Estuary of 5.9 µg/L.
- Benzo(b)fluoranthene was reported at an estimated concentration of 0.56 µg/L in Al-SB07-W, which exceeds the ESL and the ESL-Estuary of 0.029 µg/L.
- Benzo(a)pyrene was reported at an estimated concentration of 0.66 µg/L in Al-SB07-W, which exceeds the ESL and the ESL-Estuary of 0.014 µg/L.
- Benzo(g,h,i)perylene was reported in Al-SB07-W at an estimated concentration of 1.1 µg/L, which exceeds the ESL and ESL-Estuary of 0.1 µg/L.
- Chrysene was reported at an estimated concentration of 0.3 µg/L in Al-SB07-W, which is less than the ESL of 0.35 µg/L but exceeds the ESL-Estuary of 0.049 µg/L.
- Diethyl phthalate was reported at an estimated concentration of 5.9 µg/L in Al-SB02-W, which exceeds the ESL and the ESL-Estuary of 1.5 µg/L.

No other SVOCs were detected at concentrations exceeding their respective reporting limits.

4.2.7. Polychlorinated Biphenyls, EPA Method 8082

No PCBs were detected at concentrations exceeding the reporting limits, ranging from 0.51 to 0.63 µg/L, in any of the groundwater samples collected. During analysis, the reporting limits for all PCBs exceeded the ESL of 0.014 µg/L and the ESL-Estuary of 0.00017 µg/L for each compound. However, based on the lack of historical documentation indicating the UST was used for PCB contaminated oil and the lack of soil and groundwater detections, there is no indication that PCB contamination exists at the site.

4.3. GROUNDWATER EVALUATION

As stated in Section 3.3.4, temporary wells were installed in six borings to collect groundwater samples. During this time, groundwater levels were recorded. Relative groundwater elevation measurements collected during the SI activities are presented on Figure 5. Boring survey data, groundwater elevations, and relative elevations are shown on Table 2. Piezometers remained in the borings at four (Al-SB01, Al-SB02, Al-SB03a, and Al-SB05) of the six locations, and water levels were recorded over a (72-hour) period (3 days). Figure 6 shows the changes in water levels in these four wells over this 72-hour period.

The lowest groundwater elevation at the site was recorded at Al-SB07; therefore, the groundwater elevation at Al-SB07 was considered to be 0.0 feet and all other groundwater elevations were calculated relative to Al-SB07. Please refer to Table 2 for calculations of groundwater elevations and Figure 5 for relative water elevations.

Excluding groundwater elevations in the former UST area, groundwater elevations were observed to be lower in areas closer to the Oakland Estuary, indicating that groundwater in native soil surrounding the tank area is traveling toward the estuary. Groundwater surface elevations are as much as 2 feet higher in the vicinity of the former UST excavation than in the surrounding borings. Groundwater has likely infiltrated from the surface through the asphalt and collected in the former UST excavation area. This infiltration is evident by the sharp decline in groundwater potentiometric surface elevations in borings advanced in native soil relative to soil borings advanced in the former UST excavation area. Based on this difference in elevations over a short distance, it appears that groundwater in the former UST area is not actively communicating with the surrounding groundwater. This lack of communication is shown on Figure 6, which illustrates that over the 72-hour period two locations Al-SB01 and Al-SB03a within the former UST area did not respond to semidiurnal tidal fluctuations, whereas locations Al-SB02 and Al-SB05 within native sediment at the site fluctuated by as much as 0.43 feet and 1.4 feet, respectively. The sediment along the boundaries of the former UST excavation area consists of mostly fine-grained sands and act as a low-permeable barrier, trapping groundwater in the former UST area and preventing it from actively communicating with the surrounding groundwater.

Monitoring results showed water level fluctuations in Al-SB02 and Al-SB05 that correspond to the semidiurnal tidal fluctuations that occurred in the estuary (Figure 6). However, water levels in Al-SB01 and Al-SB03a did not correspond to semidiurnal tidal fluctuations. Groundwater elevations in Al-SB02 and Al-SB05 were observed to change the most; both of these locations are outside the former excavation area and within close proximity to the Estuary. The greatest change between low-low tide and high-high tide water elevations in Al-SB02 was 0.43 feet between 8:17 a.m. (low) and 4:20 p.m. (high) on February 16, 2008. Al-SB02 was also located within native soil, outside the former UST area. Groundwater elevations in this temporary piezometer mimicked the tidal fluctuations, although the amplitudes and troughs of the groundwater elevation graph did not show as much change as was observed in Al-SB05.

Al-SB05 was located outside the former UST excavation and within the closest proximity to the estuary. Groundwater elevations at Al-SB05 had the greatest difference in response to semidiurnal tidal fluctuations relative to the other piezometers. The greatest change between low-low tide and high-high tide water elevations in Al-SB05 was 1.4 feet between 8:57 a.m. (low) and 2:43 p.m. (high) on February 18, 2008.

Observations of groundwater elevations in the temporary piezometers located within the former UST area, Al-SB01 and Al-SB03, did not show a response to semidiurnal tidal fluctuations. The greatest change between low-low tide and high-high tide water elevations in Al-SB01 was 0.04 feet between 10:01 a.m. and 5:59 p.m. on February 16, 2008. This minor change in water level is most likely due to a barometric change in pressure, rather than a response to semidiurnal tidal fluctuations. The greatest change between low-low tide and high-high tide water elevations in Al-SB03a was observed on February 16, 2008, with a change of 0.14 feet between 9:49 a.m. and 5:27 p.m.

Section 5. Conclusions and Recommendations

5.1. CONCLUSIONS

5.1.1. Soil

Soil sample concentrations were collected during the SI activities and compared with ESLs and, when necessary, EPA SLs. TPH-diesel, TPH-O&G, acetone, 2-methlynapthalene, naphthalene, 1,2,3-Trichloropropane, arsenic, and lead, were reported at concentrations greater than the respective ESLs or EPA SLs for the UST site.

TPH-d and TPH-O&G were detected in soil sample Al-SB02-10 at concentrations of 5,000 mg/kg and 4,700 mg/kg respectively. Concentrations of each chemical exceeded their respective ESLs of 83 mg/kg and 370 mg/kg. This exceedance is likely the result of waste oil that was stored in the former UST.

Acetone was detected in sample Al-SB06-20 at a concentration of 4,700 µg/kg, which exceeds the ESL of 500 µg/kg.

2-Methylnapthalene was detected in sample Al-SB02-10 as a J-qualified concentration of 1.5 mg/kg, which exceeds the ESL of 0.025 mg/kg.

Naphthalene was detected in sample Al-SB-06-20 at a concentration of 5.1 mg/kg, which exceeds the ESL of 1.3 mg/kg. This exceedance is likely the result of waste oil products that were stored in the former UST.

1,2,3-Trichloropropane was detected in sample Al-SB27-15 at a concentration of 92 µg/kg; this is a duplicate sample to Al-SB07-15. No ESL is available for this chemical; however, the concentration exceeds the EPA SL of 91 µg/kg.

Arsenic concentrations exceeded the ESL of 0.38 mg/kg in 19 of 20 samples collected from the UST site. However, it is likely that the arsenic concentrations represent background concentrations in the Oakland estuary fill material used to construct Coast Guard Island and do not represent a point source of contamination from the former UST. During the National Benthic Surveillance Project at the Oakland Estuary Site, sediment samples were collected in the restricted, partially dredged Inner Harbor channel between Oakland and Alameda near Coast Guard Island, and results indicated contamination was from historical heavy and light industry, wharfs, docks, and marinas, and urban development (National Marine Fisheries Service, 1994). The mean arsenic concentration in sediment samples collected from the Oakland Estuary was 13 mg/kg with a standard deviation of 1.6 µg/g (1.6 mg/kg) (National Marine

Fisheries Service, 1994). Coast Guard Island was formed in 1913 by the dredging project that extended the Oakland Estuary to San Leandro Bay (Global Security.org, 2005). The information provided by The National Fisheries Service and the Global Security websites indicates that sediment dredged from the Oakland Estuary contained arsenic and was used to construct Coast Guard Island; therefore, concentrations of arsenic discovered in samples collected at the site are likely the result of arsenic from industrial operations or other sources that were deposited in the estuary sediment and are not from the former UST. Analytical results for arsenic in 19 of the 20 soil samples collected at multiple depths during the SI ranged from 1.3 mg/kg to 5.1 mg/kg, with an average concentration of 3 mg/kg. These concentrations of arsenic should be considered background concentrations for the site. As a result, arsenic should not be considered a chemical of concern when evaluating closure of the site.

Lead was detected in sample Al-SB07-10 at a concentration of 290 mg/kg, which exceeds the ESL of 200 mg/kg. The source of this exceedance is unknown; however, it is known that, like arsenic, lead is a common contaminant in the Oakland Estuary, with an average concentration of 99 mg/kg plus or minus 10 mg/kg (National Marine Fisheries Service, 1994).

5.1.2. Groundwater

5.1.2.1. Comparison of COPC Concentrations with ESL Where Groundwater is a Potential Source of Drinking Water

Based on comparison with ESLs, concentrations of 13 COPCs in groundwater samples exceeded their respective ESL. These COPCs are TPH-d and TPH-O&G; bis(2-ethylhexyl)phthalate, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, and diethyl phthalate; and arsenic, barium, lead, chromium, and mercury. The conclusions are discussed below by chemical group.

5.1.2.1.1. TPH

TPH-d was reported in all seven groundwater samples with an average concentration of 690 µg/L, which exceeds the ESL-Estuary of 210 µg/L. The highest concentration (1,200 µg/L) was found in sample Al-SB02-W. These elevated concentrations indicate a potential source of groundwater contamination to drinking water. However, the UST site is located within 50 feet of the Oakland Estuary and, as shown on Figure 6, areas around the former UST excavation area are actively affected by semidiurnal tidal fluctuations. Because of the close proximity of the site to the estuary and evidence that groundwater is affected by tidal fluctuations, it can be assumed that mixing between estuary water and groundwater is occurring at the UST site. Although not analyzed, this mixing is likely to result in elevated concentrations of total dissolved solids (TDS), which would make the water unusable as a drinking water source. As a result, it may be more appropriate to use the ESL values provided in Table B of "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" (SFRWQCB, 2008), where groundwater is not a current or potential source of drinking water. The Table B ESLs are provided in Appendix B. The Table B ESL for TPH-d was recently changed from 2,500 µg/L (November 2007

ESLs) to 210 µg/L (May 2008 ESLs). The new values have decreased dramatically from the previous values, resulting in more TPH-d concentrations exceeding the ESL than would have been previously identified. Six out of the seven samples collected from the UST site exceed the new ESL for TPH-d. Despite the ESL exceedances in the six groundwater samples collected, the UST site is naturally attenuating concentrations of TPH-d in groundwater. Additionally, groundwater at the site will not be used as drinking water.

Analytical concentrations of TPH-O&G were identified in six of the seven groundwater samples collected during the SI. An average concentration of 1.3 mg/L was observed among the J-qualified concentrations, with one sample exhibiting a maximum concentration (2.7 mg/L) exceeding the reporting limit at location Al-SB07. These concentrations exceeded the ESL of 0.10 mg/L for TPH-O&G. The proximity of the UST site to the Oakland Estuary and the likelihood of naturally high TDS concentrations in groundwater make it highly unlikely that this groundwater will be used as drinking water. As a result, the more appropriate ESL for comparison is provided in Table B of "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" (SFRWQCB, 2008), where groundwater is not a current or potential source of drinking water. The groundwater ESL from Table B for TPH-O&G is 0.21 mg/L. TPH-O&G concentrations for the UST site exceeded the Table B ESL. As stated earlier, natural attenuation is occurring at the site and will likely reduce TPH-O&G concentrations before they reach the Oakland Estuary.

5.1.2.1.2. SVOCs

SVOCs were reported at low concentrations in samples Al-SB02-W, Al-SB03-W, and Al-SB07-W. J-qualified concentrations of benzo(a)pyrene (0.66 µg/L), benzo(b)fluoranthene (0.56 µg/L), and benzo(g,h,i)perylene (1.1 µg/L) were reported in samples from Al-SB07; all reported concentrations exceeded the ESLs for these SVOCs. Bis(2-ethylhexyl)phthalate was reported at 7.7 µg/L in sample Al-SB03-W, which exceeds the ESL of 4.0 µg/L. Diethyl phthalate was reported at a J-qualified concentration of 5.9 µg/L in Al-SB02-W, which exceeds the ESL of 1.5 µg/L. As previously stated, ESLs from Table B of "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" (SFRWQCB, 2008), where groundwater is not a current or potential source of drinking water, are more appropriate to evaluate concentrations at this site. When comparing these SVOC concentrations with the Table B ESLs, all SVOC concentrations reported exceed the ESLs. SVOCs, similar to other COPCs at the UST site, now have much lower ESLs than previously published. Additionally, SVOC concentrations are likely to be naturally attenuated prior to reaching the Oakland Estuary.

5.1.2.1.3. Metals

Arsenic was detected in Al-SB05-W at a concentration of 0.038 mg/L, which exceeds the ESL of 0.036 mg/L. Barium concentrations were reported in all seven groundwater samples at an average concentration of 0.79 mg/L, which is less than the ESL of 1.0 mg/L. One sample (Al-SB05-W) exhibited a barium concentration of 1.9 mg/L, which exceeds the ESL of 1.0 mg/L.

Chromium concentrations were reported in all seven groundwater samples at an average concentration of 0.16 mg/L, which exceeds the ESL of 0.05 mg/L. Chromium concentrations in three samples (Al-SB02-W, 0.48 mg/L; Al-SB05-W, 0.55 mg/L; and Al-SB06-W, 0.054 mg/L) exceeded the ESL of 0.05 mg/L.

Lead concentrations were reported in four of the seven groundwater samples, at an average concentration of 0.04 mg/L, which exceeds the ESL of 0.0025 mg/L.

Mercury concentrations were reported in two of the seven groundwater samples at an average concentration of 0.00071 mg/L, which exceeds the ESL of 0.000025 mg/L.

As explained in Subsection 5.1.1, arsenic and lead concentrations are likely the result of preexisting contamination within the estuary sediment before it was dredged and used as fill material to form Coast Guard Island. Arsenic and lead concentrations in soil and groundwater at the UST Site indicate a small area within a larger ubiquitous source of arsenic and lead contamination and not a point source of contamination resulting from the former UST. Additionally, ESLs for barium, chromium, and mercury were reduced from the November 2007 ESLs to the revised May 2008 ESLs, resulting in more concentrations of these metals exceeding ESLs. However, the concentrations of these metals, similar to arsenic and lead, do not indicate a point source for metals contamination, but are likely the result of contamination in estuary sediment prior to dredging and reuse of the sediment to construct Coast Guard Island. These metals should not be considered a chemical of concern with respect to human health or the environment.

5.1.2.2. Comparison of COPC Concentrations with ESLs for Estuary Habitats

Based on comparison with ESLs-Estuary, concentrations of 13 COPCs in groundwater samples exceeded their respective ESL-Estuary. These COPCs are TPH-d and TPH-O&G; bis(2-ethylhexyl)phthalate, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, and diethyl phthalate; and arsenic, barium, lead, chromium, and mercury. The conclusions are discussed below by chemical group.

5.1.2.2.1. TPH

TPH-d was reported in six of seven groundwater samples with an average concentration of 690 µg/L, which exceeds the ESL-Estuary of 210 µg/L. The ESL-Estuary for TPH-d was recently revised and reduced from 2,500 µg/L (November 2007 ESL-Estuary) to 210 µg/L (May 2008 ESL-Estuary). This vast reduction in the ESL resulted in exceedances in six of the seven groundwater samples versus no

exceedances in all seven samples. These concentrations of TPH-d may have the potential to affect surface water of the nearby estuary; however, it should be noted that concentrations of TPH-d decrease in groundwater samples collected at greater distances from the UST site. This decrease indicates that natural attenuation is reducing site concentrations of TPH-d. It is likely that concentrations of TPH-d observed in the groundwater samples collected from locations shown on Figure 4 may decrease to below the ESL-Estuary by mixing, dilution, and natural attenuation prior to the migration of groundwater from the site to surface water of the estuary.

TPH-O&G was detected above the reporting limit in one groundwater sample collected at Al-SB07-W at a concentration of 2.7 mg/L, which exceeds the ESL-Estuary of 0.21 mg/L. Additionally, five additional groundwater samples exhibited an average J-qualified concentration of 1.3 mg/L, which is above the ESL-Estuary of 0.21 mg/L. Based on the groundwater information observed at the site, this contamination may migrate to the estuary. However, it is likely that, due to the low concentrations observed and the natural degradation that will occur during migration, the TPH-O&G will naturally attenuate to less than the ESL-Estuary as it migrates to the estuary. Additionally, natural attenuation is confirmed to be occurring at the site because concentrations of TPH-O&G as high as 41 mg/L were observed within the UST excavation area during UST removal activities conducted in 2001; these historical concentrations are higher than concentrations observed during this SI (Tetra Tech, Inc., 2002).

5.1.2.2.2. SVOCs

Bis(2-ethylhexyl)phthalate was detected in sample Al-SB03-W at an estimated concentration of 7.7 µg/L, which exceeds the ESL-Estuary of 5.9 µg/L.

Chrysene, benzo(b)fluoranthene, benzo(a)pyrene, and benzo(g,h,i)perylene were detected in sample Al-SB07-W at J-qualified concentrations of 0.3 µg/L, 0.56 µg/L, 0.66 µg/L and 1.1 µg/L, respectively. These estimated concentrations exceed their respective ESL-Estuary of 0.049 µg/L, 0.029 µg/L, 0.014, and 0.1 µg/L.

Diethyl phthalate is one of the six SVOCs that exhibited an average J-qualified concentration of 2.7 µg/L in three of the seven groundwater samples collected. One groundwater sample Al-SB02-W exhibited a J-qualified concentration of 5.9 µg/L, which exceeds the ESL-Estuary of 1.5 µg/L.

No other SVOCs were observed in groundwater at any other locations, indicating that the concentrations at Al-SB07 are likely the result of former tank operations and are degrading over time. The low concentrations reported in Al-SB02-W Al-SB07-W and Al-SB03-W pose a minimal threat of contamination migrating to and affecting the Estuary.

5.1.2.2.3. Metals

Arsenic concentrations were reported in three of the seven groundwater samples collected at the UST site; these concentrations averaged 0.03 mg/L, which exceeds the ESL-Estuary of 0.00014 mg/L. As described in Subsection 5.1.1, concentrations of arsenic detected in soil during the SI should be considered equivalent to background concentrations for the site, thus arsenic concentrations in groundwater should not be considered contamination resulting from the former UST operations. As stated previously, the mean Estuary sediment concentration for arsenic is 13 mg/kg; therefore, arsenic concentrations in estuary soil are likely acting as a source of contamination to the waters of the Oakland Estuary. Due to the existing arsenic contamination in the estuary, any arsenic detected in groundwater samples collected from the UST site and migrating to the estuary will not increase arsenic contamination in the estuary. As a result, arsenic should not be considered a chemical of concern for groundwater at the UST site.

Barium concentrations were reported in all seven groundwater samples collected at the UST site, at an average concentration of 0.79 mg/L, which is less than the ESL-Estuary of 1.0 mg/L. However, one sample Al-SB05-W exhibited a barium concentration of 1.9 mg/L, which exceeds the ESL-Estuary of 1.0 mg/L.

Chromium concentrations were reported in all seven groundwater samples collected at the UST site, at an average concentration of 0.16 mg/L, which is less than the ESL-Estuary of 0.18 mg/L. Chromium concentrations in two samples Al-SB02-W (0.48 mg/L) and Al-SB05-W (0.55 mg/L) exceeded the ESL-Estuary of 0.18 mg/L.

Lead concentrations were reported in four of the seven groundwater samples collected at the UST site, at an average concentration of 0.04 mg/L. All lead concentrations exceeded the ESL-Estuary of 0.0025 mg/L. Although lead was detected in groundwater at the UST site, these concentrations, similar to arsenic, are likely the result of background concentrations in soil used to build Coast Guard Island and will not exacerbate lead contamination in the estuary.

Mercury concentrations were reported in two of the seven groundwater samples collected at the UST site, at an average concentration of 0.00071 mg/L, which exceeds the ESL-Estuary of 0.000025 mg/L.

Similar to arsenic and lead, barium, chromium and mercury concentrations are naturally occurring metals within the estuary sediment and do not pose a risk to the estuary.

5.2. RECOMMENDATIONS

Based on the results of this SI Report, the following is recommended to achieve site closure:

- **Soil:** No further action is recommended for soil because chemical concentrations in soil at the UST Site are low or attributable to background.
- **Groundwater (as Source of Drinking Water):** No further action is recommended for groundwater at the UST Site because chemicals in groundwater are naturally attenuating. Additionally, although some chemical concentrations exceeded ESLs for groundwater as a potential source of drinking water, ESLs for groundwater that is a current or potential source of drinking water are inappropriate for this site because of its proximity to the estuary and the low probability that groundwater in this area will be used as drinking water.
- **Groundwater (Estuary Habitats):** No further action is recommended for groundwater that is migrating to surface water of the Oakland Estuary. Although chemical concentrations exceed ESLs-Estuary, concentrations of organic chemicals are naturally attenuating as they migrate toward the Oakland Estuary and concentrations of metals are attributable to background concentrations in sediments of the estuary.

Based on these recommendations for soil and groundwater and the findings of the SI Report, no further action is warranted at the Site.

Section 6. References

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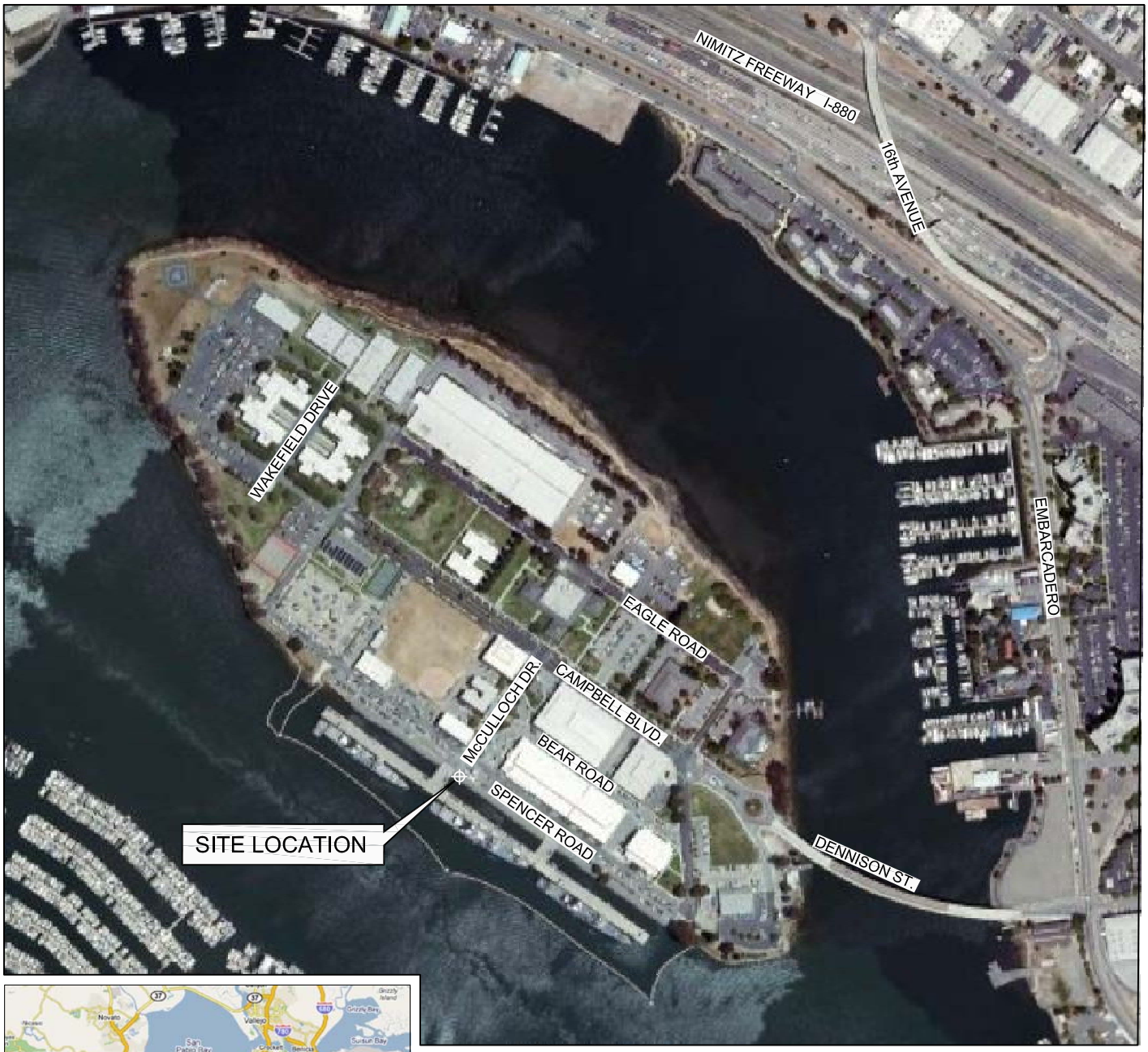
Figures



VICINITY MAP
NOT TO SCALE

N

0 500

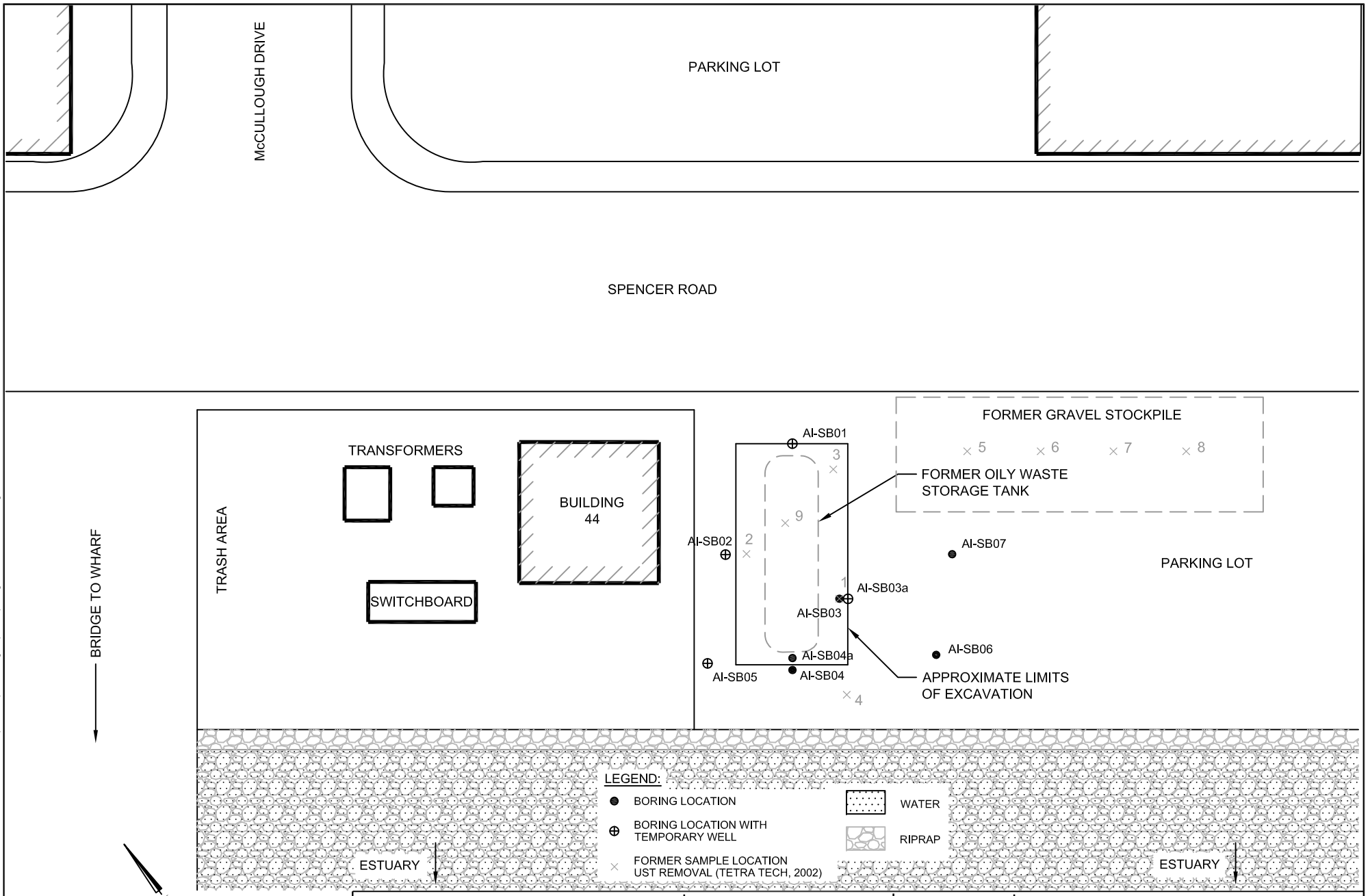
APPROXIMATE SCALE IN FEET

SOURCE: GOOGLE EARTH

P:\2007 Projects\27-167 USCG Alameda UST\N_Maps_Dwg \Site Location Map.dwg

ERRG
Engineering/Remediation Resources Group, Inc.
115 Sansome St., Suite 200
San Francisco, California 94104
(415) 395-9974

CLIENT:	DESIGNED BY:	SITE LOCATION MAP				
UNITED STATES COAST GUARD	RDB 4/17/08					
	CHECKED BY: MAE 4/18/08					
LOCATION: INTEGRATED SUPPORT COMMAND ALAMEDA ALAMEDA, CALIFORNIA	P.E/P.G.: MAE 4/18/08	ERRG PROJECT NO. 27-167	REV. NO. 0	SHEET 1	OF 1	FIG NO. 1



SOURCE: TETRA TECH, 2002

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ERRG
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San Francisco, California 94104
(415) 395-9974

CLIENT:	UNITED STATES COAST GUARD
LOCATION:	INTEGRATED SUPPORT COMMAND ALAMEDA ALAMEDA, CA
DESIGNED BY:	RDB 4-17-08
CHECKED BY:	MAE 4-18-08
P.E/P.G.:	MAE 4-18-08

SAMPLING LOCATIONS

ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-167	0	1	1	2

SPENCER ROAD

TRANSFORMERS

BUILDING 44

SWITCHBOARD

AI-SB01

AI-SB02

AI-SB03

AI-SB03a

AI-SB04a

AI-SB04

AI-SB05

AI-SB06

AI-SB07

FORMER OILY WASTE STORAGE TANK

1 2 3 4 9

AI-SB02

Detected Concentrations

Analyte	Sample Depth (feet bgs) 10	25
TPH-Gasoline Range (mg/kg)	5.3	--
TPH-Diesel Range (mg/kg)	**5,000**	--
TPH-Oil and grease (mg/kg)	**4,700**	--
1,2,4-Trimethylbenzene (µg/kg)	10	--
2-Methylnaphthalene	**1.5 J**	--
n-Butylbenzene (µg/kg)	21	--
Napthalene (µg/kg)	17	--
Arsenic (mg/kg)	**1.7**	--
Barium (mg/kg)	100	18
Chromium (mg/kg)	42	24
Mercury (mg/kg)	0.093	--
Lead (mg/kg)	4.4	1.3

AI-SB01

Detected Concentrations

Analyte	Sample Depth (feet bgs) 10	18
TPH-Gasoline Range (mg/kg)	0.99	--
TPH-Diesel Range (mg/kg)	25	5.5
Arsenic (mg/kg)	**2.4**	**3.5**
Barium (mg/kg)	73	55
Chromium (mg/kg)	22	18
Mercury (mg/kg)	--	0.083
Lead (mg/kg)	4.1	4.0

AI-SB03a

Detected Concentrations

Analyte	Sample Depth (feet bgs) 10	15	20	25	30	35
TPH-Gasoline Range (mg/kg)	--	--	--	--	--	1.3
TPH-Diesel Range (mg/kg)	5.2	--	2.1	2.2	--	7.0
Acetone (µg/kg)	--	--	--	--	63	--
Carbon disulfide (µg/kg)	--	--	--	7.5	9.0	--
Arsenic (mg/kg)	**2.5**	**4.9**	**4.5**	**3.5**	**5.1**	**1.9**
Barium (mg/kg)	77	73	71	23	32	50
Chromium (mg/kg)	47	44	37	46	47	18
Mercury (mg/kg)	--	--	0.11	--	0.068	--
Lead (mg/kg)	2.7	3.7	6.5	4.3	14	3.4

AI-SB03

Detected Concentrations

Analyte	Sample Depth (feet bgs) 12	20
TPH-Diesel Range (mg/kg)	8.1	4.5
Arsenic (mg/kg)	**2.1**	**2.8**
Barium (mg/kg)	29	34
Chromium (mg/kg)	12	29
Mercury (mg/kg)	0.20	--
Lead (mg/kg)	1.9	3.6

AI-SB07

Detected Concentrations

Analyte	Sample Depth (feet bgs) 10	15	15 (Duplicate)
TPH-Diesel Range (mg/kg)	--	5.8	--
1,2,3-Trichloropropane	--	--	**92**
Arsenic (mg/kg)	**4.3**	**4.8**	**4.1**
Barium (mg/kg)	110	91	110
Chromium (mg/kg)	49	51	49
Mercury (mg/kg)	--	0.18	--
Lead (mg/kg)	**290**	14	9.2

AI-SB05

Detected Concentrations

Analyte	Sample Depth (feet bgs) 10	20
TPH-Diesel Range (mg/kg)	--	1.4
Arsenic (mg/kg)	**1.8**	**2.4**
Barium (mg/kg)	110	82
Chromium (mg/kg)	36	39
Mercury (mg/kg)	0.050	--
Lead (mg/kg)	2.5	3.6

AI-SB06

Detected Concentrations

Analyte	Sample Depth (feet bgs) 10	15	20
TPH-Diesel Range (mg/kg)	--	--	1.1
Napthalene (EPA Method 260B) (µg/kg)	--	--	**5,100**
Napthalene (EPA Method 270B) (mg/kg)	--	--	0.44
Acetone	--	--	**4,700 JB**
Arsenic (mg/kg)	**1.3**	**1.5**	**2.8**
Barium (mg/kg)	59	54	47
Chromium (mg/kg)	34	35	37
Mercury (mg/kg)	0.078	--	0.057
Lead (mg/kg)	2.5	2.6	4.6

0 10

APPROXIMATE SCALE IN FEET

TABLE NOTES:

ALL CONCENTRATIONS SHOWN WHERE DETECTED ABOVE THE REPORTING LIMIT
CHEMICAL CONCENTRATIONS EXCEEDING ESLs ARE SHOWN IN BOLD
TABLE INCLUDES B QUALIFIED CONCENTRATIONS ONLY WHEN CONCENTRATION EXCEEDED THE ESL FOR THE CHEMICAL
TABLE INCLUDES J QUALIFIED CONCENTRATIONS ONLY WHEN CONCENTRATION EXCEEDED THE ESL FOR THE CHEMICAL
µg/kg = MICROGRAMS PER KILOGRAM
B = BLANK DETECTION
bgs = BELOW GROUND SURFACE
EPA = ENVIRONMENTAL PROTECTION AGENCY
J = ESTIMATED DETECTION ABOVE THE MDL BUT BELOW THE REPORTING LIMIT
mg/kg = MILLIGRAMS PER KILOGRAM
TPH = TOTAL PETROLEUM HYDROCARBONS
-- = CHEMICAL NOT DETECTED ABOVE REPORTING LIMITS

SOURCE: TETRA TECH INC., 2002

LEGEND:

- BORING LOCATION
- BORING LOCATION WITH TEMPORARY WELL
- FORMER SAMPLE LOCATION UST REMOVAL (TETRA TECH INC., 2002)
- WATER
- RIPRAP

ERRG Engineering/Remediation Resources Group, Inc.
115 Sansome Street, Suite 200
San Francisco, California 94104
(415) 395-9974

CLIENT: UNITED STATES COAST GUARD

LOCATION: INTEGRATED SUPPORT COMMAND ALAMEDA ALAMEDA, CA

DESIGNED BY: RDB 7-7-08

CHECKED BY: ADS 7-8-08

P.E/P.G.: MAE 7-8-08

SOIL SAMPLING RESULTS

ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-167	0	1	1	3

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AI-SB02-W		
	Detected Concentrations	
Analyte	W	W (Duplicate)
TPH-Gasoline Range (µg/L)	71	71
TPH-Diesel Range (µg/L)	**1200**	**710**
TPH-Oil and Grease (mg/L)	**1.5J**	**0.64J**
1,2,4-Trimethylbenzene (µg/L)	0.83	--
Diethyl Phthalate	**5.9J**	--
Benzoic acid (µg/L)	13	--
Arsenic (mg/L)	0.031	--
Barium (mg/L)	0.98	0.26
Chromium (mg/L)	**0.48**	0.0059
Mercury (mg/L)	**0.00065**	--
Lead (mg/L)	**0.067**	--

SPENCER ROAD

AI-SB01-W	
Detected Concentrations	
Analyte	W
TPH-Diesel Range (µg/L)	**950**
TPH-Oil and Grease (mg/L)	**1.5J**
Barium (mg/L)	0.31
Chromium (mg/L)	0.026
Lead (mg/L)	**0.0053**

TRANSFORMERS

BUILDING 44

SWITCHBOARD

AI-SB01

AI-SB02

FORMER OILY WASTE STORAGE TANK

AI-SB07

AI-SB07-W	
Detected Concentrations	
Analyte	W
TPH-Diesel Range (µg/L)	**130**
TPH-Oil and grease (mg/L)	**2.7**
Xylenes, Total (µg/L)	1.7
Chrysene (µg/L)	**0.3J**
Benzo[b]fluoranthene (µg/L)	**0.56J**
Benzo[a]pyrene (µg/L)	**0.66J**
Benzo[g,h,i]perylene (µg/L)	**1.1J**
Barium (mg/L)	0.98
Chromium (mg/L)	0.020

AI-SB03a

AI-SB03

AI-SB04a

AI-SB04

AI-SB05

AI-SB06

PARKING

AI-SB03-W	
Detected Concentrations	
Analyte	W
TPH-Gasoline Range (µg/L)	79
TPH-Diesel Range (µg/L)	**770**
TPH-Oil and Grease (mg/L)	**1.0J**
Bis(2-ethylhexyl)phthalate (µg/L)	**7.7J**
Barium (mg/L)	0.26
Chromium (mg/L)	0.0057

AI-SB06-W	
Detected Concentrations	
Analyte	W
TPH-Diesel Range (µg/L)	**470**
Ethylbenzene (µg/L)	0.68
Napthalene (VOCs) (µg/L)	16
Toluene (µg/L)	0.61
Xylenes, Total (µg/L)	1.6
Arsenic (mg/L)	0.0077
Barium (mg/L)	0.81
Chromium (mg/L)	**0.054**
Lead (mg/L)	**0.029**
Naphthalene (SVOCs) (µg/L)	11

AI-SB05-W	
Detected Concentrations	
Analyte	W
TPH-Diesel Range (µg/L)	**600**
TPH-Oil and Grease (mg/L)	**1.9J**
Arsenic (mg/L)	**0.038**
Barium (mg/L)	**1.9**
Chromium (mg/L)	**0.55**
Mercury (mg/L)	**0.00077**
Lead (mg/L)	**0.057**

N

0 10

APPROXIMATE SCALE IN FEET

TABLE NOTES:

ALL CONCENTRATIONS SHOWN WERE DETECTED ABOVE THE REPORTING LIMIT
TABLE INCLUDES B QUALIFIED CONCENTRATIONS ONLY WHEN CONCENTRATION EXCEEDED THE ESL FOR THE CHEMICAL
TABLE INCLUDES J QUALIFIED CONCENTRATIONS ONLY WHEN CONCENTRATION EXCEEDED THE ESL FOR THE CHEMICAL
CHEMICAL CONCENTRATIONS EXCEEDING ESLs ARE SHOWN IN BOLD
CHEMICAL CONCENTRATIONS EXCEEDING ESL-ESTUARY ARE SHOWN IN RED
µg/L = MICROGRAMS PER LITER
J = ESTIMATED DETECTION ABOVE THE MDL BUT BELOW THE REPORTING LIMIT
MDL = METHOD DETECTION LIMIT
mg/L = MILLIGRAMS PER LITER
TPH = TOTAL PETROLEUM HYDROCARBONS
W = WATER SAMPLE
-- = CHEMICAL NOT DETECTED ABOVE REPORTING LIMITS

SOURCE: TETRA TECH INC., 2002

LEGEND:

- BORING LOCATION
- BORING LOCATION WITH TEMPORARY WELL
- FORMER SAMPLE LOCATION UST REMOVAL (TETRA TECH INC., 2002)
- WATER
- RIPRAP

ERRG
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CLIENT: UNITED STATES COAST GUARD

LOCATION: INTEGRATED SUPPORT COMMAND ALAMEDA ALAMEDA, CA

DESIGNED BY: RDB 7-7-08

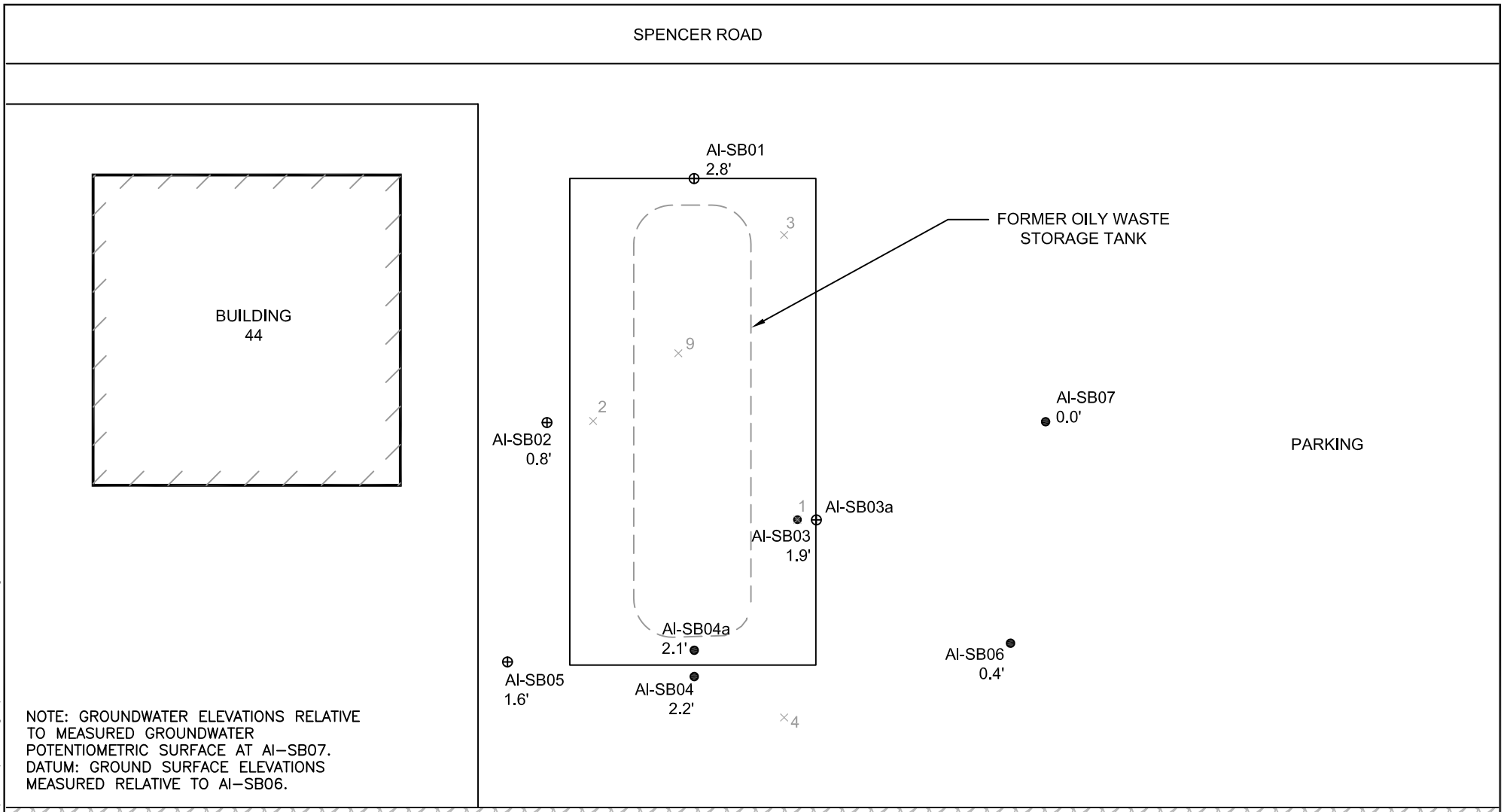
CHECKED BY: ADS 7-8-08

P.E./P.G.: MAE 7-8-08

GROUNDWATER SAMPLING RESULTS

ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-167	0	1	1	4

P:\2007_Projects\27-167_USCG Alameda UST\N_Maps_Dwgs\Water Sample Results.dwg



P:\2007_Projects\27-167_USCG Alameda UST\N_Maps_Dwgs\Potentiometric.dwg

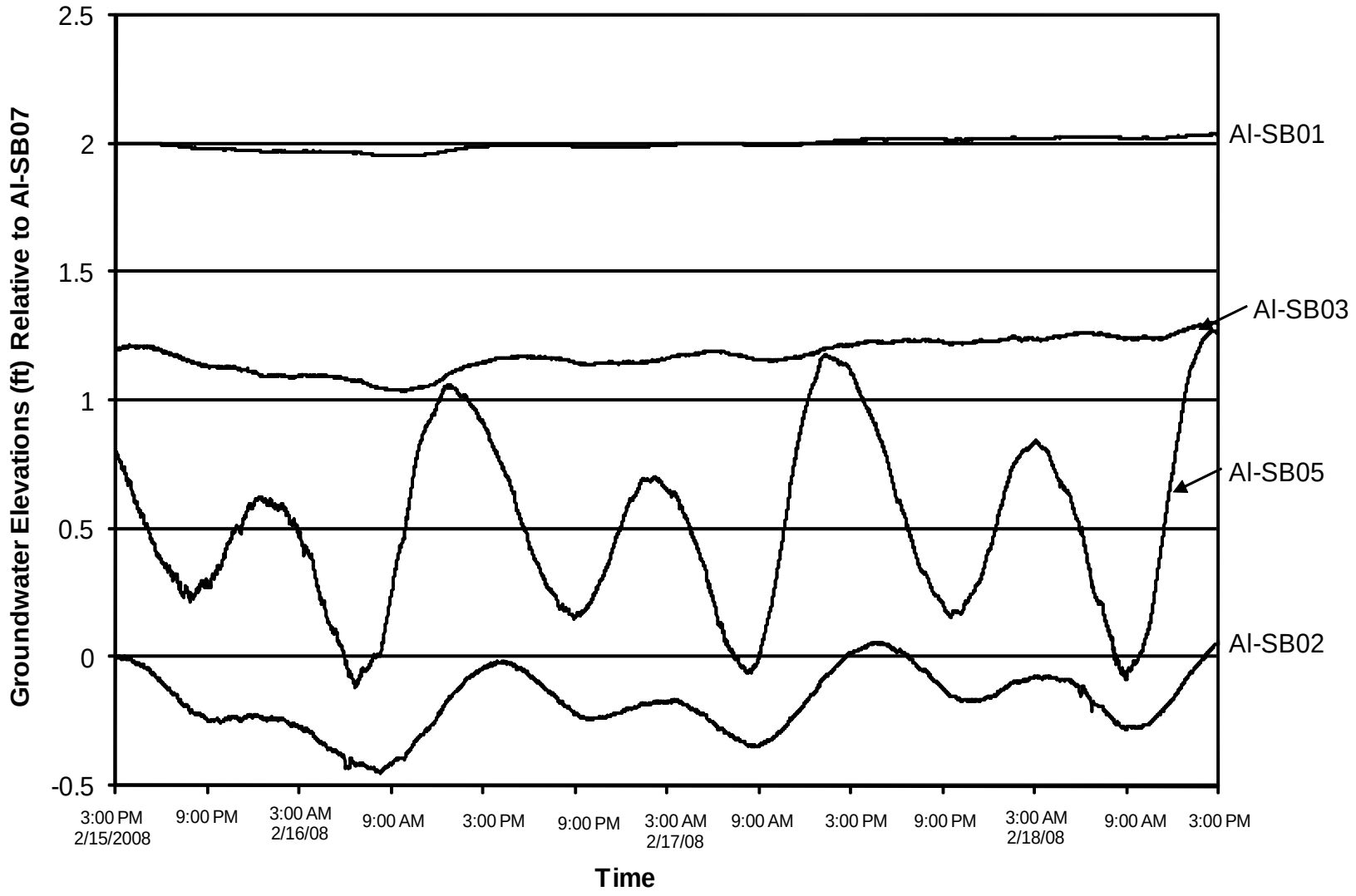
ERRG

Engineering/Remediation Resources Group, Inc.
115 Sansome Street, Suite 200
San Francisco, CA 94104
(415) 395-9974

CLIENT:	UNITED STATES COAST GUARD
LOCATION:	INTEGRATED SUPPORT COMMAND ALAMEDA ALAMEDA, CA
DESIGNED BY:	RDB 4-16-08
CHECKED BY:	MAE 4-18-08
P.E/P.G.:	MAE 4-18-08

RELATIVE GROUNDWATER POTENTIOMETRIC SURFACE MAP

ERRG PROJECT NO.	REVISION NO.	SHEET	OF	FIG NO.
27-167	0	1	1	5



P:\2007_Projects\27-167_USCG Alameda UST\N_Maps_Dwgs\Water Level Data.dwg

ERRG Engineering/Remediation Resources Group, Inc. 115 Sansome Street, Suite 200 San Francisco, CA 94104 (415) 395-9974	CLIENT: UNITED STATES COAST GUARD	DESIGNED BY: RDB 4-29-08	RELATIVE GROUNDWATER ELEVATION CHANGE				
		CHECKED BY: MAE 4-29-08					
	LOCATION: INTEGRATED SUPPORT COMMAND ALAMEDA ALAMEDA, CA	P.E/P.G.: MAE 4-29-08	ERRG PROJECT NO. 27-167	REVISION NO. 0	SHEET 1	OF 1	FIG NO. 6

Tables

Table 1. Seven Step DQO Process

Step 1	Problem Statement	Historically, COPCs were stored in the former UST and accidentally released to surrounding soil and groundwater. Current concentrations and vertical and horizontal extent of COPCs in soil and groundwater is not delineated for the site.
Step 2	Identification of Decisions	Are COPCs present in soil and groundwater in the vicinity of the former UST at concentrations requiring further remedial action?
Step 3	Identify Inputs to Decisions	Concentrations of COPCs in soil and groundwater upgradient, downgradient, and crossgradient of the former UST.
Step 4	Definition of Study Boundaries	Groundwater samples will be collected from the water table, if groundwater is encountered, in the upgradient, downgradient, and crossgradient locations relative to the former UST. Groundwater flow direction is unknown but predicted to be southwest toward the Oakland Estuary. Soil samples will be collected at the bottom of the former UST (approximately 8 bgs) and when groundwater is encountered (approximately 15 feet bgs), whichever occurs first in the upgradient, downgradient, and crossgradient locations relative to the former UST. Samples will be analyzed to identify whether COPCs exist in soil and whether they migrated to groundwater.
Step 5	Decision Rules	If laboratory results indicate COPCs are present in groundwater, then concentrations will be compared with ESLs for the site (SFRWQCB, 2008) and the need for cleanup actions will be evaluated. The ESLs for COPCs identified at the site are presented in Appendices A and B.
Step 6	Limits to Decision Errors	Samples will be sent to the laboratory for analysis. Duplicate quality control samples will be collected for 10 percent of soil and groundwater samples collected.
Step 7	Sampling Design	Soil samples will be collected at the bottom of the former UST (approximately 8 feet bgs) and when groundwater is first encountered (approximately 15 feet bgs), whichever occurs first from each boring location, relative to the former UST. Step-out samples will be collected if readings from a PID detect concentrations of VOCs. Step-out borings will be advanced 20 feet away from the boring where PID readings were observed, as well as directionally away from the former UST. One groundwater sample will be collected from each boring advanced at the site.

Notes:

bgs = below ground surface

COPC = chemical of potential concern

ESL = environmental screening level

PID = photoionization detector

SFRWQCB = San Francisco Bay Regional Water Quality Control Board

UST = underground storage tank

VOCs = volatile organic compounds

Table 2. Boring Survey Data, Groundwater Elevations and Relative Elevations

Boring	Relative[a] Survey Elevation (feet)	Water Level Measured from Ground Surface During Boring Advancement (feet bgs)	Water Level With Respect to Al-SB06 as the Datum (feet)	Change in Water Level at Each Boring[b] (feet)
Al-SB01	-1.05	8.5	9.55	2.8
Al-SB02	-0.58	11.0	11.58	0.8
Al-SB03	-0.45	10.0	10.45	1.9
Al-SB03a	-0.43	10.0	10.43	1.9
Al-SB04	-0.15	10.0	10.15	2.2
Al-SB04a	-0.27	10.0	10.27	2.1
Al-SB05	-0.25	10.5	10.75	1.6
Al-SB06	0	12.0	12.00	0.4
Al-SB07	-0.37	12.0	12.37	0.0

Notes:

a = Al-SB06 datum; elevations relative to Al-SB07

b = Assumes Al-SB07 is 0.0 feet; elevations relative to Al-SB07

bgs = below ground surface

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Table 3. Soil Sampling Results

Sample ID	Sample Depth (feet bgs)	Date Sampled	TPH-Gasoline Range (mg/kg)	TPH-Diesel Range (mg/kg)	TPH-Oil & Grease (mg/kg)	Volatile Organic Compounds (EPA Method 8260B) (all concentrations in µg/kg)																																					
						Acetone		Benzene	Bromobenzene (µg/kg)	Chlorobromomethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene		tert-Butylbenzene	Carbon disulfide		Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane		2-Chlorotoluene	4-Chlorotoluene	Chlorodibromomethane	Dibromomethane	Dichlorodifluoromethane	Dichlorobromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,3-Dichloropropane	1,1-Dichloropropene	1,2-Dibromo-3-Chloropropane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	2,2-Dichloropropane	cis-1,2-Dichloroethene
Al-SB01-10	10	2/14/2008	**0.99**	**25**	<100	<48		<4.8	<4.8	<19	<4.8	<9.7	<48	<4.8	<4.8		<4.8	<4.8		<4.8	<4.8	<9.7	<4.8	<9.7		<4.8	<4.8	<4.8	<9.7	<9.7	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<48	<4.8	<4.8	<4.8	<4.8	<4.8
Al-SB01-18	18	2/14/2008	<0.24	**5.5**	<100	<50		<5.0	<5.0	<20	<5.0	<10	<50	<5.0	<5.0		<5.0	0.95	J	<5.0	<5.0	<10	<5.0	<10		<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB02-10	10	2/14/2008	**5.3**	**5000**	**4700**	31	J	<5.0	<5.0	<20	<5.0	<9.9	<50	**21**	4.2	J	<5.0	<5.0		<5.0	<5.0	<9.9	<5.0	<9.9		<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB02-25	25	2/14/2008	<0.24	<0.99	<100	<50		<5.0	<5.0	<20	<5.0	<9.9	<50	<5.0	<5.0		<5.0	1.2	J	<5.0	<5.0	<9.9	<5.0	<9.9		<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB03-12	12	2/14/2008	<0.25	**8.1**	<100	<49		<4.9	<4.9	<20	<4.9	<9.8	<49	<4.9	<4.9		<4.9	<4.9		<4.9	<4.9	<9.8	<4.9	<9.8		<4.9	<4.9	<4.9	<9.8	<9.8	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB03-20	20	2/14/2008	<0.25	**4.5**	<100	<50		<5.0	<5.0	<20	<5.0	<9.9	<50	<5.0	<5.0		<5.0	1.4	J	<5.0	<5.0	<9.9	<5.0	<9.9		<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB05-10	10	2/14/2008	<0.24	<1.0	<100	<49		<4.9	<4.9	<19	<4.9	<9.7	<49	<4.9	<4.9		<4.9	<4.9		<4.9	<4.9	<9.7	<4.9	<9.7		<4.9	<4.9	<4.9	<9.7	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB05-20	20	2/14/2008	<0.23	**1.4**	<100	<49		<4.9	<4.9	<19	<4.9	<9.7	<49	<4.9	<4.9		<4.9	0.72	J	<4.9	<4.9	<9.7	<4.9	<9.7		<4.9	<4.9	<4.9	<9.7	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB06-10	10	2/15/2008	<0.23	<1.0	<100	<49		<4.9	<4.9	<20	<4.9	<9.9	<49	<4.9	<4.9		<4.9	<4.9		<4.9	<4.9	<9.9	<4.9	<9.9		<4.9	<4.9	<4.9	<9.9	<9.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB06-15	15	2/15/2008	<0.23	<1.0	<100	<50		<5.0	<5.0	<20	<5.0	<9.9	<50	<5.0	<5.0		<5.0	0.78	J	<5.0	<5.0	<9.9	<5.0	1.2	J	<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB06-20	20	2/15/2008	<1.2	**1.1**	<100	**4700**	**JB**	<1000	<1000	<4000	<1000	<2000	<10,000	<1000	<1000		<1000	<1000		<1000	<1000	<2000	<1000	<2000		<1000	<1000	<1000	<2000	<2000	<1000	<1000	<1000	<1000	<1000	<1000	<10,000	<1000	<1000	<1000	<1000	<1000
Al-SB03a-10	10	2/15/2008	<0.24	**5.2**	<100	39	J	<5.0	<5.0	<20	<5.0	<10	<50	<5.0	<5.0		<5.0	1.4	J	<5.0	<5.0	<10	<5.0	<10		<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB03a-15	15	2/15/2008	<0.24	<1.0	<100	<50		<5.0	<5.0	<20	<5.0	<10	<50	<5.0	<5.0		<5.0	<5.0		<5.0	<5.0	<10	<5.0	<10		<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB03a-20	20	2/15/2008	<0.23	**2.1**	<100	<48		<4.8	<4.8	<19	<4.8	<9.7	<48	<4.8	<4.8		<4.8	<4.8		<4.8	<4.8	<9.7	<4.8	<9.7		<4.8	<4.8	<4.8	<9.7	<9.7	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<48	<4.8	<4.8	<4.8	<4.8	<4.8
Al-SB03a-25	25	2/15/2008	<0.24	**2.2**	<100	28	J	<4.9	<4.9	<20	<4.9	<9.8	<49	<4.9	<4.9		<4.9	**7.5**		<4.9	<4.9	<9.8	<4.9	<9.8		<4.9	<4.9	<4.9	<9.8	<9.8	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB03a-30	30	2/15/2008	<0.23	<1.0	<100	**63**		<4.9	<4.9	<20	<4.9	<9.8	<49	<4.9	<4.9		<4.9	**9.0**		<4.9	<4.9	<9.8	<4.9	<9.8		<4.9	<4.9	<4.9	<9.8	<9.8	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB03a-35	35	2/15/2008	**1.3**	**7.0**	<100	<50		<5.0	<5.0	<20	<5.0	<9.9	<50	<5.0	<5.0		<5.0	0.75	J	<5.0	<5.0	<9.9	<5.0	<9.9		<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB07-10	10	2/15/2008	<0.24	<0.99	<100	22	J	<4.9	<4.9	<19	<4.9	<9.7	<49	<4.9	<4.9		<4.9	1.3	J	<4.9	<4.9	<9.7	<4.9	<9.7		<4.9	<4.9	<4.9	<9.7	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9
Al-SB07-15	15	2/15/2008	<0.25	**5.8**	<100	42	J	<5.0	<5.0	<20	<5.0	<9.9	<50	<5.0	<5.0		<5.0	3.2	J	<5.0	<5.0	<9.9	<5.0	<9.9		<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Al-SB27-15	15	2/15/2008	<0.23	<1.0	<100	44	J	<5.0	<5.0	<20	<5.0	<9.9	<50	<5.0	<5.0		<5.0	5.2	J	<5.0	<5.0	<9.9	<5.0	<9.9		<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0
Number of Analysis																																									
Number of Detections			3	12	1	8		0	0	0	0	0	0	1	1		0	12		0	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration			0.99	1.10	4,700	22		0	0	0	0	0	0	21	4.2		0	0.72		0	0	0	0	1.2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration			5.3	5,000	4,700	4,700		0	0	0	0	0	0	21	4.2		0	9.00		0	0	0	0	1.2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESL			83	83	370	500		44	--	--	2,200	390	3,900	--	--		--	--		20	1,500	850	680	6,400		--	--	7,600	--	--	570	1,100	7,400	590	--	--	4.5	200	4.5	1,000	--	190
EPA SL			--	--	--	61,000,000		1,100	--	--	61,000	79,000	28,000,000	--	--		--	670,000		250	310,000	--	300	--		1,600,000	5,500,000	5,800	780,000	190,000	10,000	2,000,000	--	2,600	--	--	5.6	34,000	450	--	--	780,000
Exceedances			0	1	1	1		0	0	0	0	0	0	0	0		0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

All concentrations reported above the reporting limit are highlighted in **bold**.

All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*

< = not detected

µg/kg = micrograms per kilogram

B = blank detection

bgs = below ground surface

EPA = (U.S.) Environmental Protection Agency

ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)

J = Estimated concentration above the method detection limit but below the reporting limit

mg/kg = milligrams per kilogram

PCB = polychlorinated biphenyl

SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

TPH = total petroleum hydrocarbons

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Table 3. Soil Sampling Results *(continued)*

Volatile Organic Compounds (EPA Method 8260B) (all concentrations in µg/kg) *(continued)*

Sample ID	Sample Depth (feet bgs)	Date Sampled	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Ethylene Dibromide	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	Methylene Chloride	Methyl tert-butyl ether	4-Methyl-2-pentanone (MIBK)	Naphthalene	N-Propylbenzene
AI-SB01-10	10	2/14/2008	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<48	<4.8	<4.8	<9.7	<4.8	<48	5.2 J	<4.8
AI-SB01-18	18	2/14/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<10	<5.0	<50	4.9 J	<5.0
AI-SB02-10	10	2/14/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	4.9 J	1.8 JB	<5.0	<50	**17**	0.57 J
AI-SB02-25	25	2/14/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<9.9	<5.0	<50	5.3 J	<5.0
AI-SB03-12	12	2/14/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	1.6 JB	<4.9	<49	5 J	<4.9
AI-SB03-20	20	2/14/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<9.9	<5.0	<50	4.9 J	<5.0
AI-SB05-10	10	2/14/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<9.7	<4.9	<49	<9.7	<4.9
AI-SB05-20	20	2/14/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<9.7	<4.9	<49	<9.7	<4.9
AI-SB06-10	10	2/15/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	2.4 J	<4.9	<49	<9.9	<4.9
AI-SB06-15	15	2/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	2 J	<5.0	<50	<9.9	<5.0
AI-SB06-20	20	2/15/2008	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<10,000	<1000	<1000	<2000	<1000	<10,000	**5100**	<1000
AI-SB03a-10	10	2/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<10	<5.0	<50	5.8 J	<5.0
AI-SB03a-15	15	2/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	1.8 J	<5.0	<50	9.9 J	<5.0
AI-SB03a-20	20	2/15/2008	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<48	<4.8	<4.8	1.6 J	<4.8	<48	5.8 J	<4.8
AI-SB03a-25	25	2/15/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<9.8	<4.9	<49	5.3 J	<4.9
AI-SB03a-30	30	2/15/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	4.8 J	<4.9	<49	5.3 J	<4.9
AI-SB03a-35	35	2/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	2.2 J	<5.0	<50	5.9 J	<5.0
AI-SB07-10	10	2/15/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	1.8 J	<4.9	<49	5.1 J	<4.9
AI-SB07-15	15	2/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	2.1 J	<5.0	<50	<9.9	<5.0
AI-SB27-15	15	2/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	3.4 J	<5.0	<50	<9.9	<5.0
Number of Analysis																	
Number of Detections			0	0	0	0	0	0	0	0	0	1	11	0	0	14	1
Minimum Concentration			0	0	0	0	0	0	0	0	0	4.9	1.6	0	0	4.9	0.57
Maximum Concentration			0	0	0	0	0	0	0	0	0	4.9	4.8	0	0	5,100	0.57
ESL			670	120	--	--	2,300	--	2,200	--	--	--	77	23	2,800	1,300	--
EPA SL			110,000	930	1,600,000	1,600,000	5,700	--	6,200	--	--	--	--	39,000	5,300,000	150	--
Exceedances			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sample ID	Styrene	1,1,1,2-Tetrachoroethane	1,1,2,2-Tetrachoroethane	Tetrachloroethane	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,1,2-Trichloro-1,2-trifluoroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	Vinyl chloride	Xylenes, Total
AI-SB01-10	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<48	<4.8	<9.7
AI-SB01-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<10
AI-SB02-10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10**	<5.0	<50	<5.0	<9.9
AI-SB02-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<9.9
AI-SB03-12	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.8
AI-SB03-20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<9.9
AI-SB05-10	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.7
AI-SB05-20	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.7
AI-SB06-10	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.9
AI-SB06-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<9.9
AI-SB06-20	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<10,000	<1000	<2000
AI-SB03a-10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<10
AI-SB03a-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<10
AI-SB03a-20	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<48	<4.8	<9.7
AI-SB03a-25	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.8
AI-SB03a-30	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.8
AI-SB03a-35	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<9.9
AI-SB07-10	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<9.7
AI-SB07-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<9.9
AI-SB27-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**92**	<5.0	<5.0	<5.0	<50	<5.0	<9.9
Number of Analysis																		
Number of Detections	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Minimum Concentration	0	0	0	0	0	0	0	0	0	0	0	92	0	10	0	0	0	0
Maximum Concentration	0	0	0	0	0	0	0	0	0	0	0	92	0	10	0	0	0	0
ESL	1,500	24	18	--	2,900	--	1,500	7,800	70	460	--	--	--	--	--	--	22	2,300
EPA SL	65,000,000	2,000	590	--	5,000,000	--	180,000	9,000,000	110	--	800,000	91	43,000,000	67,000	1,800,000	990,000	60	600,000
Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

All concentrations reported above the reporting limit are highlighted in **bold**.

All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*

< = not detected

µg/kg = micrograms per kilogram

B = blank detection

bgs = below ground surface

EPA = (U.S.) Environmental Protection Agency

ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)

J = Estimated concentration above the method detection limit but below the reporting limit

mg/kg = milligrams per kilogram

PCB = polychlorinated biphenyl

SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

TPH = total petroleum hydrocarbons

Table 3. Soil Sampling Results *(continued)*

SemiVolatile Organic Compounds (EPA Method 8270C) (all concentrations in mg/kg)

Sample ID	Sample Depth (feet bgs)	Date Sampled	Acenaphthene	Anthracene	Acenaphthylene	Azobenzene	Bis(2-chloroethoxyl)methane	Bis(2-chlorethyl)ether	Benzyl Alcohol	Butyl benzyl phthalate	Benzo[a]anthracene	Bis(2-ethylhexyl)phthalate	Di-n-butyl phthalate	Benzo[b]fluoranthene	Benzo[a]pyrene	Benzo[k]fluoranthene	Benzo[g,h,I']perylene	Benzoic acid	4-Bromophenyl phenyl ether	Chrysene
AI-SB01-10	10	2/14/2008	<0.066	<0.066	<0.066	<0.066	<0.17	<0.066	<0.17	<0.17	<0.33	0.07 J	<0.17	<0.066	<0.066	<0.066	<0.066	<0.33	<0.17	<0.066
AI-SB01-18	18	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.016 J	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB02-10	10	2/14/2008	<3.3	<3.3	<3.3	<3.3	<8.4	<3.3	<8.4	<8.4	<16	<16	<8.4	<3.3	<3.3	<3.3	<3.3	<16	<8.4	<3.3
AI-SB02-25	25	2/14/2008	<0.066	<0.066	<0.066	<0.066	<0.17	<0.066	<0.17	<0.17	<0.33	<0.33	<0.17	<0.066	<0.066	<0.066	<0.066	<0.33	<0.17	<0.066
AI-SB03-12	12	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB03-20	20	2/14/2008	<0.067	0.0066 J	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.014 J	<0.17	0.031 J	0.026 J	0.0083 J J	0.043 J	<0.33	<0.17	0.018
AI-SB05-10	10	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.03 J	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB05-20	20	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB06-10	10	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB06-15	15	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.035 J	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB06-20	20	2/15/2008	0.014	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB03a-10	10	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.014 J	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB03a-15	15	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB03a-20	20	2/15/2008	<0.067	0.0047 J	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	0.025 J	0.018 J	<0.067 J	0.021 J	0.052 J	<0.17	0.016
AI-SB03a-25	25	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.01 J	<0.17	<0.067	<0.067	<0.067	<0.067	0.053 J	<0.17	<0.067
AI-SB03a-30	30	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.024 J	<0.17	0.0053 J	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB03a-35	35	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.028 J	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.067
AI-SB07-10	10	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.011 J	<0.17	<0.067	<0.067	<0.067	<0.067	0.051 J	<0.17	<0.067
AI-SB07-15	15	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	0.012 J	<0.17	0.015 J	0.019 J	0.01 J J	0.029 J	<0.33	<0.17	0.0093
AI-SB27-15	15	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.17	<0.17	<0.33	<0.33	<0.17	0.0066 J	0.0046	<0.067	<0.067	<0.33	<0.17	0.0053
Number of Analysis																				
Number of Detections			1	2	0	0	0	0	0	0	0	11	0	5	4	2	3	3	0	4
Minimum Concentration			0.014	0.0047	0	0	0	0	0	0	0	0.01	0	0.0053	0.0046	0.0083	0.021	0.051	0	0.0053
Maximum Concentration			0.014	0.0066	0	0	0	0	0	0	0	0.07	0	0.031	0.026	0.01	0.043	0.053	0	0.018
ESL			16	2.8	13	--	--	0.0004	--	--	0.38	35	--	0.38	0.038	0.38	27	--	--	23
EPA SL			3,400	17000	--	4.9	180	0.19	31000	12000	0.15	35	6100	0.15	0.015	1.5	--	240000	--	15
Exceedances			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sample ID	2-Chlorophenol	2-Chloronaphthalene	4-Chlorophenyl phenyl ether	4-Chloroaniline	4-Chloro-3-methylphenol	Dibenz(a,h)anthracene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	2,4-Dimethylphenol	2,4-Dichlorophenol	Dimethyl phthalate	2,4-Dinitrotoluene	Dibenzofuran	2,4-Dinitrophenol	2,6-Dinitrotoluene	Diethyl phthalate	3-3'-Dichlorobenzidine	Di-n-octyl phthalate
AI-SB01-10	<0.066	<0.066	<0.17	<0.066	<0.17	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	0.014 J	<0.33	<0.066	<0.066	<0.066	<0.17	<0.17	<0.99
AI-SB01-18	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<0.99
AI-SB02-10	<3.3	<3.3	<8.4	<3.3	<8.4	<3.3	<3.3	<3.3	<3.3	<3.3	<16	<8.4	<16	<3.3	<3.3	<3.3	<8.4	<8.4	<50
AI-SB02-25	<0.066	<0.066	<0.17	<0.066	<0.17	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.17	<0.33	<0.066	<0.066	<0.066	<0.17	<0.17	<0.99
AI-SB03-12	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB03-20	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17 J	<1.0
AI-SB05-10	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB05-20	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB06-10	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<0.99
AI-SB06-15	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<0.99
AI-SB06-20	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB03a-10	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB03a-15	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<0.99
AI-SB03a-20	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17 J	<1.0
AI-SB03a-25	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB03a-30	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB03a-35	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB07-10	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17	<1.0
AI-SB07-15	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17 J	<1.0
AI-SB27-15	<0.067	<0.067	<0.17	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.067	<0.067	<0.067	<0.17	<0.17 J	<0.99
Number of Analysis																			
Number of Detections	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Minimum Concentration	0	0	0	0	0	0	0	0	0	0	0	0.014	0	0	0	0	0	0	0
Maximum Concentration	0	0	0	0	0	0	0	0	0	0	0	0.014	0	0	0	0	0	0	0
ESL	0.012	--	--	--	--	0.062	7.4	0.59	1.1	0.67	0.3	0.035	0.00039	--	0.042	--	0.035	0.0077	--
EPA SL	390	--	--	--	--	0.015	--	2.6	200	1,200	180	--	120	150	120	61	49,000	1.1	--
Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

All concentrations reported above the reporting limit are highlighted in **bold**.

All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*

< = not detected

μg/kg = micrograms per kilogram

B = blank detection

bgs = below ground surface

EPA = (U.S.) Environmental Protection Agency

ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)

J = Estimated concentration above the method detection limit but below the reporting limit

mg/kg = milligrams per kilogram

PCB = polychlorinated biphenyl

SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

TPH = total petroleum hydrocarbons

ERRG

Table 3. Soil Sampling Results *(continued)*

Sample ID	Sample Depth (feet bgs)	Date Sampled	SemiVolatile Organic Compounds (EPA Method 8270C) (all concentrations in mg/kg) *(continued)*																												Metals (EPA Method 6010) and Mercury (EPA Method 7471) (all concentrations in mg/kg)							
			Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Indeno[1,2,3-cd]pyrene	2-Methylnaphthalene	2-Methylphenol	2-Methyl-4,6-dinitrophenol	4-Methylphenol	Naphthalene	N-Nitrosodi-n-propylamine	Nitrobenzene	2-Nitrophenol	2-Nitroaniline	3-Nitroaniline	4-Nitrophenol	4-Nitroaniline	N-Nitrosodiphenylamine	Pentachlorophenol	Phenol	Phenathrene	Pyrene	1,2,4-Trichlorobenzene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	Arsenic	Barium	Cadmium	Chromium	Mercury	Lead	Selenium	Silver
Al-SB01-10	10	2/14/2008	<0.066	<0.066	<0.066	<0.066	<0.066	<0.17	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.17	<0.33	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	**2.1**	**73**	<0.52	**22**	<0.048	**4.1**	<2.1	<1.0
Al-SB01-18	18	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**3.5**	**55**	<0.53	**18**	**0.083**	**4.0**	<2.1	<1.1
Al-SB02-10	10	2/14/2008	<3.3	0.6 J	<3.3	<3.3	<3.3	<8.4	<3.3	<3.3	**1.5** J	<3.3	<16	<3.3	<3.3	<3.3	<3.3	<3.3	<16	<8.4	<16	<16	<3.3	<16	<3.3	0.76 J	<3.3	<3.3	<3.3	<3.3	**1.7**	**100**	<0.51	**42**	**0.093**	**4.4**	<2.0	<1.0
Al-SB02-25	25	2/14/2008	<0.066	<0.066	<0.066	<0.066	<0.066	<0.17	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.17	<0.33	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.96	**18**	<0.48	**24**	<0.048	**1.3**	<1.9	<0.96
Al-SB03-12	12	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**2.1**	**29**	<0.48	**12**	**0.20**	**1.9**	<1.9	<0.95
Al-SB03-20	20	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	0.032	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	0.041 J	<0.067	<0.067	<0.067	**2.8**	**34**	<0.51	**29**	<0.048	**3.6**	<2.0	<1.0
Al-SB05-10	10	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**1.8**	**110**	<0.52	**36**	**0.050**	**2.5**	<2.1	<1.0
Al-SB05-20	20	2/14/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	0.045 J	<0.067	<0.067	<0.067	<0.067	<0.067	**2.4**	**82**	<0.49	**39**	<0.050	**3.6**	<1.9	<0.97
Al-SB06-10	10	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**1.3**	**59**	<0.48	**34**	**0.078**	**2.5**	<1.9	<0.96
Al-SB06-15	15	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	0.02 J	<0.067	<0.067	<0.067	<0.067	<0.067	**1.5**	**54**	<0.52	**35**	<0.052	**2.6**	<2.1	<1.0
Al-SB06-20	20	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	0.038 J	<0.067	<0.33	<0.067	**0.44**	<0.067	<0.067	<0.067	<0.33	<0.17 J	<0.33	<0.33	<0.067	<0.33	0.019 J	<0.067	<0.067	<0.067	<0.067	<0.067	**2.8**	**47**	<0.48	**37**	**0.057**	**4.6**	<1.9	<0.96
Al-SB03a-10	10	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**2.5**	**77**	<0.52	**47**	<0.049	**2.7**	<2.1	<1.0
Al-SB03a-15	15	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**4.9**	**73**	<0.51	**44**	<0.048	**3.7**	<2.0	<1.0
Al-SB03a-20	20	2/15/2008	0.037 J	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	0.012	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	0.012 J	0.03 J	<0.067	<0.067	<0.067	**4.5**	**71**	<0.50	**37**	**0.11**	**6.5**	<2.0	<0.99
Al-SB03a-25	25	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	0.061 J	<0.067	<0.067	<0.067	<0.067	<0.067	**3.5**	**23**	<0.50	**46**	<0.051	**4.3**	<2.0	<1.0
Al-SB03a-30	30	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**5.1**	**32**	<0.52	**47**	**0.068**	**14**	<2.1	<1.0
Al-SB03a-35	35	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**1.9**	**50**	<0.50	**18**	<0.048	**3.4**	<2.0	<0.99
Al-SB07-10	10	2/15/2008	<0.067	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**4.3**	**110**	<0.50	**49**	<0.048	**290**	<2.0	<1.0
Al-SB07-15	15	2/15/2008	0.012 J	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	0.013	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	0.034 J	<0.067	0.034 J	<0.067	<0.067	<0.067	**4.8**	**91**	<0.50	**51**	**0.18**	**14**	<2.0	<0.99
Al-SB27-15	15	2/15/2008	0.012 J	<0.067	<0.067	<0.067	<0.067	<0.17	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.17	<0.33	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**4.1**	**110**	<0.51	**49**	<0.048	**9.2**	<2.0	<1.0
Number of Analysis																																						
Number of Detections			3	1	0	0	0	0	0	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	5	2	3	0	0	0	19	20	0	20	9	20	0	0
Minimum Concentration			0.012	0.6	0	0	0	0	0	0.012	0.038	0	0	0	0.44	0	0	0	0	0	0	0	0	0	0.019	0.012	0.03	0	0	0	1.3	18	0	12	0.050	1.3	0	0
Maximum Concentration			0.037	0.6	0	0	0	0	0	0.032	1.5	0	0	0	0.44	0	0	0	0	0	0	0	0	0	0.061	0.76	0.041	0	0	0	5.1	110	0	51	0.20	290	0	0
ESL			40	8.9	0.34	2.2	3	--	--	0.62	0.25	--	--	--	1.3	--	--	--	--	--	--	--	--	--	3	0.076	11	85	1.5	0.23	0.18	0.39	750	1.7	750	1.3	200	10	20
EPA SL			2300	2,300	0.3	6.2	35	370	5,100	0.15	--	--	--	--	150	0.069	--	--	--	--	--	--	--	--	99	3	18,000	--	1700	180	44	6,100	0.39	15,000	70	120,000	6.7	15	390	390
Exceedances			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	1	0	0

Notes:

All concentrations reported above the reporting limit are highlighted in **bold**.

All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*

< = not detected

µg/kg = micrograms per kilogram

B = blank detection

bgs = below ground surface

EPA = (U.S.) Environmental Protection Agency

ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)

J = Estimated concentration above the method detection limit but below the reporting limit

mg/kg = milligrams per kilogram

PCB = polychlorinated biphenyl

SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

TPH = total petroleum hydrocarbons

ERRG

Table 3. Soil Sampling Results *(continued)*

			Polychlorinated Biphenyls (EPA Method 8082) (all concentrations in µg/kg)						
Sample ID	**Sample Depth (feet bgs)**	**Date Sampled**	**PCB-1016**	**PCB-1221**	**PCB-1232**	**PCB-1242**	**PCB-1248**	**PCB-1254**	**PCB-1260**
AI-SB01-10	10	2/14/2008	<49	<49	<49	<49	<49	<49	<49
AI-SB01-18	18	2/14/2008	<49	<49	<49	<49	<49	<49	<49
AI-SB02-10	10	2/14/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB02-25	25	2/14/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03-12	12	2/14/2008	<49	<49	<49	<49	<49	<49	<49
AI-SB03-20	20	2/14/2008	<49	<49	<49	<49	<49	<49	<49
AI-SB05-10	10	2/14/2008	<49	<49	<49	<49	<49	<49	<49
AI-SB05-20	20	2/14/2008	<49	<49	<49	<49	<49	<49	<49
AI-SB06-10	10	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB06-15	15	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB06-20	20	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03a-10	10	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03a-15	15	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03a-20	20	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03a-25	25	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03a-30	30	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB03a-35	35	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB07-10	10	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB07-15	15	2/15/2008	<50	<50	<50	<50	<50	<50	<50
AI-SB27-15	15	2/15/2008	<50	<50	<50	<50	<50	<50	<50
Number of Analysis									
Number of Detections			0	0	0	0	0	0	0
Minimum Concentration			0	0	0	0	0	0	0
Maximum Concentration			0	0	0	0	0	0	0
ESL			220	220	220	220	220	220	220
EPA SL			3,900	170	170	220	220	220	220
Exceedances			0	0	0	0	0	0	0

Notes:

All concentrations reported above the reporting limit are highlighted in **bold**.

All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*

< = not detected

µg/kg = micrograms per kilogram

B = blank detection

bgs = below ground surface

EPA = (U.S.) Environmental Protection Agency

ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)

J = Estimated concentration above the method detection limit but below the reporting limit

mg/kg = milligrams per kilogram

PCB = polychlorinated biphenyl

SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

TPH = total petroleum hydrocarbons

Table 4. Groundwater Sampling Results

Sample ID	Date Sampled	TPH-Gasoline Range (µg/L)	TPH-Diesel Range (µg/L)	TPH-Oil & Grease (mg/L)	Volatile Organic Compounds (EPA Method 8260B) (all concentrations in µg/L)															
					Methyl tert-butyl ether	Acetone	Benzene	Dichlorobromomethane	Bromobenzene	Chlorobromomethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
AI-SB01-W	2/14/2008	<50	**950**	**1.5** J	<5.0	<50	<0.50	<0.50	<1.0	<1.0	<1.0	0.24 JB	<50	<1.0	<1.0	<1.0	<5.0	<0.50	<0.50	<1.0
AI-SB02-W	2/14/2008	**71**	**1200**	**1.5** J	0.17 J	<50	0.048 J	<0.50	<1.0	<1.0	<1.0	0.2 JB	0.87 JB	0.47 J	0.19 J	<1.0	0.18 J	<0.50	<0.50	<1.0
AI-SB20-W	2/14/2008	**71**	**710**	**0.64** J	<5.0	<50	<0.50	<0.50	<1.0	<1.0	<1.0	0.18 JB	<50	0.42 J	0.48 J	0.077 J	<5.0	<0.50	<0.50	<1.0
AI-SB03-W	2/14/2008	**79**	**770**	**1** J	<5.0	<50	<0.50	<0.50	<1.0	<1.0	<1.0	0.21 JB	<50	0.54 J	0.59 J	0.092 J	0.081 J	0.081 J	<0.50	<1.0
AI-SB05-W	2/14/2008	<50	**600**	**1.9** J	0.14 J	9.3 J	<0.50	<0.50	<1.0	<1.0	<1.0	0.19 JB	2.1 JB	<1.0	<1.0	<1.0	0.17 J	<0.50	<0.50	<1.0
AI-SB06-W	2/15/2008	<50	**470**	<2.0	0.66 J	<50	0.83 B	<0.50	<1.0	<1.0	<1.0	0.022 JB	<50	0.34 JB	<1.0	<1.0	0.24 J	<0.50	<0.50	<1.0
AI-SB07-W	2/15/2008	<50	**130**	**2.7**	0.22 J	7.6 JB	<0.50	<0.50	<1.0	<1.0	<1.0	0.022 JB	1.8 J	<1.0	<1.0	<1.0	0.12 J	<0.50	<0.50	<1.0
AI-TB01	2/15/2008	<50	NA	NA	<5.0	<50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0	0.57 J	<0.50	<0.50	<1.0
Number of Analysis																				
Number of Detections		3	7	6	0	0	1	0	0	0	0	7	3	4	3	2	6	1	0	0
Minimum Concentration		71	130	0.640	0	7.6	0.048	0	0	0	0	0.022	0.87	0.34	0.19	0.077	0.081	0.081	0	0
Maximum Concentration		79	1,200	2.7	0.66	9.3	0.83	0	0	0	0	0.24	2.1	0.54	0.59	0.092	0.57	0.081	0	0
ESL		100	100	0.1	5.0	1,500	1.0	100	--	--	100	9.8	4,200	--	--	--	--	0.50	25	12
Exceedances of ESL		0	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESL-Estuary		210	210	0.21	180	1,500	46	1,100	--	--	360	160	8,400	--	--	--	--	4.4	25	12
Exceedances of ESL-Estuary		0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

All concentrations reported above the reporting limit are highlighted in **bold**.

All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*

< = not detected

µg/L = micrograms per liter

B = blank detection

bgs = below ground surface

EPA = (U.S.) Environmental Protection Agency

ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)

ESL-Estuary = environmental screening levels for estuarine surface water bodies (San Francisco Bay Regional Water Quality Control Board, 2008)

J = Estimated concentration above the method detection limit but below the reporting limit

mg/L = milligrams per liter

PCB = polychlorinated biphenyl

SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

Table 4. Groundwater Sampling Results *(continued)*

Sample ID	Date Sampled	Volatile Organic Compounds (EPA Method 8260B) (all concentrations in µg/L) *(continued)*																					
		Chloroform		Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Chlorodibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,3-Dichloropropane	1,1-Dichloropropene	1,2-Dibromo-3-Chloropropane	Ethylene Dibromide	Dibromomethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene
Al-SB01-W	2/14/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-SB02-W	2/14/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-SB20-W	2/14/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-SB03-W	2/14/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-SB05-W	2/14/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-SB06-W	2/15/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-SB07-W	2/15/2008	<1.0		<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Al-TB01	2/15/2008	0.13	J	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Number of Analysis																									
Number of Detections		1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		0.13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration		0.13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESL		70		41	--	--	100	10	65	5.0	0.5	--	0.20	--	--	--	5.0	0.5	6.0	6.0	10	5.0	--	--
Exceedances of ESL		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESL-Estuary		470		1,100	--	--	46	10	65	11	--	--	0.2	--	--	--	47	99	3.2	590	260	10	--	--
Exceedances of ESL-Estuary		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
All concentrations reported above the reporting limit are highlighted in **bold**.
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J = Estimated concentration above the method detection limit but below the reporting limit
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

Table 4. Groundwater Sampling Results *(continued)*

Sample ID	Date Sampled	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Naphthalene	N-Propylbenzene	Styrene	1,1,1,2-Tetrachoroethane	1,1,2,2-Tetrachoroethane	Tetrachoroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
		Volitile Organic Compounds (EPA Method 8260B) (all concentrations in µg/L) *(continued)*																		
AI-SB01-W	2/14/2008	0.042 J	<1.0	<50	<0.50	<1.0	<5.0	<50	<1.0	<1.0	<0.50	<0.50	<0.50	0.062 J	0.27 J	<1.0	<1.0	<0.50	<0.50	<0.50
AI-SB02-W	2/14/2008	0.048 J	<1.0	<50	<0.50	0.26 J	0.058 JB	<50	0.39 J	0.056 J	<0.50	<0.50	<0.50	0.068 J	0.35 J	<1.0	<1.0	<0.50	<0.50	<0.50
AI-SB20-W	2/14/2008	0.043 J	<1.0	<50	<0.50	<1.0	<5.0	<50	0.21 J	0.062 J	<0.50	<0.50	<0.50	<0.50	0.19 J	<1.0	<1.0	<0.50	<0.50	<0.50
AI-SB03-W	2/14/2008	0.058 J	<1.0	<50	<0.50	<1.0	<5.0	<50	0.28 J	0.068 J	<0.50	<0.50	<0.50	<0.50	0.22 J	<1.0	<1.0	<0.50	<0.50	<0.50
AI-SB05-W	2/14/2008	0.078 J	<1.0	<50	<0.50	<1.0	<5.0	<50	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	0.23 J	<1.0	<1.0	<0.50	<0.50	<0.50
AI-SB06-W	2/15/2008	**0.68**	<1.0	<50	0.077 J	<1.0	<5.0	<50	**16**	<1.0	<0.50	<0.50	<0.50	0.21 JB	**0.61**	<1.0	<1.0	<0.50	<0.50	<0.50
AI-SB07-W	2/15/2008	0.37 J	<1.0	<50	<0.50	<1.0	<5.0	<50	0.2 J	<1.0	0.059 J	<0.50	<0.50	0.13 JB	0.4 J	0.2 J	<1.0	<0.50	<0.50	<0.50
AI-TB01	2/15/2008	<0.50	<1.0	<50	<0.50	<1.0	0.094 JB	<50	<1.0	<1.0	<0.50	<0.50	<0.50	0.1 JB	<0.50	<1.0	0.19 J	<0.50	<0.50	<0.50
Number of Analysis																				
Number of Detections		7	0	0	1	1	2	0	5	3	1	0	0	5	7	1	1	0	0	0
Minimum Concentration		0.042	0	0	0.077	0.26	0.058	0	0.2	0.056	0.059	0	0	0.06	0.19	0.20	0.19	0	0	0
Maximum Concentration		0.68	0	0	0.077	0.26	0.094	0	16	0.068	0.059	0	0	0.21	0.61	0.2	0.19	0	0	0
ESL		30	0.45	--	--	--	5.0	120	17	--	10	1.3	1.0	5.0	40	--	5.0	62	5.0	5.0
Exceedances of ESL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0
ESL-Estuary		30	0.93	--	--	--	1,600	170	21	--	11	930	11	--	40	--	25	62	42	81
Exceedances of ESL-Estuary		0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0

Notes:
All concentrations reported above the reporting limit are highlighted in **bold**.
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J = Estimated concentration above the method detection limit but below the reporting limit
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

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Table 4. Groundwater Sampling Results *(continued)*

		Volitile Organic Compounds (EPA Method 8260B) (all concentrations in µg/L) *(continued)*									Semivolatile Organic Compounds (EPA Method 8270C) (all concentrations in µg/L)											
Sample ID	**Date Sampled**	**Trichlorofluoromethane**	**1,2,3-Trichloropropane**	**1,1,2-Trichloro-1,2-trifluoroethane**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**Vinyl acetate**	**Vinyl chloride**	**Xylenes, Total**	**2,2-Dichloropropane**	**Phenol**	**Bis(2-chlorethyl)ether**	**2-Chlorophenol**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**Benzyl Alcohol**	**1,2-Dichlorobenzene**	**2-Methylphenol**	**4-Methylphenol**	**N-Nitrosodi-n-proplyamine**	**Hexachlorethane**	**Nitrobenzene**
Al-SB01-W	2/14/2008	<1.0	<0.50	<0.50	0.042 J	<0.50	<50	<0.50	<1.0	<0.50	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Al-SB02-W	2/14/2008	<1.0	<0.50	<0.50	**0.83**	<0.50	<50	<0.50	<1.0	<0.50	0.31 J	<2.4	<2.4	<2.4	<2.4	<5.9	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
Al-SB20-W	2/14/2008	<1.0	<0.50	<0.50	0.071 J	<0.50	<50	<0.50	<1.0	<0.50	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Al-SB03-W	2/14/2008	<1.0	<0.50	<0.50	0.066 J	<0.50	<50	<0.50	<1.0	<0.50	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Al-SB05-W	2/14/2008	<1.0	<0.50	<0.50	0.036 J	<0.50	<50	<0.50	<1.0	<0.50	0.22 J	<2.3	<2.3	<2.3	<2.3	<5.8	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
Al-SB06-W	2/15/2008	<1.0	<0.50	<0.50	0.32 J	0.064 J	<50	0.047 J	**1.6**	<0.50	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Al-SB07-W	2/15/2008	<1.0	<0.50	<0.50	0.061 J	<0.50	<50	<0.50	**1.7**	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<6.3	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Al-TB01	2/15/2008	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<1.0	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Number of Analysis																						
Number of Detections		0	0	0	7	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		0	0	0	0.04	0.06	0	0.05	1.6	0	0.22	0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration		0	0	0	0.83	0.064	0	0.047	1.7	0	0.31	0	0	0	0	0	0	0	0	0	0	0
ESL		--	--	--	--	--	--	0.5	20	--	5.0	0.032	0.18	65	5.0	--	10	--	--	--	0.9	--
Exceedances of ESL		--	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--
ESL-Estuary		--	--	--	--	--	--	530	100	--	260	1.4	0.18	65	11	--	10	--	--	--	8.9	--
Exceedances of ESL-Estuary		--	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--

Notes:
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J = Estimated concentration above the method detection limit but below the reporting limit
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

Table 4. Groundwater Sampling Results *(continued)*

Sample ID	Date Sampled	Semivolatile Organic Compounds (EPA Method 8270C) (all concentrations in µg/L) *(continued)*																				
		Isophorone	2-Nitrophenol	2,4-Dimethylphenol	Bis(2-chloroethoxyl)methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene	Naphthalene	4-Chloroaniline	Hexachlorobutadiene	4-Chloro-3-methylphenol	2-Methylnaphthalene		Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethyl phthalate	Acenaphthylene	3-Nitroaniline	Acenaphthene	2,4-Dinitrotoluene	4-Nitrophenol
Al-SB01-W	2/14/2008	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1		<5.2	<2.1	<2.1	<2.1	<10	<5.2	<2.1	<5.2	<2.1	<10	<10
Al-SB02-W	2/14/2008	<2.4	<2.4	<2.4	<5.9	<5.9	<2.4	<2.4	<2.4	<2.4	<5.9	0.39	J	<5.9	<2.4	<2.4	<2.4	<12	<5.9	<2.4	<5.9	<2.4	<12	<12
Al-SB20-W	2/14/2008	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1		<5.2	<2.1	<2.1	<2.1	<10	<5.2	<2.1	<5.2	<2.1	<10	<10
Al-SB03-W	2/14/2008	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1		<5.2	<2.1	<2.1	<2.1	<10	<5.2	<2.1	<5.2	<2.1	<10	<10
Al-SB05-W	2/14/2008	<2.3	<2.3	<2.3	<5.8	<5.8	<2.3	<2.3	<2.3	<2.3	<5.8	<2.3		<5.8	<2.3	<2.3	<2.3	<12	<5.8	<2.3	<5.8	<2.3	<12	<12
Al-SB06-W	2/15/2008	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	**11**	<2.1	<2.1	<5.2	<2.1		<5.2	<2.1	<2.1	<2.1	<10	<5.2	<2.1	<5.2	<2.1	<10	<10
Al-SB07-W	2/15/2008	<2.5	<2.5	<2.5	<6.3	<6.3	<2.5	<2.5	<2.5	<2.5	<6.3	<2.5		<6.3	<2.5	<2.5	<2.5	<13	<6.3	<2.5	<6.3	<2.5	<13	<13
Al-TB01	2/15/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Number of Analysis																								
Number of Detections		0	0	0	0	0	0	1	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		0	0	0	0	0	0	11	0	0	0	0.39		0	0	0	0	0	0	0	0	0	0	0
Maximum Concentration		0	0	0	0	0	0	11	0	0	0	0.39		0	0	0	0	0	0	0	0	0	0	0
ESL		--	--	100	--	0.3	5	17	--	0.45	--	2.1		--	0.7	11	--	--	1.5	30	--	20	0.051	--
Exceedances of ESL		--	--	0	--	0	0	0	--	0	--	0		--	0	0	--	--	0	0	--	0	0	--
ESL-Estuary		--	--	110	--	0.3	25	21	--	0.93	--	2.1		--	6.5	11	--	--	1.5	30	--	20	9.1	--
Exceedances of ESL-Estuary		--	--	0	--	0	0	0	--	0	--	0		--	0	0	--	--	0	0	--	0	0	--

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mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

Table 4. Groundwater Sampling Results *(continued)*

Sample ID	Date Sampled	Semivolatile Organic Compounds (EPA Method 8270C) (all concentrations in µg/L) *(continued)*																						
		Dibenzofuran	2,4-Dinitrophenol	2,6-Dinitrotoluene	Diethyl phthalate		4-Chlorophenyl phenyl ether	Fluorene	4-Nitroaniline	2-Methyl-4,6-dinitrophenol	N-Nitrosodiphenylamine	4-Bromophenyl phenyl ether	Hexachlorobenzene	Pentachlorophenol	Phenathrene	Anthracene	Di-n-butyl phthalate		Fluoranthene	Pyrene		Butyl benzyl phthalate	3-3'-Dichlorobenzidine	Benzo[a]anthracene	Bis(2-ethylhexyl)phthalate	
Al-SB01-W	2/14/2008	<2.1	<2.1	<5.2	1.1	J	<5.2	<2.1	<10	<10	<2.1	<5.2	<2.1	<10	<2.1	<2.1	<5.2		<2.1	<2.1		<5.2	<5.2	<5.2	<10	
Al-SB02-W	2/14/2008	<2.4	<2.4	<5.9	5.9	J	<5.9	<2.4	<12	<12	<2.4	<5.9	<2.4	<12	<2.4	<2.4	0.54	J	<2.4	<2.4		<5.9	<5.9	<5.9	<12	
Al-SB20-W	2/14/2008	<2.1	<2.1	<5.2	1.1	J	<5.2	<2.1	<10	<10	<2.1	<5.2	<2.1	<10	<2.1	<2.1	<5.2		<2.1	<2.1		<5.2	<5.2	<5.2	<10	
Al-SB03-W	2/14/2008	<2.1	<2.1	<5.2	<5.2		<5.2	<2.1	<10	<10	<2.1	<5.2	<2.1	<10	<2.1	<2.1	<5.2		<2.1	<2.1		<5.2	<5.2	<5.2	**7.7**	**J**
Al-SB05-W	2/14/2008	<2.3	<2.3	<5.8	<5.8		<5.8	<2.3	<12	<12	<2.3	<5.8	<2.3	<12	<2.3	<2.3	<5.8		<2.3	<2.3		<5.8	<5.8	<5.8	<12	
Al-SB06-W	2/15/2008	<2.1	<2.1	<5.2	<5.2		<5.2	<2.1	<10	<10	<2.1	<5.2	<2.1	<10	<2.1	<2.1	<5.2		<2.1	<2.1		<5.2	<5.2	<5.2	<10	
Al-SB07-W	2/15/2008	<2.5	<2.5	<6.3	<6.3		<6.3	<2.5	<13	<13	<2.5	<6.3	<2.5	<13	<2.5	<2.5	<6.3		<2.5	1.5	J	<6.3	<6.3	<6.3	<13	
Al-TB01	2/15/2008	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA	NA	NA	
Number of Analysis																										
Number of Detections		0	0	0	3		0	0	0	0	0	0	0	0	0	0	1		0	1		0	0	0	1	
Minimum Concentration		0	0	0	1.1		0	0	0	0	0	0	0	0	0	0	0.54		0	1.5		0	0	0	7.7	
Maximum Concentration		0	0	0	5.9		0	0	0	0	0	0	0	0	0	0	0.54		0	1.5		0	0	0	7.7	
ESL		--	15	--	1.5		--	3.9	--	--	--	--	1	1	4.6	0.73	--		8	2		--	0.0290	0.027	4	
Exceedances of ESL		--	0	--	1		--	0	--	--	--	--	0	0	0	0	--		0	0		--	0	0	1	
ESL-Estuary		--	15	--	1.5		--	3.9	--	--	--	--	0.00077	7.9	4.6	0.73	--		8	2		--	0.077	0.027	5.9	
Exceedances of ESL-Estuary		--	0	--	0		--	0	--	--	--	--	0	0	0	0	--		0	0		--	0	0	1	

Notes:
All concentrations reported above the reporting limit are highlighted in **bold**.
All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*
< = not detected
µg/L = micrograms per liter
B = blank detection
bgs = below ground surface
EPA = (U.S.) Environmental Protection Agency
ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)
ESL-Estuary = environmental screening levels for estuarine surface water bodies (San Francisco Bay Regional Water Quality Control Board, 2008)
J = Estimated concentration above the method detection limit but below the reporting limit
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

Table 4. Groundwater Sampling Results *(continued)*

		Semivolatile Organic Compounds (EPA Method 8270C) (all concentrations in µg/L) *(continued)*													Metals (EPA Method 6010) and Mercury (EPA Method 7471) (all concentrations in mg/L)							
Sample ID	**Date Sampled**	**Chrysene**		**Di-n-octyl phthalate**	**Benzo[b]fluoranthene**		**Benzo[a]pyrene**		**Benzo[k]fluoranthene**	**Indo[1,2,3-cd]pyrene**	**Benzo[g,h,i']perylene**		**Benzoic acid**		**Azobenzene**	**Dibenz(a,h)anthracene**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Mercury**	**Lead**	**Selenium**	**Silver**
Al-SB01-W	2/14/2008	<2.1		<21	<2.1		<2.1		<2.1	<2.1	<2.1		2.4	J	<2.1	<2.1	<0.0050	**0.31**	<0.0020	**0.026**	<0.00020	**0.0053**	<0.0050	<0.0050
Al-SB02-W	2/14/2008	<2.4		<24	<2.4		<2.4		<2.4	<2.4	<2.4		**13**		<2.4	<2.4	**0.031**	**0.98**	<0.0020	**0.48**	**0.00065**	**0.067**	<0.0050	<0.0050
Al-SB20-W	2/14/2008	<2.1		<21	<2.1		<2.1		<2.1	<2.1	<2.1		1.9	J	<2.1	<2.1	<0.0050	**0.26**	<0.0020	**0.0059**	<0.00020	<0.0050	<0.0050	<0.0050
Al-SB03-W	2/14/2008	<2.1		<21	<2.1		<2.1		<2.1	<2.1	<2.1		1.9	J	<2.1	<2.1	<0.0050	**0.26**	<0.0020	**0.0057**	<0.00020	<0.0050	<0.0050	<0.0050
Al-SB05-W	2/14/2008	<2.3		<23	<2.3		<2.3		<2.3	<2.3	<2.3		2.3	J	<2.3	<2.3	**0.038**	**1.9**	<0.0020	**0.55**	**0.00077**	**0.057**	<0.0050	<0.0050
Al-SB06-W	2/15/2008	<2.1		<21	<2.1		<2.1		<2.1	<2.1	<2.1		<10		<2.1	<2.1	**0.0077**	**0.81**	<0.0020	**0.054**	<0.00020	**0.029**	<0.0050	<0.0050
Al-SB07-W	2/15/2008	**0.3**	**J**	<25	**0.56**	**J**	**0.66**	**J**	<2.5	<2.5	**1.1**	**J**	2.2	J	<2.5	<2.5	<0.0050	**0.98**	<0.0020	**0.020**	<0.00020	<0.0050	<0.0050	<0.0050
Al-TB01	2/15/2008	NA		NA	NA		NA		NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Number of Analysis																								
Number of Detections		1		0	1		1		0	0	1		6		0	0	3	7	0	7	2	4	0	0
Minimum Concentration		0.3		0	0.56		0.66		0	0	1.1		1.9		0	0	0.01	0.26	0	0.0057	0.00065	0.0053	0	0
Maximum Concentration		0.3		0	0.56		0.66		0	0	1.1		13		0	0	0.038	1.9	0	0.55	0.00077	0.067	0	0
ESL		0.35		--	0.029		0.014		0.029	0.048	0.1		--		--	0.0048	0.036	1	0.00025	0.05	0.000025	0.0025	0.005	0.00019
Exceedances of ESL		0		--	1		1		0	0	1		--		--	0	1	1	0	3	2	4	0	0
ESL-Estuary		0.049		--	0.029		0.014		0.049	0.048	0.1		--		--	0.049	0.00014	1	0.00025	0.18	0.000025	0.0025	0.005	0.00019
Exceedances of ESL-Estuary		1		--	1		1		0	0	1		--		--	0	3	1	0	2	2	4	0	0

Notes:
All concentrations reported above the reporting limit are highlighted in **bold**.
All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

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µg/L = micrograms per liter
B = blank detection
bgs = below ground surface
EPA = (U.S.) Environmental Protection Agency
ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)
ESL-Estuary = environmental screening levels for estuarine surface water bodies (San Francisco Bay Regional Water Quality Control Board, 2008)
J = Estimated concentration above the method detection limit but below the reporting limit
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

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Table 4. Groundwater Sampling Results *(continued)*

		Polychlorinated Biphenyls (EPA Method 8082) (all concentrations in µg/L)						
Sample ID	**Date Sampled**	**PCB-1016**	**PCB-1221**	**PCB-1232**	**PCB-1242**	**PCB-1248**	**PCB-1254**	**PCB-1260**
AI-SB01-W	2/14/2008	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
AI-SB02-W	2/14/2008	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
AI-SB20-W	2/14/2008	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
AI-SB03-W	2/14/2008	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
AI-SB05-W	2/14/2008	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
AI-SB06-W	2/15/2008	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
AI-SB07-W	2/15/2008	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
AI-TB01	2/15/2008	NA	NA	NA	NA	NA	NA	NA
Number of Analysis								
Number of Detections		0	0	0	0	0	0	0
Minimum Concentration		0	0	0	0	0	0	0
Maximum Concentration		0	0	0	0	0	0	0
ESL		0.014	0.014	0.014	0.014	0.014	0.014	0.014
Exceedances of ESL		0	0	0	0	0	0	0
ESL-Estuary		0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017
Exceedances of ESL-Estuary		0	0	0	0	0	0	0

Notes:
All concentrations reported above the reporting limit are highlighted in **bold**.
All estimated (J-qualified) concentrations reported above the ESL are highlighted in **bold**. All other estimated concentrations are not highlighted in bold.

-- = Concentration not available*
< = not detected
µg/L = micrograms per liter
B = blank detection
bgs = below ground surface
EPA = (U.S.) Environmental Protection Agency
ESL= environmental screening level (San Francisco Bay Regional Water Quality Control Board, 2008)
ESL-Estuary = environmental screening levels for estuarine surface water bodies (San Francisco Bay Regional Water Quality Control Board, 2008)
J = Estimated concentration above the method detection limit but below the reporting limit
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
SL = "Screening Levels for Chemical Contaminants" (EPA, 2008b)

Appendix A. Applicable Environmental Screening Levels

- Table A. Environmental Screening Levels (ESLs), Shallow Soils (<3m bgs), Groundwater is Current or Potential Source of Drinking Water (RWQCB, 2008)
- Table F-2c. ESLs Surface Water Screening Levels, Estuary Habitats (RWQCB, 2008)
- EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites (EPA, 2008)
- Table B. Environmental Screening Levels (ESLs), Shallow Soils (<3 m bgs), Groundwater is not a Current or Potential Source of Drinking Water (RWQCB, 2008)

Table A. Environmental Screening Levels (ESLs)
Shallow Soils (≤3m bgs)
Groundwater is Current or Potential Source of Drinking Water

	[1]Shallow Soil		
Chemical	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
Acenaphthene	1.6E+01	1.6E+01	2.0E+01
Acenaphthylene	1.3E+01	1.3E+01	3.0E+01
Acetone	5.0E-01	5.0E-01	1.5E+03
Aldrin	3.2E-02	1.3E-01	2.0E-03
Anthracene	2.8E+00	2.8E+00	7.3E-01
Antimony	6.3E+00	4.0E+01	6.0E+00
Arsenic	3.9E-01	1.6E+00	3.6E+01
Barium	7.5E+02	1.5E+03	1.0E+03
Benzene	4.4E-02	4.4E-02	1.0E+00
Benzo(a)anthracene	3.8E-01	1.3E+00	2.7E-02
Benzo(b)fluoranthene	3.8E-01	1.3E+00	2.9E-02
Benzo(k)fluoranthene	3.8E-01	1.3E+00	2.9E-02
Benzo(g,h,i)perylene	2.7E+01	2.7E+01	1.0E-01
Benzo(a)pyrene	3.8E-02	1.3E-01	1.4E-02
Beryllium	4.0E+00	8.0E+00	5.3E-01
1,1-Biphenyl	6.5E-01	6.5E-01	5.0E-01
Bis(2-chloroethyl) ether	4.0E-04	4.0E-04	3.2E-02
Bis(2-chloroisopropyl) ether	1.5E-04	1.5E-04	1.4E-02
Bis(2-ethylhexyl) phthalate	3.5E+01	1.2E+02	4.0E+00
Boron	1.6E+00	2.0E+00	1.6E+00
Bromodichloromethane	5.7E-01	1.3E+00	1.0E+02
Bromoform (Tribromomethane)	2.2E+00	2.2E+00	1.0E+02
Bromomethane	3.9E-01	3.9E-01	9.8E+00
Cadmium	1.7E+00	7.4E+00	2.5E-01
Carbon tetrachloride	2.0E-02	4.4E-02	5.0E-01
Chlordane	4.4E-01	1.7E+00	4.0E-03
p-Chloroaniline	5.3E-02	5.3E-02	5.0E+00
Chlorobenzene	1.5E+00	1.5E+00	2.5E+01
Chloroethane	8.5E-01	8.5E-01	1.2E+01
Chloroform	6.8E-01	1.5E+00	7.0E+01
Chloromethane	6.4E+00	6.4E+00	4.1E+01
2-Chlorophenol	1.2E-02	1.2E-02	1.8E-01
Chromium (total)			5.0E+01
Chromium III	7.5E+02	7.5E+02	1.8E+02
Chromium VI	8.0E+00	8.0E+00	1.1E+01
Chrysene	2.3E+01	2.3E+01	3.5E-01
Cobalt	4.0E+01	8.0E+01	3.0E+00
Copper	2.3E+02	2.3E+02	3.1E+00
Cyanide	3.6E-03	3.6E-03	1.0E+00
Dibenz(a,h)anthracene	6.2E-02	2.1E-01	4.8E-03
Dibromochloromethane	7.6E+00	8.3E+00	1.0E+02
1,2-dibromo-3-chloropropane	4.5E-03	4.5E-03	2.0E-01
1,2-Dibromoethane	3.3E-04	3.3E-04	5.0E-02
1,2-Dichlorobenzene	1.1E+00	1.1E+00	1.0E+01

Table A. Environmental Screening Levels (ESLs)
Shallow Soils (≤3m bgs)
Groundwater is Current or Potential Source of Drinking Water

Chemical	[1]Shallow Soil		[3]Groundwater (ug/L)
	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	
1,3-Dichlorobenzene	7.4E+00	7.4E+00	6.5E+01
1,4-Dichlorobenzene	5.9E-01	5.9E-01	5.0E+00
3,3-Dichlorobenzidine	7.7E-03	7.7E-03	2.9E-02
Dichlorodiphenyldichloroethane (DDD)	2.4E+00	1.0E+01	1.0E-03
Dichlorodiphenyldichloroethene (DDE)	1.7E+00	4.0E+00	1.0E-03
Dichlorodiphenyltrichloroethane (DDT)	1.7E+00	4.0E+00	1.0E-03
1,1-Dichloroethane	2.0E-01	2.0E-01	5.0E+00
1,2-Dichloroethane	4.5E-03	4.5E-03	5.0E-01
1,1-Dichloroethene	1.0E+00	1.0E+00	6.0E+00
cis-1,2-Dichloroethene	1.9E-01	1.9E-01	6.0E+00
trans-1,2-Dichloroethene	6.7E-01	6.7E-01	1.0E+01
2,4-Dichlorophenol	3.0E-01	3.0E-01	3.0E-01
1,2-Dichloropropane	1.2E-01	1.2E-01	5.0E+00
1,3-Dichloropropene	5.9E-02	5.9E-02	5.0E-01
Dieldrin	2.3E-03	2.3E-03	1.9E-03
Diethyl phthalate	3.5E-02	3.5E-02	1.5E+00
Dimethyl phthalate	3.5E-02	3.5E-02	1.5E+00
2,4-Dimethylphenol	6.7E-01	6.7E-01	1.0E+02
2,4-Dinitrophenol	4.2E-02	4.2E-02	1.5E+01
2,4-Dinitrotoluene	3.9E-04	3.9E-04	5.1E-02
1,4-Dioxane	1.8E-03	1.8E-03	3.0E+00
Dioxin (2,3,7,8-TCDD)	4.5E-06	1.8E-05	1.0E-06
Endosulfan	4.6E-03	4.6E-03	8.7E-03
Endrin	6.5E-04	6.5E-04	2.3E-03
Ethylbenzene	2.3E+00	3.3E+00	3.0E+01
Fluoranthene	4.0E+01	4.0E+01	8.0E+00
Fluorene	8.9E+00	8.9E+00	3.9E+00
Heptachlor	1.3E-02	1.3E-02	3.6E-03
Heptachlor epoxide	1.4E-02	1.4E-02	3.6E-03
Hexachlorobenzene	3.4E-01	1.3E+00	1.0E+00
Hexachlorobutadiene	2.2E+00	2.2E+00	4.5E-01
γ-Hexachlorocyclohexane (Lindane)	9.8E-03	9.8E-03	1.6E-02
Hexachloroethane	3.0E+00	3.0E+00	9.0E-01
Indeno(1,2,3-c,d)pyrene	6.2E-01	2.1E+00	4.8E-02
Lead	2.0E+02	7.5E+02	2.5E+00
Mercury (elemental)	1.3E+00	1.0E+01	2.5E-02
Methoxychlor	1.9E+01	1.9E+01	3.0E-03
Methylene chloride	7.7E-02	7.7E-02	5.0E+00
Methyl ethyl ketone	3.9E+00	3.9E+00	4.2E+03
Methyl isobutyl ketone	2.8E+00	2.8E+00	1.2E+02
Methyl mercury	1.2E+00	1.2E+01	3.0E-03
2-Methylnaphthalene	2.5E-01	2.5E-01	2.1E+00
tert-Butyl methyl ether	2.3E-02	2.3E-02	5.0E+00
Molybdenum	4.0E+01	4.0E+01	3.5E+01

Table A. Environmental Screening Levels (ESLs)
Shallow Soils (≤3m bgs)
Groundwater is Current or Potential Source of Drinking Water

	[1]Shallow Soil		
Chemical	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
Naphthalene	1.3E+00	2.8E+00	1.7E+01
Nickel	1.5E+02	1.5E+02	8.2E+00
Pentachlorophenol	3.0E+00	5.0E+00	1.0E+00
Perchlorate	1.1E+01	1.4E+02	6.0E+00
Phenanthrene	1.1E+01	1.1E+01	4.6E+00
Phenol	7.6E-02	7.6E-02	5.0E+00
Polychlorinated biphenyls (PCBs)	2.2E-01	7.4E-01	1.4E-02
Pyrene	8.5E+01	8.5E+01	2.0E+00
Selenium	1.0E+01	1.0E+01	5.0E+00
Silver	2.0E+01	4.0E+01	1.9E-01
Styrene	1.5E+00	1.5E+00	1.0E+01
tert -Butyl alcohol	7.5E-02	7.5E-02	1.2E+01
1,1,1,2-Tetrachloroethane	2.4E-02	2.4E-02	1.3E+00
1,1,2,2-Tetrachloroethane	1.8E-02	1.8E-02	1.0E+00
Tetrachloroethene	3.7E-01	7.0E-01	5.0E+00
Thallium	1.3E+00	1.6E+01	2.0E+00
Toluene	2.9E+00	2.9E+00	4.0E+01
Toxaphene	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	8.3E+01	8.3E+01	1.0E+02
TPH (middle distillates)	8.3E+01	8.3E+01	1.0E+02
TPH (residual fuels)	3.7E+02	2.5E+03	1.0E+02
1,2,4-Trichlorobenzene	1.5E+00	1.5E+00	5.0E+00
1,1,1-Trichloroethane	7.8E+00	7.8E+00	6.2E+01
1,1,2-Trichloroethane	7.0E-02	7.0E-02	5.0E+00
Trichloroethene	4.6E-01	4.6E-01	5.0E+00
2,4,5-Trichlorophenol	1.8E-01	1.8E-01	1.1E+01
2,4,6-Trichlorophenol	2.3E-01	2.3E-01	7.0E-01
Vanadium	1.6E+01	2.0E+02	1.5E+01
Vinyl chloride	2.2E-02	4.7E-02	5.0E-01
Xylenes	2.3E+00	2.3E+00	2.0E+01
Zinc	6.0E+02	6.0E+02	8.1E+01

Notes:

1. Shallow soils defined as soils less than or equal to 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses.
3. Assumes potential discharge of groundwater into a freshwater, marine or estuary surface water system.

Soil ESLs intended to address direct-exposure, groundwater protection, ecologic (urban areas) and nuisance concerns under noted land-use scenarios. **Soil gas data should be collected for additional evaluation of potential indoor-air impacts at sites with areas of VOC-contaminated soil.**

Groundwater ESLs intended to be address drinking water, surface water, indoor-air and nuisance concerns. **Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded.**

Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals.

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.).

Table F-2c. Surface Water Screening Levels
*Estuary Habitats
(µg/L)

Chemical	[1]Final Surface Water Screening Level	Basis	Gross Contamination Ceiling Value (Odors, etc.) Table I-4	Estuary Aquatic Habitat Goal (Chronic Toxicity) Table F-4a	Bioaccumulation and Human Consumption Table F-4d
Acenaphthene	2.0E+01	Ceiling Level	2.0E+01	2.3E+01	2.7E+03
Acenaphthylene	3.0E+01	Aquatic Habitat Chronic Toxicity	2.0E+03	3.0E+01	
Acetone	1.5E+03	Aquatic Habitat Chronic Toxicity	2.0E+04	1.5E+03	
Aldrin	1.4E-04	Bioaccumulation/Human Consumption	8.5E+00	1.3E-01	1.4E-04
Anthracene	7.3E-01	Aquatic Habitat Chronic Toxicity	2.2E+01	7.3E-01	1.1E+05
Antimony	3.0E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	3.0E+01	4.3E+03
Arsenic	1.4E-01	Bioaccumulation/Human Consumption	5.0E+04	3.6E+01	1.4E-01
Barium	1.0E+03	Aquatic Habitat Chronic Toxicity	5.0E+04	1.0E+03	
Benzene	4.6E+01	Aquatic Habitat Chronic Toxicity	2.0E+03	4.6E+01	7.1E+01
Benzo(a)anthracene	2.7E-02	Aquatic Habitat Chronic Toxicity	5.0E+00	2.7E-02	4.9E-02
Benzo(b)fluoranthene	2.9E-02	Aquatic Habitat Chronic Toxicity	7.0E+00	2.9E-02	4.9E-02
Benzo(k)fluoranthene	4.9E-02	Bioaccumulation/Human Consumption	4.0E-01	3.7E+00	4.9E-02
Benzo(g,h,i)perylene	1.0E-01	Aquatic Habitat Chronic Toxicity	1.3E-01	1.0E-01	
Benzo(a)pyrene	1.4E-02	Aquatic Habitat Chronic Toxicity	1.9E+00	1.4E-02	4.9E-02
Beryllium	5.3E-01	Aquatic Habitat Chronic Toxicity	5.0E+04	5.3E-01	
1,1-Biphenyl	5.0E-01	Ceiling Level	5.0E-01	1.4E+01	
Bis(2-chloroethyl) ether	1.4E+00	Bioaccumulation/Human Consumption	3.6E+02	1.2E+01	1.4E+00
Bis(2-chloroisopropyl) ether	1.2E+01	Aquatic Habitat Chronic Toxicity	3.2E+02	1.2E+01	1.7E+05
Bis(2-ethylhexyl) phthalate	5.9E+00	Bioaccumulation/Human Consumption	6.5E+02	3.2E+01	5.9E+00
Boron	1.6E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	1.6E+00	
Bromodichloromethane	1.1E+03	Aquatic Habitat Chronic Toxicity	5.0E+04	1.1E+03	
Bromoform (Tribromomethane)	3.6E+02	Bioaccumulation/Human Consumption	5.1E+02	1.1E+03	3.6E+02
Bromomethane	1.6E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	1.6E+02	4.0E+03
Cadmium	2.5E-01	Aquatic Habitat Chronic Toxicity	5.0E+04	2.5E-01	
Carbon tetrachloride	4.4E+00	Bioaccumulation/Human Consumption	5.2E+02	9.8E+00	4.4E+00
Chlordane	5.9E-04	Bioaccumulation/Human Consumption	2.5E+00	4.0E-03	5.9E-04
p-Chloroaniline	5.0E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	5.0E+00	
Chlorobenzene	2.5E+01	Aquatic Habitat Chronic Toxicity	5.0E+01	2.5E+01	2.1E+04
Chloroethane	1.2E+01	Aquatic Habitat Chronic Toxicity	1.6E+01	1.2E+01	
Chloroform	4.7E+02	Bioaccumulation/Human Consumption	2.4E+03	6.2E+02	4.7E+02
Chloromethane	1.1E+03	Aquatic Habitat Chronic Toxicity	5.0E+04	1.1E+03	
2-Chlorophenol	1.8E-01	Ceiling Level	1.8E-01	4.4E+02	4.0E+02
Chromium (total)	1.8E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	1.8E+02	
Chromium III	1.8E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	1.8E+02	

Table F-2c. Surface Water Screening Levels
*Estuary Habitats
(µg/L)

Chemical	[1]Final Surface Water Screening Level	Basis	Gross Contamination Ceiling Value (Odors, etc.) Table I-4	Estuary Aquatic Habitat Goal (Chronic Toxicity) Table F-4a	Bioaccumulation and Human Consumption Table F-4d
Chromium VI	1.1E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	1.1E+01	
Chrysene	4.9E-02	Bioaccumulation/Human Consumption	8.0E-01	3.5E-01	4.9E-02
Cobalt	3.0E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	3.0E+00	
Copper	3.1E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	3.1E+00	
Cyanide	1.0E+00	Aquatic Habitat Chronic Toxicity	1.7E+02	1.0E+00	2.2E+05
Dibenz(a,h)anthracene	4.9E-02	Bioaccumulation/Human Consumption	2.5E-01	7.5E+00	4.9E-02
Dibromochloromethane	4.6E+01	Bioaccumulation/Human Consumption	5.0E+04	1.1E+03	4.6E+01
1,2-dibromo-3-chloropropane	2.0E-01	Aquatic Habitat Chronic Toxicity	1.0E+01	2.0E-01	
1,2-Dibromoethane	1.4E+03	Aquatic Habitat Chronic Toxicity	5.0E+04	1.4E+03	
1,2-Dichlorobenzene	1.0E+01	Ceiling Level	1.0E+01	1.4E+01	1.7E+04
1,3-Dichlorobenzene	6.5E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	6.5E+01	2.6E+03
1,4-Dichlorobenzene	1.1E+01	Ceiling Level	1.1E+01	1.5E+01	2.6E+03
3,3-Dichlorobenzidine	7.7E-02	Bioaccumulation/Human Consumption	1.6E+03	2.5E+02	7.7E-02
Dichlorodiphenyldichloroethane (DDD)	8.4E-04	Bioaccumulation/Human Consumption	8.0E+01	1.0E-03	8.4E-04
Dichlorodiphenyldichloroethene (DDE)	5.9E-04	Bioaccumulation/Human Consumption	2.0E+01	1.0E-03	5.9E-04
Dichlorodiphenyltrichloroethane (DDT)	5.9E-04	Bioaccumulation/Human Consumption	1.5E+00	1.0E-03	5.9E-04
1,1-Dichloroethane	4.7E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	4.7E+01	
1,2-Dichloroethane	9.9E+01	Bioaccumulation/Human Consumption	2.0E+04	2.0E+03	9.9E+01
1,1-Dichloroethene	3.2E+00	Bioaccumulation/Human Consumption	1.5E+03	2.5E+01	3.2E+00
cis-1,2-Dichloroethene	5.9E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	5.9E+02	
trans-1,2-Dichloroethene	2.6E+02	Ceiling Level	2.6E+02	5.9E+02	1.4E+05
2,4-Dichlorophenol	3.0E-01	Ceiling Level	3.0E-01	3.7E+01	7.9E+02
1,2-Dichloropropane	1.0E+01	Ceiling Level	1.0E+01	1.5E+03	3.9E+01
1,3-Dichloropropene	2.4E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	2.4E+01	1.7E+03
Dieldrin	1.4E-04	Bioaccumulation/Human Consumption	4.1E+01	1.9E-03	1.4E-04
Diethyl phthalate	1.5E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	1.5E+00	1.2E+54
Dimethyl phthalate	1.5E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	1.5E+00	2.9E+06
2,4-Dimethylphenol	1.1E+02	Aquatic Habitat Chronic Toxicity	4.0E+02	1.1E+02	2.3E+03
2,4-Dinitrophenol	1.5E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	1.5E+01	1.4E+04
2,4-Dinitrotoluene	9.1E+00	Bioaccumulation/Human Consumption	5.0E+04	1.2E+02	9.1E+00
1,4-Dioxane	5.0E+04	Ceiling Level	5.0E+04	3.4E+05	
Dioxin (2,3,7,8-TCDD)	1.4E-08	Bioaccumulation/Human Consumption	7.0E+03	1.0E-06	1.4E-08
Endosulfan	8.7E-03	Aquatic Habitat Chronic Toxicity	7.5E+01	8.7E-03	2.4E+02

Table F-2c. Surface Water Screening Levels
*Estuary Habitats
(µg/L)

Chemical	[1]Final Surface Water Screening Level	Basis	Gross Contamination Ceiling Value (Odors, etc.) Table I-4	Estuary Aquatic Habitat Goal (Chronic Toxicity) Table F-4a	Bioaccumulation and Human Consumption Table F-4d
Endrin	2.3E-03	Aquatic Habitat Chronic Toxicity	4.1E+01	2.3E-03	8.1E-01
Ethylbenzene	3.0E+01	Ceiling Level	3.0E+01	4.3E+01	2.9E+04
Fluoranthene	8.0E+00	Aquatic Habitat Chronic Toxicity	1.3E+02	8.0E+00	3.7E+02
Fluorene	3.9E+00	Aquatic Habitat Chronic Toxicity	9.5E+02	3.9E+00	1.4E+04
Heptachlor	2.1E-04	Bioaccumulation/Human Consumption	2.0E+01	3.6E-03	2.1E-04
Heptachlor epoxide	1.1E-04	Bioaccumulation/Human Consumption	1.8E+02	3.6E-03	1.1E-04
Hexachlorobenzene	7.7E-04	Bioaccumulation/Human Consumption	5.5E+01	3.7E+00	7.7E-04
Hexachlorobutadiene	9.3E-01	Aquatic Habitat Chronic Toxicity	6.0E+00	9.3E-01	5.0E+01
γ-Hexachlorocyclohexane (Lindane)	1.6E-02	Aquatic Habitat Chronic Toxicity	3.5E+03	1.6E-02	6.3E-02
Hexachloroethane	8.9E+00	Bioaccumulation/Human Consumption	1.0E+01	1.2E+01	8.9E+00
Indeno(1,2,3-c,d)pyrene	4.8E-02	Aquatic Habitat Chronic Toxicity	2.7E-01	4.8E-02	4.9E-02
Lead	2.5E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	2.5E+00	
Mercury (elemental)	2.5E-02	Aquatic Habitat Chronic Toxicity	5.0E+04	2.5E-02	5.1E-02
Methoxychlor	3.0E-03	Aquatic Habitat Chronic Toxicity	2.0E+01	3.0E-03	
Methylene chloride	1.6E+03	Bioaccumulation/Human Consumption	9.1E+03	2.2E+03	1.6E+03
Methyl ethyl ketone	8.4E+03	Ceiling Level	8.4E+03	1.4E+04	
Methyl isobutyl ketone	1.7E+02	Aquatic Habitat Chronic Toxicity	1.3E+03	1.7E+02	
Methyl mercury	3.0E-03	Aquatic Habitat Chronic Toxicity	5.0E+04	3.0E-03	
2-Methylnaphthalene	2.1E+00	Aquatic Habitat Chronic Toxicity	1.0E+01	2.1E+00	
tert-Butyl methyl ether	1.8E+02	Ceiling Level	1.8E+02	8.0E+03	
Molybdenum	2.4E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	2.4E+02	
Naphthalene	2.1E+01	Ceiling Level	2.1E+01	2.4E+01	
Nickel	8.2E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	8.2E+00	4.6E+03
Pentachlorophenol	7.9E+00	Aquatic Habitat Chronic Toxicity	5.9E+02	7.9E+00	8.2E+00
Perchlorate	6.0E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	6.0E+02	
Phenanthrene	4.6E+00	Aquatic Habitat Chronic Toxicity	4.1E+02	4.6E+00	
Phenol	2.6E+02	Aquatic Habitat Chronic Toxicity	7.9E+03	2.6E+02	4.6E+06
Polychlorinated biphenyls (PCBs)	1.7E-04	Bioaccumulation/Human Consumption	1.6E+01	1.4E-02	1.7E-04
Pyrene	2.0E+00	Aquatic Habitat Chronic Toxicity	6.8E+01	2.0E+00	1.1E+04
Selenium	5.0E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	5.0E+00	
Silver	1.9E-01	Aquatic Habitat Chronic Toxicity	5.0E+04	1.9E-01	
Styrene	1.1E+01	Ceiling Level	1.1E+01	1.0E+02	
tert-Butyl alcohol	1.8E+04	Aquatic Habitat Chronic Toxicity	5.0E+04	1.8E+04	

Table F-2c. Surface Water Screening Levels
*Estuary Habitats
(µg/L)

Chemical	[1]Final Surface Water Screening Level	Basis	Gross Contamination Ceiling Value (Odors, etc.) Table I-4	Estuary Aquatic Habitat Goal (Chronic Toxicity) Table F-4a	Bioaccumulation and Human Consumption Table F-4d
1,1,1,2-Tetrachloroethane	9.3E+02	Aquatic Habitat Chronic Toxicity	5.0E+04	9.3E+02	
1,1,2,2-Tetrachloroethane	1.1E+01	Bioaccumulation/Human Consumption	5.0E+02	2.4E+02	1.1E+01
Tetrachloroethene	8.9E+00	Bioaccumulation/Human Consumption	3.0E+02	1.2E+02	8.9E+00
Thallium	4.0E+00	Aquatic Habitat Chronic Toxicity	5.0E+04	4.0E+00	6.3E+00
Toluene	4.0E+01	Ceiling Level	4.0E+01	1.3E+02	2.0E+05
Toxaphene	2.0E-04	Aquatic Habitat Chronic Toxicity	1.4E+02	2.0E-04	7.5E-04
TPH (gasolines)	2.1E+02	Aquatic Habitat Chronic Toxicity	5.0E+03	2.1E+02	
TPH (middle distillates)	2.1E+02	Aquatic Habitat Chronic Toxicity	2.5E+03	2.1E+02	
TPH (residual fuels)	2.1E+02	Aquatic Habitat Chronic Toxicity	2.5E+03	2.1E+02	
1,2,4-Trichlorobenzene	2.5E+01	Aquatic Habitat Chronic Toxicity	3.0E+03	2.5E+01	
1,1,1-Trichloroethane	6.2E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	6.2E+01	
1,1,2-Trichloroethane	4.2E+01	Bioaccumulation/Human Consumption	5.0E+04	9.4E+02	4.2E+01
Trichloroethene	8.1E+01	Bioaccumulation/Human Consumption	1.0E+04	3.6E+02	8.1E+01
2,4,5-Trichlorophenol	1.1E+01	Aquatic Habitat Chronic Toxicity	2.0E+02	1.1E+01	3.6E+03
2,4,6-Trichlorophenol	6.5E+00	Bioaccumulation/Human Consumption	1.0E+02	9.7E+01	6.5E+00
Vanadium	1.9E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	1.9E+01	
Vinyl chloride	5.3E+02	Bioaccumulation/Human Consumption	3.4E+03	7.8E+02	5.3E+02
Xylenes	1.0E+02	Aquatic Habitat Chronic Toxicity	5.3E+02	1.0E+02	
Zinc	8.1E+01	Aquatic Habitat Chronic Toxicity	5.0E+04	8.1E+01	

Notes:

***Estuary Habitats: Mixed freshwater/marine water habitats.**

1. Lowest of Ceiling Value, aquatic habitat goal, and bioaccumulation goal.

TPH -Total Petroleum Hydrocarbons. See text for discussion of different TPH categories.

Ceiling Level: Odor threshold, 1/2 solubility or 50000 µg/L maximum, whichever is lower. Intended to limit nuisances and general resource degradation.

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information												Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Acephate	30560-19-1	8.7E-03	I			4.0E-03	I					1	0.1		5.6E+01	ca**	2.0E+02	ca*					7.7E+00	ca*		1.9E-03	
Acetaldehyde	75-07-0			2.2E-06	I			9.0E-03	I	V		1		1.1E+05	1.1E+01	ca**	5.3E+01	ca**	1.1E+00	ca**	5.6E+00	ca**	2.2E+00	ca**		4.5E-04	
Acetochlor	34256-82-1					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		4.0E-01	
Acetone	67-64-1					9.0E-01	I	3.1E+01	A	V		1		1.1E+05	6.1E+04	nc	6.1E+05	nc	3.2E+04	nc	1.4E+05	nc	2.2E+04	nc		4.4E+00	
Acetone Cyanohydrin	75-86-5					3.0E-03	P	6.0E-02	P	V		1		1.1E+05	2.0E+02	nc	2.1E+03	nc	6.3E+01	nc	2.6E+02	nc	5.8E+01	nc		1.2E-02	
Acetonitrile	75-05-8							6.0E-02	I	V		1		1.3E+05	8.7E+02	nc	3.7E+03	nc	6.3E+01	nc	2.6E+02	nc	1.3E+02	nc		2.6E-02	
Acetophenone	98-86-2					1.0E-01	I			V		1		2.3E+03	7.8E+03	sat	1.0E+05	nc					3.7E+03	nc		1.1E+00	
Acrolein	107-02-8					5.0E-04	I	2.0E-05	I	V		1		2.5E+04	1.6E-01	nc	6.8E-01	nc	2.1E-02	nc	8.8E-02	nc	4.2E-02	nc		8.6E-06	
Acrylamide	79-06-1	4.5E+00	I	1.3E-03	I	2.0E-04	I					1	0.1		1.1E-01	ca	3.8E-01	ca	1.9E-03	ca	9.4E-03	ca	1.5E-02	ca		3.3E-06	
Acrylic Acid	79-10-7					5.0E-01	I	1.0E-03	I			1	0.1		3.0E+04	nc	2.9E+05	nc	1.0E+00	nc	4.4E+00	nc	1.8E+04	nc		3.7E+00	
Acrylonitrile	107-13-1	5.4E-01	I	6.8E-05	I	1.0E-03	H	2.0E-03	I	V		1		1.1E+04	2.4E-01	ca*	1.2E+00	ca*	3.6E-02	ca*	1.8E-01	ca*	4.5E-02	ca*		9.9E-06	
Adiponitrile	111-69-3							6.0E-03	P			1	0.1		8.5E+06	nc	3.6E+07	nc	6.3E+00	nc	2.6E+01	nc					
Alachlor	15972-60-8	5.6E-02	C			1.0E-02	I					1	0.1		8.7E+00	ca*	3.1E+01	ca					1.2E+00	ca	2.0E+00	6.8E-04	1.1E-03
ALAR	1596-84-5					1.5E-01	I					1	0.1		9.2E+03	nc	9.2E+04	nc					5.5E+03	nc		1.2E+00	
Aldicarb	116-06-3					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		9.7E-03	
Aldicarb Sulfone	1646-88-4					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		8.0E-03	
Aldrin	309-00-2	1.7E+01	I	4.9E-03	I	3.0E-05	I					1	0.1		2.9E-02	ca*	1.0E-01	ca	5.0E-04	ca	2.5E-03	ca	4.0E-03	ca		8.4E-04	
Ally	74223-64-6					2.5E-01	I					1	0.1		1.5E+04	nc	1.5E+05	nc					9.1E+03	nc		3.1E+00	
Allyl Alcohol	107-18-6					5.0E-03	I	3.0E-04	P			1	0.1		3.1E+02	nc	3.1E+03	nc	3.1E-01	nc	1.3E+00	nc	1.8E+02	nc		3.7E-02	
Allyl Chloride	107-05-1							1.0E-03	I	V		1		1.5E+03	1.8E+00	nc	7.7E+00	nc	1.0E+00	nc	4.4E+00	nc	2.1E+00	nc		6.8E-04	
Aluminum	7429-90-5					1.0E+00	P	5.0E-03	P			1			7.7E+04	nc	9.9E+05	nc	5.2E+00	nc	2.2E+01	nc	3.7E+04	nc			
Aluminum Phosphide	20859-73-8					4.0E-04	I					1			3.1E+01	nc	4.1E+02	nc					1.5E+01	nc			
Amdro	67485-29-4					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		1.4E+04	
Ametryn	834-12-8					9.0E-03	I					1	0.1		5.5E+02	nc	5.5E+03	nc					3.3E+02	nc		3.6E-01	
Aminophenol, m-	591-27-5					8.0E-02	P					1	0.1		4.9E+03	nc	4.9E+04	nc					2.9E+03	nc		1.0E+00	
Aminophenol, p-	123-30-8					2.0E-02	P					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		2.5E-01	
Aminopyridine, 4-	504-24-5					2.0E-05	H					1	0.1		1.2E+00	nc	1.2E+01	nc					7.3E-01	nc		2.1E-04	
Amitraz	33089-61-1					2.5E-03	I					1	0.1		1.5E+02	nc	1.5E+03	nc					9.1E+01	nc		1.2E+02	
Ammonia	7664-41-7						H	1.0E-01	I			1			1.4E+08	nc	6.0E+08	nc	1.0E+02	nc	4.4E+02	nc					
Ammonium Perchlorate	7790-98-9					7.0E-04	I					1			5.5E+01	nc	7.2E+02	nc					2.6E+01	nc			
Ammonium Sulfamate	7773-06-0					2.0E-01	I					1			1.6E+04	nc	2.0E+05	nc					7.3E+03	nc			
Aniline	62-53-3	5.7E-03	I			7.0E-03	P	1.0E-03	I			1	0.1		8.5E+01	ca**	3.0E+02	ca*	1.0E+00	nc	4.4E+00	nc	1.2E+01	ca*		3.4E-03	
Antimony (metallic)	7440-36-0					4.0E-04	I					0.15			3.1E+01	nc	4.1E+02	nc					1.5E+01	nc	6.0E+00		
Antimony Pentoxide	1314-60-9					5.0E-04	H					0.15			3.9E+01	nc	5.1E+02	nc					1.8E+01	nc			
Antimony Potassium Tartrate	304-61-0					9.0E-04	H					0.15			7.0E+01	nc	9.2E+02	nc					3.3E+01	nc			
Antimony Tetroxide	1332-81-6					4.0E-04	H					0.15			3.1E+01	nc	4.1E+02	nc					1.5E+01	nc			
Antimony Trioxide	1309-64-4					4.0E-04	H	2.0E-04	I			0.15			3.1E+01	nc	4.1E+02	nc	2.1E-01	nc	8.8E-01	nc	1.5E+01	nc			
Apollo	74115-24-5					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		6.1E+02	
Aramite	140-57-8	2.5E-02	I	7.1E-06	I	5.0E-02	H					1	0.1		1.9E+01	ca	6.9E+01	ca	3.4E-01	ca	1.7E+00	ca	2.7E+00	ca		1.1E-01	
Arsenic, Inorganic	7440-38-2	1.5E+00	I	4.3E-03	I	3.0E-04	I	3.0E-05	C			1	0.03		3.9E-01	ca*	1.6E+00	ca	5.7E-04	ca*	2.9E-03	ca*	4.5E-02	ca	1.0E+01		
Arsine	7784-42-1							5.0E-05	I			1			7.1E+04	nc	3.0E+05	nc	5.2E-02	nc	2.2E-01	nc					
Assure	76578-14-8					9.0E-03	I					1	0.1		5.5E+02	nc	5.5E+03	nc					3.3E+02	nc		3.6E+00	
Asulam	3337-71-1					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		5.2E-01	
Atrazine	1912-24-9	2.3E-01	C			3.5E-02	I					1	0.1		2.1E+00	ca	7.5E+00	ca					2.9E-01	ca	3.0E+00	1.9E-04	2.0E-03
Avermectin B1	65195-55-3					4.0E-04	I					1	0.1		2.4E+01	nc	2.5E+02	nc					1.5E+01	nc		4.1E-02	
Azobenzene	103-33-3	1.1E-01	I	3.1E-05	I					V		1			4.9E+00	ca	2.2E+01	ca	7.8E-02	ca	4.0E-01	ca	1.2E-01	ca		5.1E-04	
Barium	7440-39-3					2.0E-01	I	5.0E-04	H			0.07			1.5E+04	nc	1.9E+05	nc	5.2E-01	nc	2.2E+00	nc	7.3E+03	nc	2.0E+03		
Baygon	114-26-1					4.0E-03	I					1	0.1		2.4E+02	nc	2.5E+03	nc					1.5E+02	nc		4.2E-02	
Bayleton	43121-43-3					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		1.2E+01	
Baythroid	68359-37-5					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		3.3E+02	
Benefin	1861-40-1					3.0E-01	I					1	0.1		1.8E+04	nc	1.8E+05	nc					1.1E+04	nc		2.1E+02	
Benomyl	17804-35-2					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		2.3E+00	
Bentazon	25057-89-0					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		3.0E-01	
Benzaldehyde	100-52-7					1.0E-01	I			V		1		1.9E+03	7.8E+03	sat	1.0E+05	nc					3.7E+03	nc		9.7E-01	
Benzene	71-43-2	5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		1		2.0E+03	1.1E+00	ca*	5.6E+00	ca*	3.1E-01	ca	1.6E+00	ca*	4.1E-01	ca	5.0E+00	2.3E-04	2.8E-03
Benzenethiol	108-98-5					1.0E-05	H			V		1		1.4E+03	7.8E-01	nc	1.0E+01	nc					3.7E-01	nc		2.7E-04	
Benzidine	92-87-5	2.3E+02	I	6.7E-02	I	3.0E-03	I				M	1	0.1		5.0E-04	ca	7.5E-03	ca	1.4E-05	ca	1.8E-04	ca	9.4E-05	ca		5.3E-07	
Benzoic Acid	65-85-0					4.0E+00	I					1	0.1		2.4E+05	nc	2.5E+06	nc					1.5E+05	nc		3.3E+01	
Benzotrichloride	98-07-7	1.3E+01	I							V		1		1.6E+02	4.9E-02	ca	2.2E-01	ca					5.2E-03	ca		1.3E-05	
Benzyl Alcohol	100-51-6					5.0E-01	P					1	0.1		3.1E+04	nc	3.1E+05	nc					1.8E+04	nc		4.2E+00	
Benzyl Chloride	100-44-7	1.7E-01	I							V		1		6.4E+01	3.8E+00	ca	1.7E+01	ca					4.0E-01	ca		4.9E-04	
Beryllium and compounds	7440-41-7			2.4E-03	I	2.0E-03	I	2.0E-05	I			0.01			1.6E+02	nc	2.0E+03	nc	1.0E-03	ca*	5.1E-03	ca*	7.3E+01	nc	4.0E+00		
Bidrin	141-66-2					1.0E-04	I					1	0.1		6.1E+00	nc	6.2E+01	nc					3.7E+00	nc		3.4E-03	
Bifenox	42576-02-3					9.0E-03	P					1	0.1		5.5E+02	nc	5.5E+03	nc					3.3E+02	nc		2.6E+00	
Biphenthrin	82657-04-3					1.5E-02	I					1	0.1		9.2E+02	nc	9.2E+03	nc					5.5E+02	nc		3.5E+03	
Biphenyl, 1,1'-	92-52-4					5.0E-02	I			V		1		2.6E+02	3.9E+03	sat	5.1E+04	nc					1.8E+03	nc		2.3E+01	
Bis(2-chloroethoxy)methane	111-91-1					3.0E-03	P					1	0.1		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		2.3E-02	
Bis(2-chloroethyl)ether	111-44-4	1.1E+00	I	3.3E-04	I					V		1		3.3E+03	1.9E-01	ca	9.0E-01	ca	7.4E-03	ca	3.7E-02	ca	1.2E-02	ca		2.7E-06	
Bis(2-chloro-1-methylethyl) ether	108-60-1	7.0E-02	H	1.0E-05	H	4.0E-02	I			V		1		5.7E+02	3.5E+00	ca	1.7E+01	ca	2.4E-01	ca	1.2E+00	ca	3.2E-01	ca		9.0E-05	
Bis(2-ethylhexyl)phthalate	117-81-7	1.4E-02	I			2.0E-02	I					1	0.1		3.5E+01	ca*	1.2E+02	ca*					4.8E+00	ca	6.0E+00	1.6E+00	2.0E+00
Bis(chloromethyl)ether	542-88-1	2.2E+02	I	6.2E-02	I					V		1		2.8E+03	2.7E-04	ca	1.3E-03	ca	3.9E-05	ca	2.0E-04	ca	6.2E-05	ca		1.3E-08	
Bisphenol A	80-05-7					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		2.7E+02	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information											Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Boron And Borates Only	7440-42-8					2.0E-01	I	2.0E-02	H			1			1.6E+04	nc	2.0E+05	nc	2.1E+01	nc	8.8E+01	nc	7.3E+03	nc			
Boron Trifluoride	7637-07-2							7.0E-04	H			1			9.9E+05	nc	4.2E+06	nc	7.3E-01	nc	3.1E+00	nc					
Bromate	15541-45-4	7.0E-01	I			4.0E-03	I					1			9.1E-01	ca	4.1E+00	ca					9.6E-02	ca	1.0E+01		
Bromodichloromethane	75-27-4	6.2E-02	I			2.0E-02	I			V		1		9.9E+02	1.0E+01	ca	4.6E+01	ca					1.1E+00	ca		3.0E-04	
Bromoform	75-25-2	7.9E-03	I	1.1E-06	I	2.0E-02	I					1	0.1		6.1E+01	ca*	2.2E+02	ca*	2.2E+00	ca	1.1E+01	ca	8.5E+00	ca*		2.3E-03	
Bromomethane	74-83-9					1.4E-03	I	5.0E-03	I	V		1		3.6E+03	7.9E+00	nc	3.5E+01	nc	5.2E+00	nc	2.2E+01	nc	8.7E+00	nc		2.2E-03	
Bromophos	2104-96-3					5.0E-03	H					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		7.7E-01	
Bromoxynil	1689-84-5					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		7.8E-01	
Bromoxynil Octanoate	1689-99-2					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		7.2E+00	
Butadiene, 1,3-	106-99-0			3.0E-05	I			2.0E-03	I	V		1		6.9E+02	7.7E-02	ca*	3.9E-01	ca*	8.1E-02	ca*	4.1E-01	ca*	1.6E-01	ca*		9.0E-05	
Butanol, N-	71-36-3					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		7.5E-01	
Butyl Benzyl Phthlate	85-68-7					2.0E-01	I					1	0.1		1.2E+04	nc	1.2E+05	nc					7.3E+03	nc		1.4E+02	
Butylate	2008-41-5					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		2.6E+00	
Butylphthalyl Butylglycolate	85-70-1					1.0E+00	I					1	0.1		6.1E+04	nc	6.2E+05	nc					3.7E+04	nc		1.1E+03	
Cacodylic Acid	75-60-5					2.0E-02	A					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc			
Cadmium (Diet)	7440-43-9			1.8E-03	I	1.0E-03	I					0.03	0.001		7.0E+01	nc	8.1E+02	nc									
Cadmium (Water)	7440-43-9			1.8E-03	I	5.0E-04	I					0.05	0.001						1.4E-03	ca	6.8E-03	ca	1.8E+01	nc	5.0E+00		
Caprolactam	105-60-2					5.0E-01	I					1	0.1		3.1E+04	nc	3.1E+05	nc					1.8E+04	nc		5.7E+00	
Captafol	2425-06-1	1.5E-01	C	4.3E-05	C	2.0E-03	I					1	0.1		3.2E+00	ca*	1.1E+01	ca	5.7E-02	ca	2.9E-01	ca	4.5E-01	ca		2.5E-03	
Captan	133-06-2	2.3E-03	C	6.6E-07	C	1.3E-01	I					1	0.1		2.1E+02	ca*	7.5E+02	ca	3.7E+00	ca	1.9E+01	ca	2.9E+01	ca		5.6E-02	
Carbaryl	63-25-2					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		2.5E+00	
Carbazole	86-74-8	2.0E-02	H									1	0.1		2.4E+01	ca	8.6E+01	ca					3.4E+00	ca		7.7E-02	
Carbofuran	1563-66-2					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc	4.0E+01	6.2E-02	1.4E-02
Carbon Disulfide	75-15-0					1.0E-01	I	7.0E-01	I	V		1		2.6E+02	6.7E+02	sat	3.0E+03	nc	7.3E+02	nc	3.1E+03	nc	1.0E+03	nc		2.7E-01	
Carbon Tetrachloride	56-23-5	1.3E-01	I	1.5E-05	I	7.0E-04	I	1.9E-01	A	V		1		4.8E+02	2.5E-01	ca	1.3E+00	ca	1.6E-01	ca	8.2E-01	ca	2.0E-01	ca	5.0E+00	7.9E-05	2.0E-03
Carbosulfan	55285-14-8					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		1.1E+01	
Carboxin	5234-68-4					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		1.3E+00	
Chloral Hydrate	302-17-0					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		7.4E-01	
Chloramben	133-90-4					1.5E-02	I					1	0.1		9.2E+02	nc	9.2E+03	nc					5.5E+02	nc		1.2E-01	
Chloranil	118-75-2	4.0E-01	H									1	0.1		1.2E+00	ca	4.3E+00	ca					1.7E-01	ca		3.7E-05	
Chlordane	57-74-9	3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I			1	0.04		1.6E+00	ca*	6.5E+00	ca*	2.4E-02	ca*	1.2E-01	ca*	1.9E-01	ca*	2.0E+00	3.3E-02	3.5E-01
Chlordecone (Kepone)	143-50-0	1.6E+01	C	4.6E-03	C							1	0.1		3.0E-02	ca	1.1E-01	ca	5.3E-04	ca	2.7E-03	ca	4.2E-03	ca		1.5E-04	
Chlorimuron, Ethyl-	90982-32-4					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		2.6E-01	
Chlorine	7782-50-5					1.0E-01	I	1.5E-04	A			1			7.5E+03	nc	9.1E+04	nc	1.5E-01	nc	6.4E-01	nc	3.7E+03	nc		1.8E+00	
Chlorine Dioxide	10049-04-4					3.0E-02	I	2.0E-04	I			1			2.3E+03	nc	3.0E+04	nc	2.1E-01	nc	8.8E-01	nc	1.1E+03	nc			
Chlorite (Sodium Salt)	7758-19-2					3.0E-02	I					1			2.3E+03	nc	3.1E+04	nc					1.1E+03	nc			
Chloro-1,1-difluoroethane, 1-	75-68-3							5.0E+01	I	V		1		1.2E+03	5.9E+04	sat	2.5E+05	nc	5.2E+04	nc	2.2E+05	nc	1.0E+05	nc		5.3E+01	
Chloro-1,3-butadiene, 2-	126-99-8					2.0E-02	H	7.0E-03	H	V		1		8.2E+02	8.6E+00	nc	3.6E+01	nc	7.3E+00	nc	3.1E+01	nc	1.4E+01	nc		7.7E-03	
Chloro-2-methylaniline HCl, 4-	3165-93-3	4.6E-01	H									1	0.1		1.1E+00	ca	3.7E+00	ca					1.5E-01	ca		6.4E-05	
Chloro-2-methylaniline, 4-	95-69-2	2.7E-01	C	7.7E-05	C							1	0.1		1.8E+00	ca	6.4E+00	ca	3.2E-02	ca	1.6E-01	ca	2.5E-01	ca		1.1E-04	
Chloroacetic Acid	79-11-8					2.0E-03	H					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		1.5E-02	
Chloroacetophenone, 2-	532-27-4							3.0E-05	I			1	0.1		4.3E+04	nc	1.8E+05	nc	3.1E-02	nc	1.3E-01	nc					
Chloroaniline, p-	106-47-8					4.0E-03	I					1	0.1		2.4E+02	nc	2.5E+03	nc					1.5E+02	nc		5.0E-02	
Chlorobenzene	108-90-7					2.0E-02	I	5.0E-02	P	V		1		8.6E+02	3.1E+02	nc	1.5E+03	nc	5.2E+01	nc	2.2E+02	nc	9.1E+01	nc	1.0E+02	6.8E-02	7.5E-02
Chlorobenzilate	510-15-6	1.1E-01	C	3.1E-11	C	2.0E-02	I					1	0.1		4.4E+00	ca	1.6E+01	ca	7.8E+04	ca	4.0E+05	ca	6.1E-01	ca		1.7E-03	
Chlorobenzoic Acid, p-	74-11-3					2.0E-01	H					1	0.1		1.2E+04	nc	1.2E+05	nc					7.3E+03	nc		1.8E+00	
Chlorobenzotrifluoride, 4-	98-56-6					3.0E-03	P	3.0E-01	P	V		1		5.5E+02	2.1E+02	nc	2.4E+03	nc	3.1E+02	nc	1.3E+03	nc	9.3E+01	nc		3.9E-01	
Chlorobutane, 1-	109-69-3					4.0E-02	P			V		1		7.9E+02	3.1E+03	sat	4.1E+04	nc					1.5E+03	nc		6.2E-01	
Chlorodifluoromethane	75-45-6							5.0E+01	I	V		1		1.7E+03	5.3E+04	sat	2.2E+05	nc	5.2E+04	nc	2.2E+05	nc	1.0E+05	nc		4.4E+01	
Chloroform	67-66-3	3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		1		2.7E+03	3.0E-01	ca	1.5E+00	ca	1.1E-01	ca	5.3E-01	ca	1.9E-01	ca		5.5E-05	
Chloromethane	74-87-3	1.3E-02	H	1.8E-06	H			9.0E-02	I	V		1		1.4E+03	1.7E+00	ca*	8.4E+00	ca*	1.4E+00	ca*	6.8E+00	ca*	1.8E+00	ca		4.6E-04	
Chloronaphthalene, Beta-	91-58-7					8.0E-02	I			V		1		2.1E+02	6.3E+03	sat	8.2E+04	nc					2.9E+03	nc		1.8E+01	
Chlorophenol, 2-	95-57-8					5.0E-03	I			V		1		7.9E+04	3.9E+02	nc	5.1E+03	nc					1.8E+02	nc		2.0E-01	
Chloropropane, 2-	75-29-6							1.0E-01	H	V		1		1.4E+03	1.5E+02	nc	6.2E+02	nc	1.0E+02	nc	4.4E+02	nc	2.1E+02	nc		7.0E-02	
Chlorothalonil	1897-45-6	3.1E-03	C	8.9E-07	C	1.5E-02	I					1	0.10		1.6E+02	ca**	5.6E+02	ca*	2.7E+00	ca	1.4E+01	ca	2.2E+01	ca*		1.1E-01	
Chlorotoluene, o-	95-49-8					2.0E-02	I			V		1		1.0E+03	1.6E+03	sat	2.0E+04	nc					7.3E+02	nc		8.0E-01	
Chlorotoluene, p-	106-43-4					7.0E-02	P			V		1		2.9E+02	5.5E+03	sat	7.2E+04	nc					2.6E+03	nc		2.8E+00	
Chlorpropham	101-21-3					2.0E-01	I					1	0.10		1.2E+04	nc	1.2E+05	nc					7.3E+03	nc		4.5E+00	
Chlorpyrifos	2921-88-2					3.0E-03	I					1	0.10		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		1.5E+00	
Chlorpyrifos Methyl	5598-13-0					1.0E-02	H					1	0.10		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		1.5E+00	
Chlorsulfuron	64902-72-3					5.0E-02	I					1	0.10		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		1.2E+00	
Chlorthiophos	60238-56-4					8.0E-04	H					1	0.10		4.9E+01	nc	4.9E+02	nc					2.9E+01	nc		7.8E-01	
Chromium (III) (Insoluble Salts)	16065-83-1					1.5E+00	I					0.01			1.2E+05	nc	1.5E+06	nc					5.5E+04	nc			
Chromium VI (chromic acid mists)	18540-29-9			1.2E-02	I	3.0E-03	I	8.0E-06	I			1							2.0E-04	ca*	1.0E-03	ca*	1.1E+02	nc			
Chromium VI (particulates)	18540-29-9			1.2E-02	I	3.0E-03	I	1.0E-04	I			0.03			2.3E+02	nc	1.4E+03	ca**	2.0E-04	ca	1.0E-03	ca					
Coke Oven Emissions	8007-45-2			6.2E-04	I						M	1	0.10						1.5E-03	ca	2.0E-02	ca					
Copper	7440-50-8					4.0E-02	H					1			3.1E+03	nc	4.1E+04	nc					1.5E+03	nc	1.3E+03		
Cresol, m-	108-39-4					5.0E-02	I					1	0.10		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		1.9E+00	
Cresol, o-	95-48-7					5.0E-02	I					1	0.10		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		2.0E+00	
Cresol, p-	106-44-5					5.0E-03	H					1	0.10		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		1.9E-01	
Crotonaldehyde, trans-	123-73-9	1.9E+00	H							V		1		2.4E+04	3.4E-01	ca	1.5E+00	ca					3.5E-02	ca		7.4E-06	
Cumene	98-82-8					1.0E-01	I	4.0E-01	I	V		1		3.1E+02	2.2E+03	sat	1.1E+04	nc	4.2E+02	nc	1.8E+03	nc	6.8E+02	nc		1.3E+00	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information												Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Cyanazine	21725-46-2	8.4E-01	H			2.0E-03	H					1	0.10		5.8E-01	ca	2.1E+00	ca					8.0E-02	ca		3.6E-05	
Cyanides																											
Calcium Cyanide	592-01-8					4.0E-02	I					1			3.1E+03	nc	4.1E+04	nc					1.5E+03	nc			
Copper Cyanide	544-92-3					5.0E-03	I					1			3.9E+02	nc	5.1E+03	nc					1.8E+02	nc			
Cyanide (CN-)	57-12-5					2.0E-02	I					1			1.6E+03	nc	2.0E+04	nc					7.3E+02	nc	2.0E+02		
Cyanogen	460-19-5					4.0E-02	I			V		1			3.1E+03	nc	4.1E+04	nc					1.5E+03	nc			
Cyanogen Bromide	506-68-3					9.0E-02	I			V		1			7.0E+03	nc	9.2E+04	nc					3.3E+03	nc			
Cyanogen Chloride	506-77-4					5.0E-02	I			V		1			3.9E+03	nc	5.1E+04	nc					1.8E+03	nc			
Hydrogen Cyanide	74-90-8					2.0E-02	I	3.0E-03	I	V		1			1.6E+03	nc	2.0E+04	nc	3.1E+00	nc	1.3E+01	nc	6.2E+00	nc			
Potassium Cyanide	151-50-8					5.0E-02	I					1			3.9E+03	nc	5.1E+04	nc					1.8E+03	nc			
Potassium Silver Cyanide	506-61-6					2.0E-01	I					0.04			1.6E+04	nc	2.0E+05	nc					7.3E+03	nc			
Silver Cyanide	506-64-9					1.0E-01	I					0.04			7.8E+03	nc	1.0E+05	nc					3.7E+03	nc			
Sodium Cyanide	143-33-9					4.0E-02	I					1			3.1E+03	nc	4.1E+04	nc					1.5E+03	nc			
Thiocyanate	463-56-9					2.0E-04	P			V		1		5.6E+03	1.6E+01	nc	2.0E+02	nc					7.3E+00	nc		1.5E-03	
Zinc Cyanide	557-21-1					5.0E-02	I					1			3.9E+03	nc	5.1E+04	nc					1.8E+03	nc			
Cyclohexane	110-82-7							6.0E+00	I	V		1		1.2E+02	7.2E+03	sat	3.0E+04	nc	6.3E+03	nc	2.6E+04	nc	1.3E+04	nc		1.3E+01	
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.3E-02	H									1	0.1		2.1E+01	ca	7.5E+01	ca					2.9E+00	ca		2.0E-02	
Cyclohexanone	108-94-1					5.0E+00	I					1	0.1		3.1E+05	nc	3.1E+06	nc					1.8E+05	nc		4.2E+01	
Cyclohexylamine	108-91-8					2.0E-01	I					1	0.1		1.2E+04	nc	1.2E+05	nc					7.3E+03	nc		2.0E+00	
Cyhalothrin/karate	68085-85-8					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		1.7E+02	
Cypermethrin	52315-07-8					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		7.9E+01	
Cyromazine	66215-27-8					7.5E-03	I					1	0.1		4.6E+02	nc	4.6E+03	nc					2.7E+02	nc		6.6E-02	
Dacthal	1861-32-1					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		2.8E-01	
Dalapon	75-99-0					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc	2.0E+02	2.2E-01	4.1E-02
DDD	72-54-8	2.4E-01	I									1	0.1		2.0E+00	ca	7.2E+00	ca					2.8E-01	ca		8.6E-02	
DDE, p,p'-	72-55-9	3.4E-01	I									1	0.1		1.4E+00	ca	5.1E+00	ca					2.0E-01	ca		6.0E-02	
DDT	50-29-3	3.4E-01	I	9.7E-05	I	5.0E-04	I					1	0.03		1.7E+00	ca*	7.0E+00	ca*	2.5E-02	ca	1.3E-01	ca	2.0E-01	ca*		8.7E-02	
Decabromodiphenyl Ether	1163-19-5					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		3.0E+02	
Demeton	8065-48-3					4.0E-05	I					1	0.1		2.4E+00	nc	2.5E+01	nc					1.5E+00	nc			
Di(2-ethylhexyl)adipate	103-23-1	1.2E-03	I			6.0E-01	I					1	0.1		4.0E+02	ca*	1.4E+03	ca					5.6E+01	ca	4.0E+02	5.5E+00	3.9E+01
Diallate	2303-16-4	6.1E-02	H									1	0.1		8.0E+00	ca	2.8E+01	ca					1.1E+00	ca		2.5E-03	
Diazinon	333-41-5					9.0E-04	H					1	0.1		5.5E+01	nc	5.5E+02	nc					3.3E+01	nc		9.4E-02	
Dibromo-3-chloropropane, 1,2-	96-12-8	8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	1		1.1E+03	5.6E-03	ca	7.3E-02	ca	1.6E-04	ca	2.0E-03	ca	3.2E-04	ca	2.0E-01	1.5E-07	9.2E-05
Dibromobenzene, 1,4-	106-37-6					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		3.9E-01	
Dibromochloromethane	124-48-1	8.4E-02	I			2.0E-02	I			V		1	0.1	8.5E+02	5.8E+00	ca	2.1E+01	ca					8.0E-01	ca		2.2E-04	
Dibromoethane, 1,2-	106-93-4	2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1		1.4E+03	3.4E-02	ca	1.7E-01	ca	4.1E-03	ca	2.0E-02	ca	6.5E-03	ca	5.0E-02	1.9E-06	1.5E-05
Dibromomethane (Methylene Bromide)	74-95-3					1.0E-02	H			V		1		3.0E+03	7.8E+02	nc	1.0E+04	nc					3.7E+02	nc		9.1E-02	
Dibutyl Phthalate	84-74-2					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		1.1E+01	
Dibutyltin Compounds	NA					3.0E-04	P					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc			
Dicamba	1918-00-9					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		2.8E-01	
Dichloro-2-butene, 1,4-	764-41-0			2.6E-03	H					V		1		6.1E+02	3.2E-03	ca	1.6E-02	ca	9.4E-04	ca	4.7E-03	ca	1.9E-03	ca		9.9E-07	
Dichloroacetic Acid	79-43-6	5.0E-02	I			4.0E-03	I					1	0.1		9.7E+00	ca*	3.4E+01	ca*					1.3E+00	ca		2.7E-04	
Dichlorobenzene, 1,2-	95-50-1					9.0E-02	I	2.0E-01	H	V		1		2.2E+02	2.0E+03	sat	1.0E+04	nc	2.1E+02	nc	8.8E+02	nc	3.7E+02	nc	6.0E+02	4.0E-01	6.6E-01
Dichlorobenzene, 1,4-	106-46-7	5.4E-03	C	1.1E-05	C			8.0E-01	I	V		1			2.6E+00	ca	1.3E+01	ca	2.2E-01	ca	1.1E+00	ca	4.3E-01	ca	7.5E+01	4.6E-04	8.1E-02
Dichlorobenzidine, 3,3'-	91-94-1	4.5E-01	I									1	0.1		1.1E+00	ca	3.8E+00	ca					1.5E-01	ca		2.3E-03	
Dichlorodifluoromethane	75-71-8					2.0E-01	I	2.0E-01	H	V		1		8.5E+02	1.9E+02	nc	7.8E+02	nc	2.1E+02	nc	8.8E+02	nc	3.9E+02	nc		6.1E-01	
Dichloroethane, 1,1-	75-34-3	5.7E-03	C	1.6E-06	C	2.0E-01	P	5.0E-01	H	V		1		1.8E+03	3.4E+00	ca	1.7E+01	ca	1.5E+00	ca	7.7E+00	ca	2.4E+00	ca		7.0E-04	
Dichloroethane, 1,2-	107-06-2	9.1E-02	I	2.6E-05	I			2.4E+00	A	V		1		1.9E+03	4.5E-01	ca	2.2E+00	ca	9.4E-02	ca	4.7E-01	ca	1.5E-01	ca	5.0E+00	4.4E-05	1.5E-03
Dichloroethylene, 1,1-	75-35-4					5.0E-02	I	2.0E-01	I	V		1		1.2E+03	2.5E+02	nc	1.1E+03	nc	2.1E+02	nc	8.8E+02	nc	3.4E+02	nc	7.0E+00	1.2E-01	2.6E-03
Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0					9.0E-03	H			V		1		1.4E+03	7.0E+02	nc	9.2E+03	nc					3.3E+02	nc		9.9E-02	
Dichloroethylene, 1,2-cis-	156-59-2					1.0E-02	P			V		1		1.4E+03	7.8E+02	nc	1.0E+04	nc					3.7E+02	nc	7.0E+01	1.1E-01	2.1E-02
Dichloroethylene, 1,2-trans-	156-60-5					2.0E-02	I	6.0E-02	P	V		1		1.5E+03	1.1E+02	nc	5.0E+02	nc	6.3E+01	nc	2.6E+02	nc	1.1E+02	nc	1.0E+02	3.4E-02	3.2E-02
Dichlorophenol, 2,4-	120-83-2					3.0E-03	I					1	0.1		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		1.8E-01	
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7					1.0E-02	I					1	0.05		6.9E+02	nc	7.7E+03	nc					3.7E+02	nc	7.0E+01	9.4E-02	1.8E-02
Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6					8.0E-03	I					1	0.1		4.9E+02	nc	4.9E+03	nc					2.9E+02	nc		1.2E-01	
Dichloropropane, 1,2-	78-87-5	3.6E-02	C	1.0E-05	C			4.0E-03	I	V		1		1.5E+03	9.3E-01	ca*	4.7E+00	ca*	2.4E-01	ca*	1.2E+00	ca*	3.9E-01	ca*	5.0E+00	1.3E-04	1.7E-03
Dichloropropane, 1,3-	142-28-9					2.0E-02	P			V		1		1.6E+03	1.6E+03	nc	2.0E+04	nc					7.3E+02	nc		2.7E-01	
Dichloropropanol, 2,3-	616-23-9					3.0E-03	I					1	0.1		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		2.3E-02	
Dichloropropene, 1,3-	542-75-6	1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1		1.7E+03	1.7E+00	ca*	8.4E+00	ca*	6.1E-01	ca*	3.1E+00	ca*	4.3E-01	ca*		1.6E-04	
Dichlorvos	62-73-7	2.9E-01	I			5.0E-04	I	5.0E-04	I			1	0.1		1.7E+00	ca*	5.9E+00	ca*	5.2E-01	nc	2.2E+00	nc	2.3E-01	ca*		6.5E-05	
Dicyclopentadiene	77-73-6					8.0E-03	P	7.0E-03	P	V		1		5.9E+02	2.9E+01	nc	1.3E+02	nc	7.3E+00	nc	3.1E+01	nc	1.4E+01	nc		5.6E-02	
Dieldrin	60-57-1	1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1		3.0E-02	ca	1.1E-01	ca	5.3E-04	ca	2.7E-03	ca	4.2E-03	ca		9.0E-05	
Diesel Engine Exhaust	NA							5.0E-03	I			1	0.1						5.2E+00	nc	2.2E+01	nc					
Diethyl Phthalate	84-66-2					8.0E-01	I					1	0.1		4.9E+04	nc	4.9E+05	nc					2.9E+04	nc		1.3E+01	
Diethylformamide	617-84-5					1.0E-03	P					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		8.0E-03	
Diethylstilbestrol	56-53-1	3.5E+02	C	1.0E-01	C							1	0.1		1.4E-03	ca	4.9E-03	ca	2.4E-05	ca	1.2E-04	ca	1.9E-04	ca		2.2E-04	
Difenzoquat	43222-48-6					8.0E-02	I					1	0.1		4.9E+03	nc	4.9E+04	nc					2.9E+03	nc			
Diflubenzuron	35367-38-5					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		1.7E+00	
Difluoroethane, 1,1-	75-37-6							4.0E+01	I	V		1		1.5E+03	5.3E+04	sat	2.2E+05	nc	4.2E+04	nc	1.8E+05	nc	8.3E+04	nc		2.9E+01	
Diisopropyl Methylphosphonate	1445-75-6					8.0E-02	I			V		1		4.3E+02	6.3E+03	sat	8.2E+04	nc					2.9E+03	nc		7.7E-01	
Dimethipin	55290-64-7					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		1.9E-01	
Dimethoate	60-51-5					2.0E-04	I					1	0.1		1.2E+01	nc	1.2E+02	nc					7.3E+00	nc		1.8E-03	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information											Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Dimethoxybenzidine, 3,3'-	119-90-4	1.4E-02	H									1	0.1		3.5E+01	ca	1.2E+02	ca					4.8E+00	ca		1.5E-02	
Dimethyl methylphosphonate	756-79-6	1.7E-03	P			6.0E-02	P					1	0.1		2.9E+02	ca*	1.0E+03	ca*					4.0E+01	ca*		8.2E-03	
Dimethylaniline HCl, 2,4-	21436-96-4	5.8E-01	H									1	0.1		8.4E-01	ca	3.0E+00	ca					1.2E-01	ca		5.1E-05	
Dimethylaniline, 2,4-	95-68-1	7.5E-01	H									1	0.1		6.5E-01	ca	2.3E+00	ca					9.0E-02	ca		3.9E-05	
Dimethylaniline, N,N-	121-69-7					2.0E-03	I			V		1		8.2E+02	1.6E+02	nc	2.0E+03	nc					7.3E+01	nc		2.6E-02	
Dimethylformamide	68-12-2					1.0E-01	P	3.0E-02	I			1	0.1		6.1E+03	nc	6.2E+04	nc	3.1E+01	nc	1.3E+02	nc	3.7E+03	nc		7.5E-01	
Dimethylphenol, 2,4-	105-67-9					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		1.2E+00	
Dimethylphenol, 2,6-	576-26-1					6.0E-04	I					1	0.1		3.7E+01	nc	3.7E+02	nc					2.2E+01	nc		3.6E-02	
Dimethylphenol, 3,4-	95-65-8					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		6.0E-02	
Dimethylterephthalate	120-61-6					1.0E-01	I			V		1		6.1E+00	7.8E+03	sat	1.0E+05	nc					3.7E+03	nc		1.0E+00	
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		2.1E+00	
Dinitrobenzene, 1,2-	528-29-0					1.0E-04	P					1	0.1		6.1E+00	nc	6.2E+01	nc					3.7E+00	nc		2.4E-03	
Dinitrobenzene, 1,3-	99-65-0					1.0E-04	I					1	0.1		6.1E+00	nc	6.2E+01	nc					3.7E+00	nc		2.3E-03	
Dinitrobenzene, 1,4-	100-25-4					1.0E-04	P					1	0.1		6.1E+00	nc	6.2E+01	nc					3.7E+00	nc		2.3E-03	
Dinitrophenol, 2,4-	51-28-5					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		6.8E-02	
Dinitrotoluene Mixture, 2,4/2,6-	25321-14-6	6.8E-01	I			2.0E-03	H					1	0.1		7.1E-01	ca	2.5E+00	ca					9.9E-02	ca		9.3E-05	
Dinitrotoluene, 2,4-	121-14-2					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		6.8E-02	
Dinitrotoluene, 2,6-	606-20-2					1.0E-03	P					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		3.4E-02	
Dinitrotoluene, 2-Amino-4,6-	35572-78-2					2.0E-03	S					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		2.9E-02	
Dinitrotoluene, 4-Amino-2,6-	19406-51-0					2.0E-03	S					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		2.9E-02	
Dinoseb	88-85-7					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc	7.0E+00	2.7E-01	5.1E-02
Dioxane, 1,4-	123-91-1	1.1E-02	I					3.6E+00	A			1	0.1		4.4E+01	ca	1.6E+02	ca	3.8E+03	nc	1.6E+04	nc	6.1E+00	ca		1.2E-03	
Dioxins																											
Hexachlorodibenzo-p-dioxin	34465-46-8	1.5E+04	W	3.3E+00	W							1	0.03		3.9E-05	ca	1.6E-04	ca	7.4E-07	ca	3.7E-06	ca	4.5E-06	ca		3.7E-06	
Hexachlorodibenzo-p-dioxin, Mixture	NA	6.2E+03	I	1.3E+00	I							1	0.03		9.4E-05	ca	3.9E-04	ca	1.9E-06	ca	9.4E-06	ca	1.1E-05	ca			
HpCDD, 2,3,7,8-	37871-00-4	1.5E+03	W	3.3E-01	W							1	0.03		3.9E-04	ca	1.6E-03	ca	7.4E-06	ca	3.7E-05	ca	4.5E-05	ca		6.3E-05	
OCDD	3268-87-9	4.5E+01	W	9.9E-03	W							1	0.03		1.3E-02	ca	5.3E-02	ca	2.5E-04	ca	1.2E-03	ca	1.5E-03	ca		3.5E-03	
PeCDD, 2,3,7,8-	36088-22-9	1.5E+05	W	3.3E+01	W							1	0.03		3.9E-06	ca	1.6E-05	ca	7.4E-08	ca	3.7E-07	ca	4.5E-07	ca		2.3E-07	
TCDD, 2,3,7,8-	1746-01-6	1.3E+05	C	3.8E+01	C	1.0E-09	A					1	0.03		4.5E-06	ca*	1.8E-05	ca*	6.4E-08	ca	3.2E-07	ca	5.2E-07	ca*	3.0E-05	1.5E-07	8.8E-06
Diphenamid	957-51-7					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		3.4E+01	
Diphenylamine	122-39-4					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		3.6E+00	
Diphenylhydrazine, 1,2-	122-66-7	8.0E-01	I	2.2E-04	I							1	0.1		6.1E-01	ca	2.2E+00	ca	1.1E-02	ca	5.6E-02	ca	8.4E-02	ca		6.0E-04	
Diquat	85-00-7					2.2E-03	I					1	0.1		1.3E+02	nc	1.4E+03	nc					8.0E+01	nc	2.0E+01	3.3E-01	8.1E-02
Direct Black 38	1937-37-7	7.4E+00	C	2.1E-03	C							1	0.1		6.6E-02	ca	2.3E-01	ca	1.2E-03	ca	5.8E-03	ca	9.1E-03	ca		1.4E+00	
Direct Blue 6	2602-46-2	7.4E+00	C	2.1E-03	C							1	0.1		6.6E-02	ca	2.3E-01	ca	1.2E-03	ca	5.8E-03	ca	9.1E-03	ca		4.0E+00	
Direct Brown 95	16071-86-6	6.7E+00	C	1.9E-03	C							1	0.1		7.2E-02	ca	2.6E-01	ca	1.3E-03	ca	6.5E-03	ca	1.0E-02	ca			
Disulfoton	298-04-4					4.0E-05	I					1	0.1		2.4E+00	nc	2.5E+01	nc					1.5E+00	nc		2.7E-03	
Dithiane, 1,4-	505-29-3					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		1.9E-01	
Diuron	330-54-1					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		3.4E-02	
Dodine	2439-10-3					4.0E-03	I					1	0.1		2.4E+02	nc	2.5E+03	nc					1.5E+02	nc		4.5E+00	
Endosulfan	115-29-7					6.0E-03	I					1	0.1		3.7E+02	nc	3.7E+03	nc					2.2E+02	nc		9.7E+00	
Endothall	145-73-3					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc	1.0E+02	1.6E-01	2.2E-02
Endrin	72-20-8					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc	2.0E+00	2.3E-01	4.3E-02
Epichlorohydrin	106-89-8	9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		1		8.4E+03	1.8E+01	nc	7.7E+01	nc	1.0E+00	nc	4.4E+00	nc	2.1E+00	nc		4.3E-04	
Epoxybutane, 1,2-	106-88-7							2.0E-02	I	V		1		1.2E+04	1.5E+02	nc	6.4E+02	nc	2.1E+01	nc	8.8E+01	nc	4.2E+01	nc		8.7E-03	
EPTC	759-94-4					2.5E-02	I			V		1		6.2E+02	2.0E+03	sat	2.6E+04	nc					9.1E+02	nc		6.5E-01	
Ethephon	16672-87-0					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		3.8E-02	
Ethion	563-12-2					5.0E-04	I					1	0.1		3.1E+01	nc	3.1E+02	nc					1.8E+01	nc		4.8E-01	
Ethoxyethanol Acetate, 2-	111-15-9					3.0E-01	H					1	0.1		1.8E+04	nc	1.8E+05	nc					1.1E+04	nc		2.2E+00	
Ethoxyethanol, 2-	110-80-5					4.0E-01	H	2.0E-01	I			1	0.1		2.4E+04	nc	2.5E+05	nc	2.1E+02	nc	8.8E+02	nc	1.5E+04	nc		2.9E+00	
Ethyl Acetate	141-78-6					9.0E-01	I			V		1		1.1E+04	7.0E+04	sat	9.2E+05	nc					3.3E+04	nc		7.0E+00	
Ethyl Acrylate	140-88-5	4.8E-02	H							V		1		2.6E+03	1.3E+01	ca	6.0E+01	ca					1.4E+00	ca		3.2E-04	
Ethyl Chloride	75-00-3							1.0E+01	I	V		1		2.2E+03	1.5E+04	sat	6.2E+04	nc	1.0E+04	nc	4.4E+04	nc	2.1E+04	nc		6.0E+00	
Ethyl Ether	60-29-7					2.0E-01	I			V		1		8.2E+03	1.6E+04	sat	2.0E+05	nc					7.3E+03	nc		1.6E+00	
Ethyl Methacrylate	97-63-2					9.0E-02	H			V		1		1.2E+03	7.0E+03	sat	9.2E+04	nc					3.3E+03	nc		7.9E-01	
Ethyl-p-nitrophenyl Phosphonate	2104-64-5					1.0E-05	I					1	0.1		6.1E-01	nc	6.2E+00	nc					3.7E-01	nc		8.7E-03	
Ethylbenzene	100-41-4	1.1E-02	C	2.5E-06	C	1.0E-01	I	1.0E+00	I	V		1		5.5E+02	5.7E+00	ca	2.9E+01	ca	9.7E-01	ca	4.9E+00	ca	1.5E+00	ca	7.0E+02	1.9E-03	8.9E-01
Ethylene Cyanohydrin	109-78-4					3.0E-02	P					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		2.2E-01	
Ethylene Diamine	107-15-3					9.0E-02	P					1	0.1		5.5E+03	nc	5.5E+04	nc					3.3E+03	nc		8.2E-01	
Ethylene Glycol	107-21-1					2.0E+00	I	4.0E-01	C			1	0.1		1.2E+05	nc	1.2E+06	nc	4.2E+02	nc	1.8E+03	nc	7.3E+04	nc		1.5E+01	
Ethylene Glycol Monobutyl Ether	111-76-2					5.0E-01	I	1.3E+01	I			1	0.1		3.1E+04	nc	3.1E+05	nc	1.4E+04	nc	5.7E+04	nc	1.8E+04	nc		3.7E+00	
Ethylene Oxide	75-21-8	3.1E-01	C	8.8E-05	C					V		1		1.1E+05	1.6E-01	ca	8.0E-01	ca	2.8E-02	ca	1.4E-01	ca	4.4E-02	ca		4.4E-05	
Ethylene Thiourea	96-45-7	4.5E-02	C	1.3E-05	C	8.0E-05	I					1	0.1		4.9E+00	nc	3.8E+01	ca**	1.9E-01	ca	9.4E-01	ca	1.5E+00	ca**		3.2E-04	
Ethylphthalyl Ethyl Glycolate	84-72-0					3.0E+00	I					1	0.1		1.8E+05	nc	1.8E+06	nc					1.1E+05	nc		3.0E+02	
Express	101200-48-0					8.0E-03	I					1	0.1		4.9E+02	nc	4.9E+03	nc					2.9E+02	nc		1.1E-01	
Fenamiphos	22224-92-6					2.5E-04	I					1	0.1		1.5E+01	nc	1.5E+02	nc					9.1E+00	nc		5.9E-03	
Fenpropathrin	39515-41-8					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		5.4E+01	
Fluometuron	2164-17-2					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		4.4E-01	
Fluorine (Soluble Fluoride)	7782-41-4					6.0E-02	I					1			4.7E+03	nc	6.1E+04	nc					2.2E+03	nc	4.0E+03		
Fluridone	59756-60-4					8.0E-02	I					1	0.1		4.9E+03	nc	4.9E+04	nc					2.9E+03	nc		6.5E+02	
Flurprimidol	56425-91-3					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		1.4E+00	
Flutolanil	66332-96-5					6.0E-02	I					1	0.1		3.7E+03	nc	3.7E+04	nc					2.2E+03	nc		2.4E+01	

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Contaminant		Toxicity and Chemical-specific Information											Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Fluvalinate	69409-94-5					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		5.3E+02	
Folpet	133-07-3	3.5E-03	I			1.0E-01	I					1	0.1		1.4E+02	ca*	4.9E+02	ca					1.9E+01	ca		9.4E-03	
Fomesafen	72178-02-0	1.9E-01	I									1	0.1		2.6E+00	ca	9.1E+00	ca					3.5E-01	ca		7.9E-03	
Fonofos	944-22-9					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		1.4E-01	
Formaldehyde	50-00-0			1.3E-05	I	2.0E-01	I	9.8E-03	A			1	0.1		1.2E+04	nc	1.2E+05	nc	1.9E-01	ca*	9.4E-01	ca*	7.3E+03	nc		1.5E+00	
Formic Acid	64-18-6					2.0E+00	H					1	0.1		1.2E+05	nc	1.2E+06	nc					7.3E+04	nc		1.5E+01	
Fosetyl-AL	39148-24-8					3.0E+00	I					1	0.1		1.8E+05	nc	1.8E+06	nc					1.1E+05	nc			
Furans																											
Furan	110-00-9					1.0E-03	I			V		1		6.8E+03	7.8E+01	nc	1.0E+03	nc					3.7E+01	nc		1.5E-02	
HpCDF, 2,3,7,8-	38998-75-3	1.5E+03	W	3.3E-01	W							1	0.1		3.2E-04	ca	1.1E-03	ca	7.4E-06	ca	3.7E-05	ca	4.5E-05	ca		3.5E-05	
HxCDF, 2,3,7,8-	55684-94-1	1.5E+04	W	3.3E+00	W							1	0.1		3.2E-05	ca	1.1E-04	ca	7.4E-07	ca	3.7E-06	ca	4.5E-06	ca		2.1E-06	
OCDF	39001-02-0	4.5E+01	W	9.9E-03	W							1	0.1		1.1E-02	ca	3.8E-02	ca	2.5E-04	ca	1.2E-03	ca	1.5E-03	ca		2.0E-03	
PeCDF, 1,2,3,7,8-	57117-41-6	4.5E+03	W	9.9E-01	W							1	0.1		1.1E-04	ca	3.8E-04	ca	2.5E-06	ca	1.2E-05	ca	1.5E-05	ca		4.1E-06	
PeCDF, 2,3,4,7,8-	57117-31-4	4.5E+04	W	9.9E+00	W							1	0.1		1.1E-05	ca	3.8E-05	ca	2.5E-07	ca	1.2E-06	ca	1.5E-06	ca		4.1E-07	
TCDF, 2,3,7,8-	51207-31-9	1.5E+04	W	3.3E+00	W							1	0.1		3.2E-05	ca	1.1E-04	ca	7.4E-07	ca	3.7E-06	ca	4.5E-06	ca		7.3E-07	
Furazolidone	67-45-8	3.8E+00	H									1	0.1		1.3E-01	ca	4.5E-01	ca					1.8E-02	ca		3.3E-05	
Furfural	98-01-1					3.0E-03	I	5.0E-02	H			1	0.1		1.8E+02	nc	1.8E+03	nc	5.2E+01	nc	2.2E+02	nc	1.1E+02	nc		2.6E-02	
Furium	531-82-8	1.5E+00	C	4.3E-04	C							1	0.1		3.2E-01	ca	1.1E+00	ca	5.7E-03	ca	2.9E-02	ca	4.5E-02	ca		5.3E-05	
Furmecyclox	60568-05-0	3.0E-02	I									1	0.1		1.6E+01	ca	5.7E+01	ca					2.2E+00	ca		7.4E-03	
Glufosinate, Ammonium	77182-82-2					4.0E-04	I					1	0.1		2.4E+01	nc	2.5E+02	nc					1.5E+01	nc		4.7E-03	
Glycidyl	765-34-4					4.0E-04	I	1.0E-03	H			1	0.1		2.4E+01	nc	2.5E+02	nc	1.0E+00	nc	4.4E+00	nc	1.5E+01	nc		2.9E-03	
Glyphosate	1071-83-6					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc	7.0E+02	8.7E-01	1.7E-01
Goal	42874-03-3					3.0E-03	I					1	0.1		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		1.0E+01	
Haloxyfop, Methyl	69806-40-2					5.0E-05	I					1	0.1		3.1E+00	nc	3.1E+01	nc					1.8E+00	nc		6.5E-02	
Harmony	79277-27-3					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		1.3E-01	
Heptachlor	76-44-8	4.5E+00	I	1.3E-03	I	5.0E-04	I					1	0.1		1.1E-01	ca	3.8E-01	ca	1.9E-03	ca	9.4E-03	ca	1.5E-02	ca	4.0E-01	1.6E-03	4.2E-02
Heptachlor Epoxide	1024-57-3	9.1E+00	I	2.6E-03	I	1.3E-05	I					1	0.1		5.3E-02	ca*	1.9E-01	ca*	9.4E-04	ca	4.7E-03	ca	7.4E-03	ca*	2.0E-01	7.9E-05	2.1E-03
Hexabromobenzene	87-82-1					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		5.1E-01	
Hexachlorobenzene	118-74-1	1.6E+00	I	4.6E-04	I	8.0E-04	I					1	0.1		3.0E-01	ca	1.1E+00	ca	5.3E-03	ca	2.7E-02	ca	4.2E-02	ca	1.0E+00	2.9E-04	7.0E-03
Hexachlorobutadiene	87-68-3	7.8E-02	I	2.2E-05	I	1.0E-03	P					1	0.1		6.2E+00	ca**	2.2E+01	ca*	1.1E-01	ca	5.6E-01	ca	8.6E-01	ca*		1.9E-03	
Hexachlorocyclohexane, Alpha-	319-84-6	6.3E+00	I	1.8E-03	I							1	0.1		7.7E-02	ca	2.7E-01	ca	1.4E-03	ca	6.8E-03	ca	1.1E-02	ca		7.4E-05	
Hexachlorocyclohexane, Beta-	319-85-7	1.8E+00	I	5.3E-04	I							1	0.1		2.7E-01	ca	9.6E-01	ca	4.6E-03	ca	2.3E-02	ca	3.7E-02	ca		2.6E-04	
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	1.1E+00	C	3.1E-04	C	3.0E-04	I					1	0.04		5.2E-01	ca*	2.1E+00	ca	7.8E-03	ca	4.0E-02	ca	6.1E-02	ca	2.0E-01	4.3E-04	1.4E-03
Hexachlorocyclohexane, Technical	608-73-1	1.8E+00	I	5.1E-04	I							1	0.1		2.7E-01	ca	9.6E-01	ca	4.8E-03	ca	2.4E-02	ca	3.7E-02	ca		2.6E-04	
Hexachlorocyclopentadiene	77-47-4					6.0E-03	I	2.0E-04	I			1	0.1		3.7E+02	nc	3.7E+03	nc	2.1E-01	nc	8.8E-01	nc	2.2E+02	nc	5.0E+01	8.0E-01	1.8E-01
Hexachloroethane	67-72-1	1.4E-02	I	4.0E-06	I	1.0E-03	I					1	0.1		3.5E+01	ca**	1.2E+02	ca**	6.1E-01	ca	3.1E+00	ca	4.8E+00	ca**		3.2E-03	
Hexachlorophene	70-30-4					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		1.4E+01	
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	1.1E-01	I			3.0E-03	I					1	0.1		4.4E+00	ca*	1.6E+01	ca					6.1E-01	ca		3.6E-04	
Hexamethylene Diisocyanate, 1,6-	822-06-0							1.0E-05	I	V		1		4.1E+03	3.7E+00	nc	1.6E+01	nc	1.0E-02	nc	4.4E-02	nc	2.1E-02	nc		2.5E-04	
Hexane, N-	110-54-3					6.0E-02	H	7.0E-01	I	V		1		1.4E+02	5.7E+02	sat	2.6E+03	nc	7.3E+02	nc	3.1E+03	nc	8.8E+02	nc		6.2E+00	
Hexanedioic Acid	124-04-9					2.0E+00	P					1	0.1		1.2E+05	nc	1.2E+06	nc					7.3E+04	nc		1.8E+01	
Hexazinone	51235-04-2					3.3E-02	I					1	0.1		2.0E+03	nc	2.0E+04	nc					1.2E+03	nc		1.7E+00	
Hydrazine	302-01-2	3.0E+00	I	4.9E-03	I			2.0E-04	C			1			2.1E-01	ca	9.5E-01	ca	5.0E-04	ca	2.5E-03	ca	2.2E-02	ca			
Hydrazine Sulfate	10034-93-2	3.0E+00	I	4.9E-03	I							1			2.1E-01	ca	9.5E-01	ca	5.0E-04	ca	2.5E-03	ca	2.2E-02	ca			
Hydrogen Chloride	7647-01-0							2.0E-02	I			1			2.8E+07	nc	1.2E+08	nc	2.1E+01	nc	8.8E+01	nc					
Hydrogen Sulfide	7783-06-4					3.0E-03	I	2.0E-03	I			1			2.3E+02	nc	3.1E+03	nc	2.1E+00	nc	8.8E+00	nc	1.1E+02	nc			
Imazalil	35554-44-0					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		1.9E+00	
Imazaquin	81335-37-7					2.5E-01	I					1	0.1		1.5E+04	nc	1.5E+05	nc					9.1E+03	nc		9.2E+01	
Iprodione	36734-19-7					4.0E-02	I					1	0.1		2.4E+03	nc	2.5E+04	nc					1.5E+03	nc		7.0E-01	
Iron	7439-89-6					7.0E-01	P					1			5.5E+04	nc	7.2E+05	nc					2.6E+04	nc			
Isobutyl Alcohol	78-83-1					3.0E-01	I			V		1		9.6E+03	2.3E+04	sat	3.1E+05	nc					1.1E+04	nc		2.2E+00	
Isophorone	78-59-1	9.5E-04	I			2.0E-01	I	2.0E+00	C			1	0.1		5.1E+02	ca*	1.8E+03	ca*	2.1E+03	nc	8.8E+03	nc	7.1E+01	ca		2.2E-02	
Isopropalin	33820-53-0					1.5E-02	I					1	0.1		9.2E+02	nc	9.2E+03	nc					5.5E+02	nc		7.4E+00	
Isopropyl Methyl Phosphonic Acid	1832-54-8					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		7.7E-01	
Isoxaben	82558-50-7					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		1.1E+01	
Kerb	23950-58-5					7.5E-02	I					1	0.1		4.6E+03	nc	4.6E+04	nc					2.7E+03	nc		9.2E+00	
Lactofen	77501-63-4					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		3.7E+00	
Lead Compounds																											
Lead and Compounds	7439-92-1											1			4.0E+02	nc									1.5E+01		
Tetraethyl Lead	78-00-2					1.0E-07	I					1	0.1		6.1E-03	nc	6.2E-02	nc					3.7E-03	nc		1.4E-05	
Linuron	330-55-2					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		6.6E-02	
Lithium Perchlorate	7791-03-9					7.0E-04	I					1			5.5E+01	nc	7.2E+02	nc					2.6E+01	nc			
Londax	83055-99-6					2.0E-01	I					1	0.1		1.2E+04	nc	1.2E+05	nc					7.3E+03	nc		1.9E+00	
Malathion	121-75-5					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		1.9E-01	
Maleic Anhydride	108-31-6					1.0E-01	I	7.0E-04	C			1	0.1		6.1E+03	nc	6.1E+04	nc	7.3E-01	nc	3.1E+00	nc	3.7E+03	nc		7.4E-01	
Maleic Hydrazide	123-33-1					5.0E-01	I					1	0.1		3.1E+04	nc	3.1E+05	nc					1.8E+04	nc		4.0E+00	
Malononitrile	109-77-3					1.0E-04	P					1	0.1		6.1E+00	nc	6.2E+01	nc					3.7E+00	nc		8.4E-04	
Mancozeb	8018-01-7					3.0E-02	H					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		2.4E-01	
Maneb	12427-38-2					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		4.0E-02	
Manganese (Diet)	7439-96-5					1.4E-01	I	5.0E-05	I			1															
Manganese (Water)	7439-96-5					2.4E-02	I	5.0E-05	I			0.04			1.8E+03	nc	2.3E+04	nc	5.2E-02	nc	2.2E-01	nc	8.8E+02	nc			
MCPA	94-74-6					5.0E-04	I					1	0.1		3.1E+01	nc	3.1E+02	nc					1.8E+01	nc		4.7E-03	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information												Screening Levels												Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
MCPB	94-81-5					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		1.5E-01	
MCPP	93-65-2					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		1.1E-02	
Mephosfolan	950-10-7					9.0E-05	H					1	0.1		5.5E+00	nc	5.5E+01	nc					3.3E+00	nc		3.9E-03	
Mepiquat Chloride	24307-26-4					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		6.0E-01	
Mercury Compounds																											
Mercuric Chloride	7487-94-7					3.0E-04	I					0.07			2.3E+01	nc	3.1E+02	nc					1.1E+01	nc			
Mercuric Sulfide	1344-48-5					3.0E-04	S					1			2.3E+01	nc	3.1E+02	nc					1.1E+01	nc			
Mercury (elemental)	7439-97-6							3.0E-04	I	V		1		3.1E+00	6.7E+00	sat	2.8E+01	nc	3.1E-01	nc	1.3E+00	nc	6.3E-01	nc	2.0E+00	3.3E-02	1.0E-01
Mercury, Inorganic Salts	NA					3.0E-04	I					0.07			2.3E+01	nc	3.1E+02	nc					1.1E+01	nc			
Methyl Mercury	22967-92-6					1.0E-04	I					1			7.8E+00	nc	1.0E+02	nc					3.7E+00	nc			
Phenylmercuric Acetate	62-38-4					8.0E-05	I					1	0.1		4.9E+00	nc	4.9E+01	nc					2.9E+00	nc		1.6E-03	
Merphos	150-50-5					3.0E-05	I					1	0.1		1.8E+00	nc	1.8E+01	nc					1.1E+00	nc		1.4E-01	
Merphos Oxide	78-48-8					3.0E-05	I					1	0.1		1.8E+00	nc	1.8E+01	nc					1.1E+00	nc		4.4E-03	
Metalaxyl	57837-19-1					6.0E-02	I					1	0.1		3.7E+03	nc	3.7E+04	nc					2.2E+03	nc		5.4E-01	
Methacrylonitrile	126-98-7					1.0E-04	I	7.0E-04	H	V		1		4.5E+03	3.2E+00	nc	1.8E+01	nc	7.3E-01	nc	3.1E+00	nc	1.0E+00	nc		2.4E-04	
Methamidophos	10265-92-6					5.0E-05	I					1	0.1		3.1E+00	nc	3.1E+01	nc					1.8E+00	nc		3.8E-04	
Methanol	67-56-1					5.0E-01	I	4.0E+00	C			1	0.1		3.1E+04	nc	3.1E+05	nc	4.2E+03	nc	1.8E+04	nc	1.8E+04	nc		3.7E+00	
Methidathion	950-37-8					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		8.0E-03	
Methomyl	16752-77-5					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		2.0E-01	
Methoxy-5-nitroaniline, 2-	99-59-2	4.9E-02	C	1.4E-05	C							1	0.1		9.9E+00	ca	3.5E+01	ca	1.7E-01	ca	8.8E-01	ca	1.4E+00	ca		3.8E-04	
Methoxychlor	72-43-5					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc	4.0E+01	1.6E+01	3.4E+00
Methoxyethanol Acetate, 2-	110-49-6					2.0E-03	H					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		1.5E-02	
Methoxyethanol, 2-	109-86-4							2.0E-02	I			1	0.1		2.8E+07	nc	1.2E+08	nc	2.1E+01	nc	8.8E+01	nc					
Methyl Acetate	79-20-9					1.0E+00	H			V		1		2.9E+04	7.8E+04	sat	1.0E+06	nc					3.7E+04	nc		7.6E+00	
Methyl Acrylate	96-33-3					3.0E-02	H			V		1		6.9E+03	2.3E+03	nc	3.1E+04	nc					1.1E+03	nc		2.3E-01	
Methyl Ethyl Ketone (2-Butanone)	78-93-3					6.0E-01	I	5.0E+00	I	V		1		2.8E+04	2.8E+04	sat	1.9E+05	nc	5.2E+03	nc	2.2E+04	nc	7.1E+03	nc		1.5E+00	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1					8.0E-02	H	3.0E+00	I	V		1		3.2E+03	5.3E+03	sat	5.2E+04	nc	3.1E+03	nc	1.3E+04	nc	2.0E+03	nc		4.4E-01	
Methyl Methacrylate	80-62-6					1.4E+00	I	7.0E-01	I	V		1		2.5E+03	4.7E+03	sat	2.0E+04	nc	7.3E+02	nc	3.1E+03	nc	1.4E+03	nc		3.1E-01	
Methyl Parathion	298-00-0					2.5E-04	I					1	0.1		1.5E+01	nc	1.5E+02	nc					9.1E+00	nc		1.1E-02	
Methyl Styrene (Mixed Isomers)	25013-15-4					6.0E-03	H	4.0E-02	H	V		1		4.5E+02	1.9E+02	nc	1.1E+03	nc	4.2E+01	nc	1.8E+02	nc	6.0E+01	nc		1.1E-01	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	1.8E-03	C	2.6E-07	C			3.0E+00	I	V		1		6.9E+03	3.9E+01	ca	1.9E+02	ca	9.4E+00	ca	4.7E+01	ca	1.2E+01	ca		2.7E-03	
Methyl-5-Nitroaniline, 2-	99-55-8	3.3E-02	H									1	0.1		1.5E+01	ca	5.2E+01	ca					2.0E+00	ca		7.6E-04	
Methylaniline Hydrochloride, 2-	636-21-5	1.3E-01	C	3.7E-05	C							1	0.1		3.7E+00	ca	1.3E+01	ca	6.6E-02	ca	3.3E-01	ca	5.2E-01	ca		1.8E-04	
Methylarsonic acid	124-58-3					1.0E-02	A			A		1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc			
Methylcyclohexane	108-87-2							3.0E+00	H	V		1		7.1E+01	3.4E+03	sat	1.4E+04	nc	3.1E+03	nc	1.3E+04	nc	6.3E+03	nc		1.4E+01	
Methylene Chloride	75-09-2	7.5E-03	I	4.7E-07	I	6.0E-02	I	1.1E+00	A	V		1		3.5E+03	1.1E+01	ca	5.4E+01	ca	5.2E+00	ca	2.6E+01	ca	4.8E+00	ca	5.0E+00	1.2E-03	1.3E-03
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1.0E-01	P	4.3E-10	C	2.0E-03	P				M	1	0.1		1.2E+00	ca	1.7E+01	ca*	2.2E+03	ca	2.9E+04	ca	2.2E-01	ca		5.9E-03	
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	4.6E-02	I									1	0.1		1.1E+01	ca	3.7E+01	ca					1.5E+00	ca		4.3E-02	
Methylenebisbenzenamine, 4,4'-	101-77-9	1.6E+00	C	4.6E-04	C							1	0.1		3.0E-01	ca	1.1E+00	ca	5.3E-03	ca	2.7E-02	ca	4.2E-02	ca		4.2E-04	
Methylenediphenyl Diisocyanate	101-68-8							6.0E-04	I			1	0.1		8.5E+05	nc	3.6E+06	nc	6.3E-01	nc	2.6E+00	nc					
Methylstyrene, Alpha-	98-83-9					7.0E-02	H			V		1		4.5E+02	5.5E+03	sat	7.2E+04	nc					2.6E+03	nc		4.7E+00	
Metolachlor	51218-45-2					1.5E-01	I					1	0.1		9.2E+03	nc	9.2E+04	nc					5.5E+03	nc		4.3E+00	
Metribuzin	21087-64-9					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		2.4E+00	
Mirex	2385-85-5	1.8E+01	C	5.1E-03	C	2.0E-04	I					1	0.1		2.7E-02	ca	9.6E-02	ca	4.8E-04	ca	2.4E-03	ca	3.7E-03	ca		3.5E-03	
Molinate	2212-67-1					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		5.6E-02	
Molybdenum	7439-98-7					5.0E-03	I					1			3.9E+02	nc	5.1E+03	nc					1.8E+02	nc			
Monochloramine	10599-90-3					1.0E-01	I					1			7.8E+03	nc	1.0E+05	nc					3.7E+03	nc			
Monochlorobutanes	25154-42-1					4.0E-01	H					1	0.1		2.4E+04	nc	2.5E+05	nc					1.5E+04	nc			
Monomethylaniline	100-61-8		P			2.0E-03	P					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		2.4E-02	
N,N'-Diphenyl-1,4-benzenediamine	74-31-7					3.0E-04	P					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		2.8E+00	
Naled	300-76-5					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		2.9E-02	
Napropamide	15299-99-7					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		8.5E+01	
Nickel Refinery Dust	NA			2.4E-04	I							0.04			1.4E+04	ca	6.9E+04	ca	1.0E-02	ca	5.1E-02	ca					
Nickel Soluble Salts	7440-02-0					2.0E-02	I					0.04			1.6E+03	nc	2.0E+04	nc					7.3E+02	nc			
Nickel Subsulfide	12035-72-2			4.8E-04	I							0.04			6.9E+03	ca	3.5E+04	ca	5.1E-03	ca	2.6E-02	ca					
Nitrate	14797-55-8					1.6E+00	I					1			1.3E+05	nc	1.6E+06	nc					5.8E+04	nc	1.0E+04		
Nitrite	14797-65-0					1.0E-01	I					1			7.8E+03	nc	1.0E+05	nc					3.7E+03	nc	1.0E+03		
Nitrobenzene	98-95-3					5.0E-04	I	2.0E-03	H	V		1		2.6E+03	3.1E+01	nc	2.8E+02	nc	2.1E+00	nc	8.8E+00	nc	3.4E+00	nc		2.0E-03	
Nitrofurantoin	67-20-9					7.0E-02	H					1	0.1		4.3E+03	nc	4.3E+04	nc					2.6E+03	nc		1.9E+00	
Nitrofurazone	59-87-0	1.3E+00	C	3.7E-04	C							1	0.1		3.7E-01	ca	1.3E+00	ca	6.6E-03	ca	3.3E-02	ca	5.2E-02	ca		4.9E-05	
Nitroglycerin	55-63-0	1.7E-02	P			1.0E-04	P					1	0.1		6.1E+00	nc	6.2E+01	nc					3.7E+00	nc		1.7E-03	
Nitroguanidine	556-88-7					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		9.2E-01	
Nitromethane	75-52-5			9.0E-06	P			2.0E-02	P	V		1		1.7E+04	4.7E+00	ca*	2.4E+01	ca*	2.7E-01	ca*	1.4E+00	ca*	5.4E-01	ca*		1.2E-04	
Nitropropane, 2-	79-46-9			2.7E-03	H			2.0E-02	I	V		1		4.3E+03	1.2E-02	ca	6.0E-02	ca	9.0E-04	ca	4.5E-03	ca	1.8E-03	ca		4.5E-07	
Nitroso-di-N-butylamine, N-	924-16-3	5.4E+00	I	1.6E-03	I					V		1		1.3E+04	9.3E-02	ca	4.3E-01	ca	1.5E-03	ca	7.7E-03	ca	2.4E-03	ca		8.6E-06	
Nitroso-di-N-propylamine, N-	621-64-7	7.0E+00	I									1	0.1		6.9E-02	ca	2.5E-01	ca					9.6E-03	ca		1.1E-05	
Nitroso-N-ethylurea, N-	759-73-9	2.7E+01	C	7.7E-03	C						M	1	0.1		4.3E-03	ca	6.4E-02	ca	1.2E-04	ca	1.6E-03	ca	8.0E-04	ca		2.2E-07	
Nitrosodiethanolamine, N-	1116-54-7	2.8E+00	I									1	0.1		1.7E-01	ca	6.2E-01	ca					2.4E-02	ca		4.9E-06	
Nitrosodiethylamine, N-	55-18-5	1.5E+02	I	4.3E-02	I						M	1	0.1		7.7E-04	ca	1.1E-02	ca	2.2E-05	ca	2.9E-04	ca	1.4E-04	ca		7.0E-08	
Nitrosodimethylamine, N-	62-75-9	5.1E+01	I	1.4E-02	I	8.0E-06	P				M	1	0.1		2.3E-03	ca	3.4E-02	ca	6.9E-05	ca	8.8E-04	ca	4.2E-04	ca		1.2E-07	
Nitrosodiphenylamine, N-	86-30-6	4.9E-03	I									1	0.1		9.9E+01	ca	3.5E+02	ca					1.4E+01	ca		1.7E-01	
Nitrosomethylethylamine, N-	10595-95-6	2.2E+01	I									1	0.1		2.2E-02	ca	7.8E-02	ca					3.1E-03	ca		1.1E-06	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information											Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Nitrosopyrrolidine, N-	930-55-2	2.1E+00	I	6.1E-04	I							1	0.1		2.3E-01	ca	8.2E-01	ca	4.0E-03	ca	2.0E-02	ca	3.2E-02	ca		1.7E-05	
Nitrotoluene, o-	88-72-2					1.0E-02	H			V		1		1.3E+03	7.8E+02	nc	1.0E+04	nc					3.7E+02	nc		3.0E-01	
Nitrotoluene, p-	99-99-0	1.6E-02	P			4.0E-03	P					1	0.1		3.0E+01	ca**	1.1E+02	ca*					4.2E+00	ca*		3.4E-03	
Norflurazon	27314-13-2					4.0E-02	I					1	0.1		2.4E+03	nc	2.5E+04	nc					1.5E+03	nc		1.7E+01	
Nustar	85509-19-9					7.0E-04	I					1	0.1		4.3E+01	nc	4.3E+02	nc					2.6E+01	nc		9.0E+01	
Octabromodiphenyl Ether	32536-52-0					3.0E-03	I					1	0.1		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		3.1E+01	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX)	2691-41-0					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		7.1E+00	
Octamethylpyrophosphoramide	152-16-9					2.0E-03	H					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		1.3E-01	
Oryzalin	19044-88-3					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		4.8E+00	
Oxadiazon	19666-30-9					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		1.3E+00	
Oxamyl	23135-22-0					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc	2.0E+02	2.0E-01	4.4E-02
Paclobutrazol	76738-62-0					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		1.2E+01	
Polynuclear Aromatic Hydrocarbons (PAHs)																											
Acenaphthene	83-32-9					6.0E-02	I			V		1	0.13		3.4E+03	nc	3.3E+04	nc					2.2E+03	nc		2.7E+01	
Anthracene	120-12-7					3.0E-01	I			V		1	0.13		1.7E+04	nc	1.7E+05	nc					1.1E+04	nc		4.5E+02	
Benz[a]anthracene	56-55-3	7.3E-01	*	1.1E-04	C						M	1	0.13		1.5E-01	ca	2.1E+00	ca	8.7E-03	ca	1.1E-01	ca	2.9E-02	ca		1.4E-02	
Benzo[a]pyrene	50-32-8	7.3E+00	I	1.1E-03	C						M	1	0.13		1.5E-02	ca	2.1E-01	ca	8.7E-04	ca	1.1E-02	ca	2.9E-03	ca	2.0E-01	4.6E-03	3.1E-01
Benzo[b]fluoranthene	205-99-2	7.3E-01	*	1.1E-04	C						M	1	0.13		1.5E-01	ca	2.1E+00	ca	8.7E-03	ca	1.1E-01	ca	2.9E-02	ca		4.7E-02	
Benzo[k]fluoranthene	207-08-9	7.3E-02	*	1.1E-04	C						M	1	0.13		1.5E+00	ca	2.1E+01	ca	8.7E-03	ca	1.1E-01	ca	2.9E-01	ca		4.6E-01	
Chrysene	218-01-9	7.3E-03	*	1.1E-05	C						M	1	0.13		1.5E+01	ca	2.1E+02	ca	8.7E-02	ca	1.1E+00	ca	2.9E+00	ca		1.4E+00	
Dibenz[a,h]anthracene	53-70-3	7.3E+00	*	1.2E-03	C						M	1	0.13		1.5E-02	ca	2.1E-01	ca	8.0E-04	ca	1.0E-02	ca	2.9E-03	ca		1.5E-02	
Fluoranthene	206-44-0					4.0E-02	I					1	0.13		2.3E+03	nc	2.2E+04	nc					1.5E+03	nc		2.1E+02	
Fluorene	86-73-7					4.0E-02	I			V		1	0.13		2.3E+03	nc	2.2E+04	nc					1.5E+03	nc		3.3E+01	
Indeno[1,2,3-cd]pyrene	193-39-5	7.3E-01	*	1.1E-04	C						M	1	0.13		1.5E-01	ca	2.1E+00	ca	8.7E-03	ca	1.1E-01	ca	2.9E-02	ca		1.6E-01	
Methylnaphthalene, 1-	90-12-0	2.9E-02	P			7.0E-03	P			V		1		4.6E+02	2.2E+01	ca*	9.9E+01	ca*					2.3E+00	ca		1.5E-02	
Methylnaphthalene, 2-	91-57-6					4.0E-03	I			V		1		4.4E+02	3.1E+02	nc	4.1E+03	nc					1.5E+02	nc		9.0E-01	
Naphthalene	91-20-3			3.4E-05	C	2.0E-02	I	3.0E-03	I	V		1	0.13		3.9E+00	ca*	2.0E+01	ca*	7.2E-02	ca*	3.6E-01	ca*	1.4E-01	ca*		5.6E-04	
Pyrene	129-00-0					3.0E-02	I			V		1	0.13		1.7E+03	nc	1.7E+04	nc					1.1E+03	nc		1.5E+02	
Paraquat Dichloride	1910-42-5					4.5E-03	I					1	0.1		2.7E+02	nc	2.8E+03	nc					1.6E+02	nc		4.9E-01	
Parathion	56-38-2					6.0E-03	H					1	0.1		3.7E+02	nc	3.7E+03	nc					2.2E+02	nc		8.2E-01	
Polychlorinated Biphenyls (PCBs)																											
Aroclor 1016	12674-11-2	7.0E-02	I	2.0E-05	I	7.0E-05	I					1	0.14		3.9E+00	nc	2.1E+01	ca**	1.2E-01	ca	6.1E-01	ca	9.6E-01	ca**		5.2E-02	
Aroclor 1221	11104-28-2	2.0E+00	I	5.7E-04	I					V		1	0.14	3.0E+02	1.7E-01	ca	6.2E-01	ca	4.3E-03	ca	2.1E-02	ca	6.8E-03	ca		1.4E-04	
Aroclor 1232	11141-16-5	2.0E+00	I	5.7E-04	I					V		1	0.14	3.0E+02	1.7E-01	ca	6.2E-01	ca	4.3E-03	ca	2.1E-02	ca	6.8E-03	ca		1.4E-04	
Aroclor 1242	53469-21-9	2.0E+00	I	5.7E-04	I							1	0.14		2.2E-01	ca	7.4E-01	ca	4.3E-03	ca	2.1E-02	ca	3.4E-02	ca		3.0E-03	
Aroclor 1248	12672-29-6	2.0E+00	I	5.7E-04	I							1	0.14		2.2E-01	ca	7.4E-01	ca	4.3E-03	ca	2.1E-02	ca	3.4E-02	ca		3.0E-03	
Aroclor 1254	11097-69-1	2.0E+00	I	5.7E-04	I	2.0E-05	I					1	0.14		2.2E-01	ca**	7.4E-01	ca*	4.3E-03	ca	2.1E-02	ca	3.4E-02	ca*		5.1E-03	
Aroclor 1260	11096-82-5	2.0E+00	I	5.7E-04	I							1	0.14		2.2E-01	ca	7.4E-01	ca	4.3E-03	ca	2.1E-02	ca	3.4E-02	ca		1.4E-02	
Heptachlorobiphenyl, 2,2',3,3',4,4',5- (PCB 170)	35065-30-6	1.5E+01	W	3.3E-03	W							1	0.14		3.0E-02	ca	9.9E-02	ca	7.4E-04	ca	3.7E-03	ca	4.5E-03	ca		1.9E-03	
Heptachlorobiphenyl, 2,2',3,4,4',5,5'- (PCB 180)	35065-29-3	1.5E+00	W	3.3E-04	W							1	0.14		3.0E-01	ca	9.9E-01	ca	7.4E-03	ca	3.7E-02	ca	4.5E-02	ca		1.9E-02	
Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		6.2E-03	
Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		3.7E-03	
Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		3.7E-03	
Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		3.7E-03	
Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	4.5E+03	W	9.9E-01	W							1	0.14		9.8E-05	ca	3.3E-04	ca	2.5E-06	ca	1.2E-05	ca	1.5E-05	ca		3.7E-06	
Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		2.3E-03	
Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		2.2E-03	
Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		2.3E-03	
Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	4.5E+00	W	9.9E-04	W							1	0.14		9.8E-02	ca	3.3E-01	ca	2.5E-03	ca	1.2E-02	ca	1.5E-02	ca		2.3E-03	
Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	1.5E+04	W	3.3E+00	W							1	0.14		3.0E-05	ca	9.9E-05	ca	7.4E-07	ca	3.7E-06	ca	4.5E-06	ca		6.7E-07	
Polychlorinated Biphenyls (high risk)	1336-36-3	2.0E+00	I	5.7E-04	C							1	0.1		2.4E-01	ca	8.6E-01	ca	4.3E-03	ca	2.2E-02	ca					
Polychlorinated Biphenyls (low risk)	1336-36-3	4.0E-01	I	1.0E-04	I							1	0.1						2.4E-02	ca	1.2E-01	ca	1.7E-01	ca	5.0E-01	1.5E-02	4.5E-02
Polychlorinated Biphenyls (lowest risk)	1336-36-3	7.0E-02	I									1	0.1														
Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	1.5E+01	W	3.3E-03	W							1	0.14		3.0E-02	ca	9.9E-02	ca	7.4E-04	ca	3.7E-03	ca	4.5E-03	ca		4.0E-04	
Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	4.5E+01	W	9.9E-03	W							1	0.14		9.8E-03	ca	3.3E-02	ca	2.5E-04	ca	1.2E-03	ca	1.5E-03	ca		1.3E-04	
Pebulate	1114-71-2					5.0E-02	H					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		2.1E+00	
Pendimethalin	40487-42-1					4.0E-02	I					1	0.1		2.4E+03	nc	2.5E+04	nc					1.5E+03	nc		7.9E+00	
Pentabromodiphenyl Ether	32534-81-9					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		4.5E+00	
Pentachlorobenzene	608-93-5					8.0E-04	I					1	0.1		4.9E+01	nc	4.9E+02	nc					2.9E+01	nc		1.2E-01	
Pentachloronitrobenzene	82-68-8	2.6E-01	H			3.0E-03	I					1	0.1		1.9E+00	ca*	6.6E+00	ca					2.6E-01	ca		1.3E-03	
Pentachlorophenol	87-86-5	1.2E-01	I			3.0E-02	I					1	0.25		3.0E+00	ca	9.0E+00	ca					5.6E-01	ca	1.0E+00	3.9E-03	7.0E-03
Perchlorate and Perchlorate Salts	14797-73-0					7.0E-04	I					1			5.5E+01	nc	7.2E+02	nc					2.6E+01	nc			
Permethrin	52645-53-1					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		6.5E+02	
Phenmedipham	13684-63-4					2.5E-01	I					1	0.1		1.5E+04	nc	1.5E+05	nc					9.1E+03	nc		6.8E+00	
Phenol	108-95-2					3.0E-01	I	2.0E-01	C			1	0.1		1.8E+04	nc	1.8E+05	nc	2.1E+02	nc	8.8E+02	nc	1.1E+04	nc		8.1E+00	
Phenylenediamine, m-	108-45-2					6.0E-03	I					1	0.1		3.7E+02	nc	3.7E+03	nc					2.2E+02	nc		7.6E-02	
Phenylenediamine, o-	95-54-5	4.7E-02	H									1	0.1		1.0E+01	ca	3.7E+01	ca					1.4E+00	ca		5.0E-04	
Phenylenediamine, p-	106-50-3					1.9E-01	H					1	0.1		1.2E+04	nc	1.2E+05	nc					6.9E+03	nc		2.4E+00	
Phenylphenol, 2-	90-43-7	1.9E-03	H									1	0.1		2.5E+02	ca	8.9E+02	ca					3.5E+01	ca		7.2E-01	
Phorate	298-02-2					2.0E-04	H					1	0.1		1.2E+01	nc	1.2E+02	nc					7.3E+00	nc		7.9E-03	
Phosgene	75-44-5							3.0E-04	I	V		1		8.7E+04	4.0E-01	nc	1.7E+00	nc	3.1E-01	nc	1.3E+00	nc					
Phosmet	732-11-6					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		2.1E-01	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; H = HEAST; W = WHO; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V= volatile; ca = cancer; ca* = where: nc SL < 100X ca SL; ca** = where nc SL < 10X ca SL; nc = noncancer; max=Concentration may exceed ceiling limit (See User's Guide); sat=Concentration may exceed Csat (See User's Guide); SSL values are bsed on DAF=1

Contaminant		Toxicity and Chemical-specific Information												Screening Levels										Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Phosphine	7803-51-2					3.0E-04	I	3.0E-04	I			1			2.3E+01	nc	3.1E+02	nc	3.1E-01	nc	1.3E+00	nc	1.1E+01	nc			
Phosphoric Acid	7664-38-2							1.0E-02	I			1			1.4E+07	nc	6.0E+07	nc	1.0E+01	nc	4.4E+01	nc					
Phosphorus, White	7723-14-0					2.0E-05	I					1			1.6E+00	nc	2.0E+01	nc					7.3E-01	nc			
Phthalic Acid, P-	100-21-0					1.0E+00	H					1	0.1		6.1E+04	nc	6.2E+05	nc					3.7E+04	nc		1.3E+01	
Phthalic Anhydride	85-44-9					2.0E+00	I	2.0E-02	C			1	0.1		1.2E+05	nc	1.2E+06	nc	2.1E+01	nc	8.8E+01	nc	7.3E+04	nc		1.6E+01	
Picloram	1918-02-1					7.0E-02	I					1	0.1		4.3E+03	nc	4.3E+04	nc					2.6E+03	nc	5.0E+02	6.0E-01	1.2E-01
Pirimiphos, Methyl	29232-93-7					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		1.7E-01	
Polybrominated Biphenyls	59536-65-1	3.0E+01	C	8.6E-03	C	7.0E-06	H					1	0.1		1.6E-02	ca*	5.7E-02	ca*	2.8E-04	ca	1.4E-03	ca	2.2E-03	ca			
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9							6.0E-04	I			1	0.1		8.5E+05	nc	3.6E+06	nc	6.3E-01	nc	2.6E+00	nc					
Potassium Perchlorate	7778-74-7					7.0E-04	I					1			5.5E+01	nc	7.2E+02	nc					2.6E+01	nc			
Prochloraz	67747-09-5	1.5E-01	I			9.0E-03	I					1	0.1		3.2E+00	ca	1.1E+01	ca					4.5E-01	ca		2.5E-03	
Profluralin	26399-36-0					6.0E-03	H					1	0.1		3.7E+02	nc	3.7E+03	nc					2.2E+02	nc		8.0E+00	
Prometon	1610-18-0					1.5E-02	I					1	0.1		9.2E+02	nc	9.2E+03	nc					5.5E+02	nc		2.8E-01	
Prometryn	7287-19-6					4.0E-03	I					1	0.1		2.4E+02	nc	2.5E+03	nc					1.5E+02	nc		2.3E-01	
Propachlor	1918-16-7					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		3.7E-01	
Propanil	709-98-8					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		1.1E-01	
Propargite	2312-35-8					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		2.0E+02	
Propargyl Alcohol	107-19-7					2.0E-03	I					1	0.1		1.2E+02	nc	1.2E+03	nc					7.3E+01	nc		1.5E-02	
Propazine	139-40-2					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		6.7E-01	
Propham	122-42-9					2.0E-02	I					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		3.3E-01	
Propiconazole	60207-90-1					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		5.4E+00	
Propylene Glycol	57-55-6					2.0E+01	P					1	0.1		1.2E+06	nc	1.2E+07	nc					7.3E+05	nc		1.5E+02	
Propylene Glycol Dinitrate	6423-43-4						A	2.7E-04	A	V		1		1.4E+03	6.0E+01	nc	2.5E+02	nc	2.8E-01	nc	1.2E+00	nc	5.7E-01	nc		1.9E-04	
Propylene Glycol Monoethyl Ether	1569-02-4					7.0E-01	H					1	0.1		4.3E+04	nc	4.3E+05	nc					2.6E+04	nc		5.2E+00	
Propylene Glycol Monomethyl Ether	107-98-2					7.0E-01	H	2.0E+00	I			1	0.1		4.3E+04	nc	4.3E+05	nc	2.1E+03	nc	8.8E+03	nc	2.6E+04	nc		5.2E+00	
Propylene Oxide	75-56-9	2.4E-01	I	3.7E-06	I			3.0E-02	I	V		1		6.8E+04	1.9E+00	ca	8.7E+00	ca	6.6E-01	ca*	3.3E+00	ca*	2.3E-01	ca		4.7E-05	
Pursuit	81335-77-5					2.5E-01	I					1	0.1		1.5E+04	nc	1.5E+05	nc					9.1E+03	nc		2.7E+01	
Pydrin	51630-58-1					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		8.1E+02	
Pyridine	110-86-1					1.0E-03	I			V		1		3.0E+05	7.8E+01	nc	1.0E+03	nc					3.7E+01	nc		9.7E-03	
Quinalphos	13593-03-8					5.0E-04	I					1	0.1		3.1E+01	nc	3.1E+02	nc					1.8E+01	nc		7.1E-02	
Quinoline	91-22-5	3.0E+00	I									1	0.1		1.6E-01	ca	5.7E-01	ca					2.2E-02	ca		8.7E-05	
Refractory Ceramic Fibers	NA							3.0E-02	A			1			4.3E+07	nc	1.8E+08	nc	3.1E+01	nc	1.3E+02	nc					
Resmethrin	10453-86-8					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		9.3E+02	
Ronnel	299-84-3					5.0E-02	H					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		7.7E+00	
Rotenone	83-79-4					4.0E-03	I					1	0.1		2.4E+02	nc	2.5E+03	nc					1.5E+02	nc		1.0E+02	
Savey	78587-05-0					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		7.6E+00	
Selenious Acid	7783-00-8					5.0E-03	I					1			3.9E+02	nc	5.1E+03	nc					1.8E+02	nc			
Selenium	7782-49-2					5.0E-03	I					1			3.9E+02	nc	5.1E+03	nc					1.8E+02	nc	5.0E+01		
Selenourea	630-10-4					5.0E-03	H					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc			
Sethoxydim	74051-80-2					9.0E-02	I					1	0.1		5.5E+03	nc	5.5E+04	nc					3.3E+03	nc		1.9E+01	
Silver	7440-22-4					5.0E-03	I					0.04			3.9E+02	nc	5.1E+03	nc					1.8E+02	nc			
Simazine	122-34-9	1.2E-01	H			5.0E-03	I					1	0.1		4.0E+00	ca*	1.4E+01	ca					5.6E-01	ca	4.0E+00	2.8E-04	2.0E-03
Sodium Acifluorfen	62476-59-9					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		3.1E+00	
Sodium Azide	26628-22-8					4.0E-03	I					1			3.1E+02	nc	4.1E+03	nc					1.5E+02	nc			
Sodium Diethyldithiocarbamate	148-18-5	2.7E-01	H			3.0E-02	I					1	0.1		1.8E+00	ca	6.4E+00	ca					2.5E-01	ca			
Sodium Fluoroacetate	62-74-8					2.0E-05	I					1	0.1		1.2E+00	nc	1.2E+01	nc					7.3E-01	nc		1.5E-04	
Sodium Metavanadate	13718-26-8					1.0E-03	H					1			7.8E+01	nc	1.0E+03	nc					3.7E+01	nc			
Sodium Perchlorate	7601-89-0					7.0E-04	I					1			5.5E+01	nc	7.2E+02	nc					2.6E+01	nc			
Stirofos (Tetrachlorovinphos)	961-11-5	2.4E-02	H			3.0E-02	I					1	0.1		2.0E+01	ca*	7.2E+01	ca					2.8E+00	ca		2.2E-03	
Strontium, Stable	7440-24-6					6.0E-01	I					1			4.7E+04	nc	6.1E+05	nc					2.2E+04	nc			
Strychnine	57-24-9					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		1.4E-01	
Styrene	100-42-5					2.0E-01	I	1.0E+00	I	V		1		1.0E+03	6.5E+03	sat	3.8E+04	nc	1.0E+03	nc	4.4E+03	nc	1.6E+03	nc	1.0E+02	2.0E+00	1.2E-01
Systhane	88671-89-0					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		2.1E+02	
TCMTB	21564-17-0					3.0E-02	H					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		8.3E+00	
Tebuthiuron	34014-18-1					7.0E-02	I					1	0.1		4.3E+03	nc	4.3E+04	nc					2.6E+03	nc		6.3E-01	
Temephos	3383-96-8					2.0E-02	H					1	0.1		1.2E+03	nc	1.2E+04	nc					7.3E+02	nc		2.3E+03	
Terbacil	5902-51-2					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		1.7E-01	
Terbufos	13071-79-9					2.5E-05	H					1	0.1		1.5E+00	nc	1.5E+01	nc					9.1E-01	nc		2.0E-03	
Terbutryn	886-50-0					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		5.4E-02	
Tetrachlorobenzene, 1,2,4,5-	95-94-3					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		2.8E-02	
Tetrachloroethane, 1,1,1,2-	630-20-6	2.6E-02	I	7.4E-06	I	3.0E-02	I			V		1		7.5E+02	2.0E+00	ca	9.8E+00	ca	3.3E-01	ca	1.7E+00	ca	5.2E-01	ca		2.1E-04	
Tetrachloroethane, 1,1,2,2-	79-34-5	2.0E-01	I	5.8E-05	I					V		1		2.1E+03	5.9E-01	ca	2.9E+00	ca	4.2E-02	ca	2.1E-01	ca	6.7E-02	ca		2.8E-05	
Tetrachloroethylene	127-18-4	5.4E-01	C	5.9E-06	C	1.0E-02	I	2.7E-01	A	V		1		1.8E+02	5.7E-01	ca	2.7E+00	ca	4.1E-01	ca	2.1E+00	ca	1.1E-01	ca	5.0E+00	5.2E-05	2.4E-03
Tetrachlorophenol, 2,3,4,6-	58-90-2					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		4.6E+00	
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	2.0E+01	H									1	0.1		2.4E-02	ca	8.6E-02	ca					3.4E-03	ca		1.4E-05	
Tetraethyl Dithiopyrophosphate	3689-24-5					5.0E-04	I					1	0.1		3.1E+01	nc	3.1E+02	nc					1.8E+01	nc		1.4E-01	
Tetrafluoroethane, 1,1,1,2-	811-97-2							8.0E+01	I	V		1		8.2E+02	1.1E+05	sat	4.7E+05	nc	8.3E+04	nc	3.5E+05	nc	1.7E+05	nc		9.6E+01	
Tetryl (Trinitrophenylmethylnitramine)	479-45-8					4.0E-03	P					1	0.1		2.4E+02	nc	2.5E+03	nc					1.5E+02	nc		6.5E-01	
Thallium (I) Nitrate	10102-45-1					9.0E-05	I					1			7.0E+00	nc	9.2E+01	nc					3.3E+00	nc			
Thallium (Soluble Salts)	7440-28-0					6.5E-05	S					1			5.1E+00	nc	6.6E+01	nc					2.4E+00	nc	2.0E+00		
Thallium Acetate	563-68-8					9.0E-05	I					1			7.0E+00	nc	9.2E+01	nc					3.3E+00	nc			
Thallium Carbonate	6533-73-9					8.0E-05	I					1			6.3E+00	nc	8.2E+01	nc					2.9E+00	nc			

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Contaminant		Toxicity and Chemical-specific Information												Screening Levels											Protection of Groundwater Soil Screening Levels	
Analyte	CAS No.	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfDo (mg/kg-day)	key	RfCi (mg/m^3)	key	voc	muta-gen	RAGS Part E GIABS	RAGS Part E ABS	Csat mg/kg	Residential Soil mg/kg	key	Industrial Soil mg/kg	key	Residential Air ug/m^3	key	Industrial Air ug/m^3	key	Tapwater ug/L	key	MCL ug/L	Risk-based SSL mg/kg	MCL-based SSL mg/kg
Thallium Chloride	7791-12-0					8.0E-05	I					1			6.3E+00	nc	8.2E+01	nc					2.9E+00	nc			
Thallium Sulfate	7446-18-6					8.0E-05	I					1			6.3E+00	nc	8.2E+01	nc					2.9E+00	nc			
Thiobencarb	28249-77-6					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		2.0E+00	
Thiofanox	39196-18-4					3.0E-04	H					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		4.3E-03	
Thiophanate, Methyl	23564-05-8					8.0E-02	I					1	0.1		4.9E+03	nc	4.9E+04	nc					2.9E+03	nc		6.7E-01	
Thiram	137-26-8					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		4.0E-02	
Tin	7440-31-5					6.0E-01	H					1			4.7E+04	nc	6.1E+05	nc					2.2E+04	nc			
Toluene	108-88-3					8.0E-02	I	5.0E+00	I	V		1		9.3E+02	5.0E+03	sat	4.6E+04	nc	5.2E+03	nc	2.2E+04	nc	2.3E+03	nc	1.0E+03	1.7E+00	7.6E-01
Toluene diisocyanate mixture (TDI)	26471-62-5							7.0E-05	I	V		1		2.1E+03	5.4E+01	nc	2.3E+02	nc	7.3E-02	nc	3.1E-01	nc	1.5E-01	nc		2.7E-03	
Toluene-2,4-diamine	95-80-7	3.8E+00	C	1.1E-03	C							1	0.1		1.3E-01	ca	4.5E-01	ca	2.2E-03	ca	1.1E-02	ca	1.8E-02	ca		7.8E-06	
Toluene-2,5-diamine	95-70-5					6.0E-01	H					1	0.1		3.7E+04	nc	3.7E+05	nc					2.2E+04	nc		9.6E+00	
Toluene-2,6-diamine	823-40-5					3.0E-02	P					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		4.9E-01	
Toluidine, o- (Methylaniline, 2-)	95-53-4	1.8E-01	C	5.1E-05	C							1	0.1		2.7E+00	ca	9.6E+00	ca	4.8E-02	ca	2.4E-01	ca	3.7E-01	ca		1.3E-04	
Toluidine, p-	106-49-0	1.9E-01	H									1	0.1		2.6E+00	ca	9.1E+00	ca					3.5E-01	ca		1.2E-04	
Toxaphene	8001-35-2	1.1E+00	I	3.2E-04	I							1	0.1		4.4E-01	ca	1.6E+00	ca	7.6E-03	ca	3.8E-02	ca	6.1E-02	ca	3.0E+00	1.2E-02	6.0E-01
Tralomethrin	66841-25-6					7.5E-03	I					1	0.1		4.6E+02	nc	4.6E+03	nc					2.7E+02	nc		1.4E+02	
Triallate	2303-17-5					1.3E-02	I					1	0.1		7.9E+02	nc	8.0E+03	nc					4.7E+02	nc		1.7E+00	
Triasulfuron	82097-50-5					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		3.3E-01	
Tribromobenzene, 1,2,4-	615-54-3					5.0E-03	I					1	0.1		3.1E+02	nc	3.1E+03	nc					1.8E+02	nc		3.0E-01	
Tributyltin Compounds	NA					3.0E-04	P					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc			
Tributyltin Oxide	56-35-9					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		8.2E+02	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1					3.0E+01	I	3.0E+01	H	V		1		9.4E+02	4.3E+04	sat	1.8E+05	nc	3.1E+04	nc	1.3E+05	nc	5.9E+04	nc		1.5E+02	
Trichloroaniline HCl, 2,4,6-	33663-50-2	2.9E-02	H									1	0.1		1.7E+01	ca	5.9E+01	ca					2.3E+00	ca		2.2E-03	
Trichloroaniline, 2,4,6-	634-93-5	3.4E-02	H									1	0.1		1.4E+01	ca	5.1E+01	ca					2.0E+00	ca		1.2E-03	
Trichlorobenzene, 1,2,4-	120-82-1	3.6E-03	C			1.0E-02	I			V		1		2.2E+02	1.8E+02	ca**	7.9E+02	ca*					1.9E+01	ca*	7.0E+01	3.1E-02	1.1E-01
Trichloroethane, 1,1,1-	71-55-6					2.0E+00	I	5.0E+00	I	V		1		6.8E+02	9.0E+03	sat	3.9E+04	nc	5.2E+03	nc	2.2E+04	nc	9.1E+03	nc	2.0E+02	3.3E+00	7.2E-02
Trichloroethane, 1,1,2-	79-00-5	5.7E-02	I	1.6E-05	I	4.0E-03	I			V		1		5.6E+02	1.1E+00	ca	5.5E+00	ca	1.5E-01	ca	7.7E-01	ca	2.4E-01	ca	5.0E+00	8.2E-05	1.7E-03
Trichloroethylene	79-01-6	1.3E-02	C	2.0E-06	C					V		1		7.5E+02	2.8E+00	ca	1.4E+01	ca	1.2E+00	ca	6.1E+00	ca	1.7E+00	ca	5.0E+00	6.1E-04	1.9E-03
Trichlorofluoromethane	75-69-4					3.0E-01	I	7.0E-01	H	V		1		1.3E+03	8.0E+02	nc	3.4E+03	nc	7.3E+02	nc	3.1E+03	nc	1.3E+03	nc		8.4E-01	
Trichlorophenol, 2,4,5-	95-95-4					1.0E-01	I					1	0.1		6.1E+03	nc	6.2E+04	nc					3.7E+03	nc		9.4E+00	
Trichlorophenol, 2,4,6-	88-06-2	1.1E-02	I	3.1E-06	I	1.0E-03	P					1	0.1		4.4E+01	ca**	1.6E+02	ca**	7.8E-01	ca	4.0E+00	ca	6.1E+00	ca**		1.6E-02	
Trichlorophenoxy) Propionic Acid, 2(2,4,5-	93-72-1					8.0E-03	I					1	0.1		4.9E+02	nc	4.9E+03	nc					2.9E+02	nc	5.0E+01	1.1E-01	1.8E-02
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5					1.0E-02	I					1	0.1		6.1E+02	nc	6.2E+03	nc					3.7E+02	nc		1.1E-01	
Trichloropropane, 1,1,2-	598-77-6					5.0E-03	I			V		1		1.4E+03	3.9E+02	nc	5.1E+03	nc					1.8E+02	nc		7.6E-02	
Trichloropropane, 1,2,3-	96-18-4	7.0E+00	H			6.0E-03	I			V		1		1.6E+03	9.1E-02	ca	4.1E-01	ca					9.6E-03	ca		4.4E-06	
Tridiphane	58138-08-2					3.0E-03	I					1	0.1		1.8E+02	nc	1.8E+03	nc					1.1E+02	nc		4.1E-01	
Triethylamine	121-44-8							7.0E-03	I	V		1		5.5E+04	1.7E+02	nc	7.1E+02	nc	7.3E+00	nc	3.1E+01	nc	1.5E+01	nc		6.1E-03	
Trifluralin	1582-09-8	7.7E-03	I			7.5E-03	I					1	0.1		6.3E+01	ca**	2.2E+02	ca*					8.7E+00	ca*		1.7E-01	
Trimethyl Phosphate	512-56-1	3.7E-02	H									1	0.1		1.3E+01	ca	4.7E+01	ca					1.8E+00	ca		3.9E-04	
Trimethylbenzene, 1,2,4-	95-63-6							7.0E-03	P	V		1		2.5E+02	6.7E+01	nc	2.8E+02	nc	7.3E+00	nc	3.1E+01	nc	1.5E+01	nc		2.4E-02	
Trinitrobenzene, 1,3,5-	99-35-4					3.0E-02	I					1	0.1		1.8E+03	nc	1.8E+04	nc					1.1E+03	nc		2.6E+00	
Trinitrotoluene, 2,4,6-	118-96-7	3.0E-02	I			5.0E-04	I					1	0.1		1.6E+01	ca**	5.7E+01	ca**					2.2E+00	ca**		8.7E-03	
Tri-n-butyltin	688-73-3					3.0E-04	A					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		2.8E-01	
Uranium (Soluble Salts)	NA					3.0E-03	I					1			2.3E+02	nc	3.1E+03	nc					1.1E+02	nc			
Vanadium Pentoxide	1314-62-1					9.0E-03	I					0.026			7.0E+02	nc	9.2E+03	nc					3.3E+02	nc			
Vanadium Sulfate	36907-42-3					2.0E-02	H					0.026			1.6E+03	nc	2.0E+04	nc					7.3E+02	nc			
Vanadium and Compounds	NA					5.0E-03	S					1			3.9E+02	nc	5.2E+03	nc					1.8E+02	nc			
Vanadium, Metallic	7440-62-2					7.0E-03	H					0.026			5.5E+02	nc	7.2E+03	nc					2.6E+02	nc			
Vanadyl Sulfate	27774-13-6					2.0E-02	H					1			1.6E+03	nc	2.0E+04	nc					7.3E+02	nc			
Vernolate	1929-77-7					1.0E-03	I					1	0.1		6.1E+01	nc	6.2E+02	nc					3.7E+01	nc		4.2E-02	
Vinclozolin	50471-44-8					2.5E-02	I					1	0.1		1.5E+03	nc	1.5E+04	nc					9.1E+02	nc		7.1E-01	
Vinyl Acetate	108-05-4					1.0E+00	H	2.0E-01	I	V		1		2.8E+03	9.9E+02	nc	4.2E+03	nc	2.1E+02	nc	8.8E+02	nc	4.1E+02	nc		8.8E-02	
Vinyl Bromide	593-60-2							3.0E-03	I	V		1		1.7E+03	4.7E+00	nc	2.0E+01	nc	3.1E+00	nc	1.3E+01	nc	6.3E+00	nc		1.8E-03	
Vinyl Chloride	75-01-4	7.2E-01	I	4.4E-06	I	3.0E-03	I	1.0E-01	I	V	M	1		4.0E+03	6.0E-02	ca	1.7E+00	ca	1.6E-01	ca	2.8E+00	ca	1.6E-02	ca	2.0E+00	5.6E-06	7.0E-04
Warfarin	81-81-2					3.0E-04	I					1	0.1		1.8E+01	nc	1.8E+02	nc					1.1E+01	nc		8.2E-03	
Xylene, Mixture	1330-20-7					2.0E-01	I	1.0E-01	I	V		1		3.0E+02	6.0E+02	sat	2.6E+03	nc	1.0E+02	nc	4.4E+02	nc	2.0E+02	nc	1.0E+04	2.3E-01	1.1E+01
Xylene, P-	106-42-3							7.0E-01	C	V		1		4.5E+02	4.7E+03	sat	2.0E+04	nc	7.3E+02	nc	3.1E+03	nc	1.5E+03	nc		1.6E+00	
Xylene, m-	108-38-3					2.0E+00	H	7.0E-01	C	V		1		4.4E+02	4.5E+03	sat	1.9E+04	nc	7.3E+02	nc	3.1E+03	nc	1.4E+03	nc		1.6E+00	
Xylene, o-	95-47-6					2.0E+00	H	7.0E-01	C	V		1		3.0E+02	5.3E+03	sat	2.3E+04	nc	7.3E+02	nc	3.1E+03	nc	1.4E+03	nc		1.6E+00	
Zinc (Metallic)	7440-66-6					3.0E-01	I					1			2.3E+04	nc	3.1E+05	nc					1.1E+04	nc			
Zinc Phosphide	1314-84-7					3.0E-04	I					1			2.3E+01	nc	3.1E+02	nc					1.1E+01	nc			
Zineb	12122-67-7					5.0E-02	I					1	0.1		3.1E+03	nc	3.1E+04	nc					1.8E+03	nc		4.0E-01	

Table B. Environmental Screening Levels (ESLs)
Shallow Soils (≤3 m bgs)
Groundwater is not a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
Chemical	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
Acenaphthene	1.9E+01	1.9E+01	2.3E+01
Acenaphthylene	1.3E+01	1.3E+01	3.0E+01
Acetone	5.0E-01	5.0E-01	1.5E+03
Aldrin	3.2E-02	1.3E-01	1.3E-01
Anthracene	2.8E+00	2.8E+00	7.3E-01
Antimony	6.3E+00	4.0E+01	3.0E+01
Arsenic	3.9E-01	1.6E+00	3.6E+01
Barium	7.5E+02	1.5E+03	1.0E+03
Benzene	1.2E-01	2.7E-01	4.6E+01
Benzo(a)anthracene	3.8E-01	1.3E+00	2.7E-02
Benzo(b)fluoranthene	3.8E-01	1.3E+00	2.9E-02
Benzo(k)fluoranthene	3.8E-01	1.3E+00	4.0E-01
Benzo(g,h,i)perylene	2.7E+01	2.7E+01	1.0E-01
Benzo(a)pyrene	3.8E-02	1.3E-01	1.4E-02
Beryllium	4.0E+00	8.0E+00	5.3E-01
1,1-Biphenyl	6.5E+00	6.5E+00	5.0E+00
Bis(2-chloroethyl) ether	1.5E-01	1.6E-01	1.2E+01
Bis(2-chloroisopropyl) ether	3.4E-02	7.7E-02	1.2E+01
Bis(2-ethylhexyl) phthalate	3.5E+01	1.2E+02	3.2E+01
Boron	1.6E+00	2.0E+00	1.6E+00
Bromodichloromethane	5.7E-01	1.3E+00	1.7E+02
Bromoform (Tribromomethane)	2.4E+01	2.4E+01	1.1E+03
Bromomethane	7.0E-01	2.3E+00	1.6E+02
Cadmium	1.7E+00	7.4E+00	2.5E-01
Carbon tetrachloride	2.0E-02	4.4E-02	9.3E+00
Chlordane	4.4E-01	1.7E+00	4.0E-03
p-Chloroaniline	5.3E-02	5.3E-02	5.0E+00
Chlorobenzene	1.5E+00	1.5E+00	2.5E+01
Chloroethane	8.5E-01	8.5E-01	1.2E+01
Chloroform	6.8E-01	1.5E+00	3.3E+02
Chloromethane	6.4E+00	6.4E+00	4.1E+01
2-Chlorophenol	1.2E-01	1.2E-01	1.8E+00
Chromium (total)			1.8E+02
Chromium III	7.5E+02	7.5E+02	1.8E+02
Chromium VI	8.0E+00	8.0E+00	1.1E+01
Chrysene	2.3E+01	2.3E+01	3.5E-01
Cobalt	4.0E+01	8.0E+01	3.0E+00
Copper	2.3E+02	2.3E+02	3.1E+00
Cyanide	3.6E-03	3.6E-03	1.0E+00
Dibenz(a,h)anthracene	6.2E-02	2.1E-01	2.5E-01
Dibromochloromethane	7.6E+00	1.4E+01	1.7E+02
1,2-dibromo-3-chloropropane	4.5E-03	4.5E-03	2.0E-01
1,2-Dibromoethane	1.9E-02	4.4E-02	1.5E+02
1,2-Dichlorobenzene	1.6E+00	1.6E+00	1.4E+01

Table B. Environmental Screening Levels (ESLs)
Shallow Soils (≤3 m bgs)
Groundwater is not a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
Chemical	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
1,3-Dichlorobenzene	7.4E+00	7.4E+00	6.5E+01
1,4-Dichlorobenzene	1.2E+00	1.8E+00	1.5E+01
3,3-Dichlorobenzidine	5.3E-01	2.4E+00	2.5E+02
Dichlorodiphenyldichloroethane (DDD)	2.4E+00	1.0E+01	1.0E-03
Dichlorodiphenyldichloroethene (DDE)	1.7E+00	4.0E+00	1.0E-03
Dichlorodiphenyltrichloroethane (DDT)	1.7E+00	4.0E+00	1.0E-03
1,1-Dichloroethane	1.9E+00	1.9E+00	4.7E+01
1,2-Dichloroethane	2.2E-01	4.8E-01	2.0E+02
1,1-Dichloroethene	4.3E+00	4.3E+00	2.5E+01
cis-1,2-Dichloroethene	6.5E+00	1.8E+01	5.9E+02
trans-1,2-Dichloroethene	1.0E+01	3.4E+01	5.9E+02
2,4-Dichlorophenol	3.0E+00	3.0E+00	3.0E+00
1,2-Dichloropropane	4.6E-01	1.0E+00	1.0E+02
1,3-Dichloropropene	1.7E-01	3.6E-01	2.4E+01
Dieldrin	2.3E-03	2.3E-03	1.9E-03
Diethyl phthalate	3.5E-02	3.5E-02	1.5E+00
Dimethyl phthalate	3.5E-02	3.5E-02	1.5E+00
2,4-Dimethylphenol	7.4E-01	7.4E-01	1.1E+02
2,4-Dinitrophenol	4.2E-02	4.2E-02	1.5E+01
2,4-Dinitrotoluene	8.6E-01	8.6E-01	1.2E+02
1,4-Dioxane	2.4E+01	3.0E+01	5.0E+04
Dioxin (2,3,7,8-TCDD)	4.5E-06	1.8E-05	1.0E-06
Endosulfan	4.6E-03	4.6E-03	8.7E-03
Endrin	6.5E-04	6.5E-04	2.3E-03
Ethylbenzene	2.3E+00	4.7E+00	4.3E+01
Fluoranthene	4.0E+01	4.0E+01	8.0E+00
Fluorene	8.9E+00	8.9E+00	3.9E+00
Heptachlor	1.3E-02	1.3E-02	3.6E-03
Heptachlor epoxide	1.4E-02	1.4E-02	3.6E-03
Hexachlorobenzene	3.4E-01	1.3E+00	3.7E+00
Hexachlorobutadiene	3.1E+00	4.6E+00	9.3E-01
γ-Hexachlorocyclohexane (Lindane)	9.8E-03	9.8E-03	1.6E-02
Hexachloroethane	1.2E+01	4.1E+01	1.2E+01
Indeno(1,2,3-c,d)pyrene	6.2E-01	2.1E+00	4.8E-02
Lead	2.0E+02	7.5E+02	2.5E+00
Mercury (elemental)	1.3E+00	1.0E+01	2.5E-02
Methoxychlor	1.9E+01	1.9E+01	3.0E-03
Methylene chloride	7.2E+00	1.7E+01	2.2E+03
Methyl ethyl ketone	1.3E+01	1.3E+01	1.4E+04
Methyl isobutyl ketone	3.9E+00	3.9E+00	1.7E+02
Methyl mercury	1.2E+00	1.2E+01	3.0E-03
2-Methylnaphthalene	2.5E-01	2.5E-01	2.1E+00
tert-Butyl methyl ether	8.4E+00	8.4E+00	1.8E+03
Molybdenum	4.0E+01	4.0E+01	2.4E+02

Table B. Environmental Screening Levels (ESLs)
Shallow Soils (≤3 m bgs)
Groundwater is not a Current or Potential Source of Drinking Water

	[1]Shallow Soil		
Chemical	[2]Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	[3]Groundwater (ug/L)
Naphthalene	1.3E+00	2.8E+00	2.4E+01
Nickel	1.5E+02	1.5E+02	8.2E+00
Pentachlorophenol	3.0E+00	5.0E+00	7.9E+00
Perchlorate	1.1E+01	1.4E+02	6.0E+02
Phenanthrene	1.1E+01	1.1E+01	4.6E+00
Phenol	3.9E+00	3.9E+00	2.6E+02
Polychlorinated biphenyls (PCBs)	2.2E-01	7.4E-01	1.4E-02
Pyrene	8.5E+01	8.5E+01	2.0E+00
Selenium	1.0E+01	1.0E+01	5.0E+00
Silver	2.0E+01	4.0E+01	1.9E-01
Styrene	1.5E+01	1.5E+01	1.0E+02
tert -Butyl alcohol	1.0E+02	1.1E+02	1.8E+04
1,1,1,2-Tetrachloroethane	2.0E+00	4.5E+00	9.3E+02
1,1,2,2-Tetrachloroethane	2.7E-01	6.0E-01	1.9E+02
Tetrachloroethene	3.7E-01	9.5E-01	1.2E+02
Thallium	1.3E+00	1.6E+01	4.0E+00
Toluene	9.3E+00	9.3E+00	1.3E+02
Toxaphene	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	1.0E+02	1.8E+02	2.1E+02
TPH (middle distillates)	1.0E+02	1.8E+02	2.1E+02
TPH (residual fuels)	3.7E+02	2.5E+03	2.1E+02
1,2,4-Trichlorobenzene	7.6E+00	7.6E+00	2.5E+01
1,1,1-Trichloroethane	7.8E+00	7.8E+00	6.2E+01
1,1,2-Trichloroethane	5.0E-01	1.1E+00	3.5E+02
Trichloroethene	1.9E+00	4.1E+00	3.6E+02
2,4,5-Trichlorophenol	1.8E-01	1.8E-01	1.1E+01
2,4,6-Trichlorophenol	1.6E+00	1.0E+01	9.7E+01
Vanadium	1.6E+01	2.0E+02	1.9E+01
Vinyl chloride	2.2E-02	4.7E-02	3.8E+00
Xylenes	1.1E+01	1.1E+01	1.0E+02
Zinc	6.0E+02	6.0E+02	8.1E+01

Notes:

1. Shallow soils defined as soils less than or equal to 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses.
3. Assumes potential discharge of groundwater into a freshwater, marine or estuary surface water system.

Soil ESLs intended to address direct-exposure, groundwater protection, ecologic (urban areas) and nuisance concerns under noted land-use scenarios. **Soil gas data should be collected for additional evaluation of potential indoor-air impacts at sites with areas of VOC-contaminated soil.**

Groundwater ESLs intended to be address drinking water, surface water, indoor-air and nuisance concerns. **Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded.**

Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals.

TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.).

Appendix B. Soil Boring Logs

Project: USCG Former UST Investigation | Boring: **AI-SB01** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/14/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/14/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **8.5**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
0						ASPHALT	ASPHALT				
1–3						FILL, hand auger 0.5 to 3.5 ft bgs.	FILL				
4						FILL, light brownish grey (2.5Y 6/2), pea gravel approx 0 .5 cm diamater					D
5–6							FILL	80	5	5	
7–8											
9						FILL, (2 Gley 3/10BG), clay rich layer within pea gravel, soil staining, petroleum odor	GP-GC	80		20	W
10		75	15.1			FILL, light brownish grey, (2.5Y 6/2) pea gravel approx 0.5 cm diamater AI-SB01-10		90		10	
11								90	10		W
12–14							FILL				
15		60	1.5			AI-SB01-15 FILL, angular gravel approx 1.5 cm diameter		90	5	5	
16–17							FILL				W
18		75	0.2			CLAY, dark greenish grey (2 Gley 3/10G), plastic, slight petroleum odor AI-SB01-18	CH	5	30	60	W
						Bottom of boring at 18 feet					

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AI-SB01 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

COAST GUARD ISLAND.GPJ 3/21/08

Project: USCG Former UST Investigation | Boring: **AI-SB02** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/14/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/14/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **11**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
						ASPHALT	ASPHALT				
1						FILL, hand auger 0.5 to 5 ft bgs.					
2											
3							FILL				D
4											
5											
6						SAND with clay lenses, light olive brown (2.5Y 3/10G), meduim grained, poorly graded			90	10	M
7							SW-SC				
8											
9			68.5			SAND, fine with minor gravel, color change to dark greenish grey (2 Gley 3/10g) soil staining, strong petrolium odor. Unit grades between sand with clay and clay with sand.		2	90	8	
10		60				AI-SB02-10	SP				
11	▽										
12						CLAY with sand	CLS		20	80	W
13						SAND with clay	SP-SC		60	40	
14						CLAY with sand	CLS		20	80	
15		60				SAND with clay			85	15	W
16							SP-SC				
17											
18			0.5			SAND with silt			90	10	
19							SM				
20		75	2.4			SAND with clay			50	50	W
21			0.6						90	10	
22											
23							SP-SC				
24											
25		75	0.5			AI-SB02-25					
						Bottom of boring at 25 feet					

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San Francisco CA, 94108
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Fax: (415) 395-9983

AI-SB02 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

COAST GUARD ISLAND.GPJ 3/21/08

Project: USCG Former UST Investigation | Boring: **AI-SB03** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/14/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/14/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **10**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
0						ASPHALT	ASPHALT				
1–4						FILL, hand auger 0.5 to 4 ft bgs.	FILL				
4–9						FILL, pea gravel with minor sand, sub rounded, fill used to backfill former tank excavation	FILL	95	5		
10	▽	50	129			GRAVEL with sand, dark greenish grey (2 GLEY 3/10G) strong petroleum odor.		60	40		W
12				☒		AI-SB03-12	GPS				
15		60				GRAVEL angular, 1.5 cm diamater		90	10		W
18						SAND, with clay	SP-SC		60	40	
19			1.2			CLAY, with sand			10	90	W
20		50		☒		AI-SB03-20	CLS		90	10	
21–24						GRAVEL slough, very loose, no recovery					
25		0	1.1			Bottom of boring at 25 feet					

COAST GUARD ISLAND.GPJ 3/21/08

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AI-SB03 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

Project: USCG Former UST Investigation | Boring: **AI-SB03a** | Pg. 1 of 1

Drilling Co: Vironex | Drilling Method: Direct Push | Date Started: 2/15/08

Location: Building 44 | Sampler / Wt & Drop: Grab / | Date Completed: 2/15/08

Logged by: S.C.Knight | Reviewed by: M.Enman

Water Level ▽ ATD 10

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
0						ASPHALT	ASPHALT				
2						FILL, road base, hand auger 0.5 to 4 ft bgs.	FILL				
4		100				FILL pea gravel, 0.5 cm diamater subrounded. Fill from former tank excavation.	FILL	80	20		
8						SAND with clay, (7.5 YR 4/3).	SC		70	30	M
10	▽	75	257	⊠		AI-SB03a-10, 2 GLEY 3/10B, strong petrolum odor and soil staining.		60	30	10	
12						GRAVEL with sand, well graded, loose	GWS				
14						SAND with clay, (2 Gley 4/5BG), poorly graded, stiff,			60	40	
		50	0.8	⊠		AI-SB03a-15	SP-SC				
20		50	0.6	⊠		AI-SB03a-20					
22						CLAY (2 Gley 2.5/10B)				100	
24			0.6	⊠		AI-SB03a-25	CH				
26						SAND with clay, sand size decreasing downwards,			70	30	
28							SC		70	30	
30		50	0.7	⊠		AI-SB03a-30					W
32						FILL (1 GLEY 4/10Y), loose, poor recovery, pea gravel sloughing from shallow interval	GP				
34		20		⊠		AI-SB03a-35					
						Bottom of boring at 35 feet					

COAST GUARD ISLAND.GPJ 3/21/08

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AI-SB03a Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

Project: USCG Former UST Investigation | Boring: **AI-SB04** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/14/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/14/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **10**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
0						ASPHALT	ASPHALT				
1						FILL, hand auger through road bed materials.					
2						Concrete pad	FILL				
3											
4						FILL, pea gravel, 0.5 cm sub rounded, poor recovery. Fill from former tank excavation.					
5		100						90	10		
6							FILL				
7											
8											
9						CLAY lense with fine sand, no odor, dark greyish brown (2.5Y 4/2)	CH		55	45	
10 ▽		20				FILL, pea gravel, 0.5 cm sub rounded, poor recovery. Fill from former tank excavation.					W
11							FILL				
12											
13						Refusal at 13.5 feet. concrete dust generated by attempts to push sampler. No samples collected at this location.					
						Bottom of boring at 13.5 feet					

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AI-SB04 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

COAST GUARD ISLAND.GPJ 3/21/08

Project: USCG Former UST Investigation | Boring: **AI-SB04a** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/14/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/14/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **10**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	ESTIMATED % OF SA	ESTIMATED % OF FI	MOISTURE
						ASPHALT	ASPHALT				
1						PEA GRAVEL, no recovery.					
2											
3											
4								90		10	
5											
6											
7							FILL				
8											
9											
10 ▽											W
11											
12											
13						Refusal at 13.5 feet. Concrete dust generated by attampts to advance sampler.					
						Bottom of boring at 13.5 feet					

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AI-SB04a Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

Project: USCG Former UST Investigation | Boring: **AI-SB05** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/14/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/14/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **10.5**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
						ASPHALT	ASPHALT				
1						SAND, very dark greeninh brown (10YR 3/2), poorly graded, fine grained					
2											
3							SP				
4									80	20	M
5		100				CLAY lenses within sand unit reddish black (2.5Y 2.5/1)					
6						SAND with clay, light olive brown (2.5Y 5/4), medium grained, increase in ammount of clay downwards	SC		70	30	
7											
8						CLAY with sand	CLS		30	70	
9											
10		75		⊠		SAND with clay AI-SB05-10	SC		70	30	W
11						SAND with gravel	SPG	10	70	20	
12											
13						CLAY with sand	CLS		20	80	
14						Color change to Gley 1 4/10Y Clay with minor sand			5	95	
15		75	0.5			SAND with clay, fine to medium grained			90	10	
16									50	50	W
17							SP-SC				
18											
19											
20		50		⊠		AI-SB05-20					
						Bottom of boring at 20 feet					

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AI-SB05 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

Project: USCG Former UST Investigation | Boring: **AI-SB06** | Pg. 1 of 1

Drilling Co: Vironex | Drilling Method: Direct Push | Date Started: 2/15/08

Location: Building 44 | Sampler / Wt & Drop: Grab / | Date Completed: 2/15/08

Logged by: S.C.Knight | Reviewed by: M.Enman

Water Level ▽ ATD 12

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
0						ASPHALT	ASPHALT				
1–4						SAND hand auger 0.5 to 4 ft bgs.	SP				
4–7						SAND (10YR 6/4) poorly graded Color change to 10YR 2/1	SP		95	5	
7–10						SAND with clay, 1 Gley 4/5, poorly graded	SP-SC		60	30	
10		80	0.1	⊠		AI-SB06-10					
10–12						SAND, with minor clay	SP		85	15	W
12–15						SAND with clay	SP-SC		60	30	
15		100		⊠		AI-SB06-15					
15–19			0.0			SAND poorly graded	SP		90	10	W
19			0.0			CLAY with minor sand and gravel, highly plastic	CH	5	5	90	
20				⊠		AI-SB06-20					
						Bottom of boring at 20 feet					

COAST GUARD ISLAND.GPJ 3/21/08

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AI-SB06 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

Project: USCG Former UST Investigation | Boring: **AI-SB07** | Pg. 1 of 1

Drilling Co: **Vironex** | Drilling Method: **Direct Push** | Date Started: **2/15/08**

Location: **Building 44** | Sampler / Wt & Drop: **Grab /** | Date Completed: **2/15/08**

Logged by: **S.C.Knight** | Reviewed by: **M.Enman**

Water Level ▽ ATD **12**

DEPTH - FT.	BLOW COUNT	% RECOVERY	FID\PID (ppm)	SAMPLES	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	ESTIMATED % OF GR	SA	FI	MOISTURE
0						ASPHALT	ASPHALT				
1–5						FILL hand auger 0.5 to 5 ft bgs.	FILL				
5–6						SAND, (10YR 5/4), poorly graded, loosed, with some clay lenses	SP		95	5	M
7–8						CLAY with sand and minor angular gravel up to 2 cm, stiff	CLS		20	80	
8–10		75	0.4			SAND with clay, (1 Gley 4/5Y), poorly graded AI-SB07-10	SP-SC		90 70	10 30	
12 ▽											W
13									95	5	
14						CLAY	CH		10	90	
15		75	0.4			SILT with sand, clay and minor gravel AI-SB07-15 AI-SB27-15(dup)	MLS	5	20	75	
16–17						SAND, loose	SP		85	15	
18–19						CLAY (1 Gley 4/5GY) Color change (1 Gley 3/N)	CH			100	
20		75				Bottom of boring at 20 feet					

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AI-SB07 Lithologic Log
U.S. Coast Guard

Project Location	Project No.	Fig.
Coast Guard Island, Alameda CA	**27-167**	

Appendix C. Waste Manifest

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility Altamont Profile Number

❑ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: United States Coast Guard
2. Site Address: Building 44, Coast Guard Island
3. City/ZIP: Alameda
4. State: CA
5. County: Alameda
6. Contact Name/Title: Amanda.L.Velasquez
7. Email Address: Amanda.L.Velasquez@uscg.mil
8. Phone: (510)535-7278
9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ❑ same as above

P. O. Number: _____

1. Customer Name: ERRG
2. Billing Address: 185 Mason Circle, Suite A
3. City, State and ZIP: Concord, CA 94520
4. Contact Name: Samantha Caruthers-Knight/Melanie Enmeg
5. Contact Email: Samantha.Knight@errg.com
6. Phone: 9259690750 FAX: (925) 969-0751
7. Transporter Name: unknown
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: Soil cuttings and wash water State Waste Code(s): N/A

b. Describe Process Generating Waste or Source of Contamination:

Soil removed during the installation of wells and drilling investigation, with water used to clean drilling equipment.

c. Typical Color(s): Brown

d. Strong Odor? ❑ Yes ☑ No Describe: _____

e. Physical State at 70°F: ❑ Solid ❑ Liquid ❑ Powder ☑ Semi-Solid or Sludge ❑ Other: _____

f. Layers? ❑ Single layer ❑ Multi- layer ☑ NA

g. Water Reactive? ❑ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): 40 to 60 ❑ NA(solid)

i. pH Range: ❑ ≤2 ☑ 2.1-12.4 ❑ ≥12.5 ❑ NA(solid) ❑ Actual: _____

j. Liquid Flash Point: ❑ < 140°F ☑ ≥ 140°F ❑ NA(solid) ❑ Actual: _____

k. Flammable Solid: ❑ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ❑ (See Attached)

Constituents *(Total Composition Must be ≥ 100%)*	Concentration %	Constituents *(Total Composition Must be ≥ 100%)*	Concentration %
1. Soil Cuttings (solid)	40-60%	4.	
2. Wash water (liquid)	40-60%	5.	
3. PPE and Plastic	0-1%	6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ Event ❑ Base/Ongoing (Check One)

b. Estimated Annual Quantity: 1 ❑ Tons ❑ Cubic Yards ☑ Drums ❑ Gallons ❑ Other (specify): _____

c. Shipping Frequency: all Units per ❑ Month ❑ Quarter ❑ Year ☑ One Time ❑ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ❑ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Hard hat, safety vest, gloves, boots

Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: Amanda Velasquez **Title:** Environmental Protection Specialist

Company Name: U.S. Coast Guard **Name (Print):** Amanda Velasquez

Date: March 21, 2008

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

Appendix D. Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-13063-1

Job Description: USCG-UST Removal

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Ms. Melanie Enman

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
04/21/2008
Revision: 1

cc: Ms. Samantha C Knight

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Job Narrative
720-J13063-1

Comments
No additional comments.

Receipt
Project name on the sample labels: USCG

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 32072 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 32147 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch #31970 was outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside of acceptance limits: 720-13063-14. There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #32006 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Concentration reported represents individual or discrete peaks: 720-13063-3 and 13063-8.

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 32194 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13063-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13063-1	**A1-SB06-10**					
Methylene Chloride		2.4	J	9.9	ug/Kg	8260B
Arsenic		1.3		0.96	mg/Kg	6010B
Barium		59		0.96	mg/Kg	6010B
Chromium		34		0.96	mg/Kg	6010B
Lead		2.5		0.96	mg/Kg	6010B
Mercury		0.078		0.050	mg/Kg	7471A
720-13063-2	**A1-SB06-15**					
Carbon disulfide		0.78	J	5.0	ug/Kg	8260B
Chloromethane		1.2	J	9.9	ug/Kg	8260B
Methylene Chloride		2.0	J	9.9	ug/Kg	8260B
Phenol		0.020	J	0.067	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.035	J	0.33	mg/Kg	8270C
Arsenic		1.5		1.0	mg/Kg	6010B
Barium		54		1.0	mg/Kg	6010B
Chromium		35		1.0	mg/Kg	6010B
Lead		2.6		1.0	mg/Kg	6010B
720-13063-3	**A1-SB06-20**					
Acetone		4700	J B	10000	ug/Kg	8260B
Naphthalene		5100		2000	ug/Kg	8260B
Phenol		0.019	J	0.067	mg/Kg	8270C
Naphthalene		0.44		0.067	mg/Kg	8270C
2-Methylnaphthalene		0.038	J	0.067	mg/Kg	8270C
Acenaphthene		0.014	J	0.067	mg/Kg	8270C
Diesel Range Organics [C10-C28]		1.1		1.0	mg/Kg	8015B
Arsenic		2.8		0.96	mg/Kg	6010B
Barium		47		0.96	mg/Kg	6010B
Chromium		37		0.96	mg/Kg	6010B
Lead		4.6		0.96	mg/Kg	6010B
Mercury		0.057		0.048	mg/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13063-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13063-4	**A1-SB06-W**					
Methyl tert-butyl ether		0.66	J	5.0	ug/L	8260B
Benzene		0.83	B	0.50	ug/L	8260B
Bromomethane		0.022	J B	1.0	ug/L	8260B
n-Butylbenzene		0.34	J B	1.0	ug/L	8260B
Carbon disulfide		0.24	J	5.0	ug/L	8260B
Ethylbenzene		0.68		0.50	ug/L	8260B
Isopropylbenzene		0.077	J	0.50	ug/L	8260B
Naphthalene		16		1.0	ug/L	8260B
Tetrachloroethene		0.21	J B	0.50	ug/L	8260B
Toluene		0.61		0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.32	J	0.50	ug/L	8260B
1,3,5-Trimethylbenzene		0.064	J	0.50	ug/L	8260B
Vinyl chloride		0.047	J	0.50	ug/L	8260B
Xylenes, Total		1.6		1.0	ug/L	8260B
Naphthalene		11		2.1	ug/L	8270C
Diesel Range Organics [C10-C28]		470		50	ug/L	8015B
Arsenic		0.0077		0.0050	mg/L	6010B
Barium		0.81		0.0050	mg/L	6010B
Chromium		0.054		0.0050	mg/L	6010B
Lead		0.029		0.0050	mg/L	6010B
720-13063-5	**A1-SB03A-10**					
Acetone		39	J	50	ug/Kg	8260B
Carbon disulfide		1.4	J	5.0	ug/Kg	8260B
Naphthalene		5.8	J	10	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		0.014	J	0.33	mg/Kg	8270C
Diesel Range Organics [C10-C28]		5.2		0.99	mg/Kg	8015B
Arsenic		2.5		1.0	mg/Kg	6010B
Barium		77		1.0	mg/Kg	6010B
Chromium		47		1.0	mg/Kg	6010B
Lead		2.7		1.0	mg/Kg	6010B
720-13063-6	**A1-SB03A-15**					
Methylene Chloride		1.8	J	10	ug/Kg	8260B
Naphthalene		9.9	J	10	ug/Kg	8260B
Arsenic		4.9		1.0	mg/Kg	6010B
Barium		73		1.0	mg/Kg	6010B
Chromium		44		1.0	mg/Kg	6010B
Lead		3.7		1.0	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13063-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13063-7	**A1-SB03A-20**					
Methylene Chloride		1.6	J	9.7	ug/Kg	8260B
Naphthalene		5.8	J	9.7	ug/Kg	8260B
Phenanthrene		0.012	J	0.067	mg/Kg	8270C
Anthracene		0.0047	J	0.067	mg/Kg	8270C
Fluoranthene		0.037	J	0.067	mg/Kg	8270C
Pyrene		0.030	J	0.067	mg/Kg	8270C
Chrysene		0.016	J	0.067	mg/Kg	8270C
Benzo[b]fluoranthene		0.025	J	0.067	mg/Kg	8270C
Benzo[a]pyrene		0.018	J	0.067	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.012	J	0.067	mg/Kg	8270C
Benzo[g,h,i]perylene		0.021	J	0.067	mg/Kg	8270C
Benzoic acid		0.052	J	0.33	mg/Kg	8270C
Diesel Range Organics [C10-C28]		2.1		1.0	mg/Kg	8015B
Arsenic		4.5		0.99	mg/Kg	6010B
Barium		71		0.99	mg/Kg	6010B
Chromium		37		0.99	mg/Kg	6010B
Lead		6.5		0.99	mg/Kg	6010B
Mercury		0.11		0.050	mg/Kg	7471A
720-13063-8	**A1-SB03A-25**					
Acetone		28	J	49	ug/Kg	8260B
Carbon disulfide		7.5		4.9	ug/Kg	8260B
Naphthalene		5.3	J	9.8	ug/Kg	8260B
Phenol		0.061	J	0.067	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.010	J	0.33	mg/Kg	8270C
Benzoic acid		0.053	J	0.33	mg/Kg	8270C
Diesel Range Organics [C10-C28]		2.2		1.0	mg/Kg	8015B
Arsenic		3.5		1.0	mg/Kg	6010B
Barium		23		1.0	mg/Kg	6010B
Chromium		46		1.0	mg/Kg	6010B
Lead		4.3		1.0	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13063-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13063-9	**A1-SB03A-30**					
Acetone		63		49	ug/Kg	8260B
Carbon disulfide		9.0		4.9	ug/Kg	8260B
Methylene Chloride		4.8	J	9.8	ug/Kg	8260B
Naphthalene		5.3	J B	9.8	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		0.024	J	0.33	mg/Kg	8270C
Benzo[b]fluoranthene		0.0053	J	0.067	mg/Kg	8270C
Arsenic		5.1		1.0	mg/Kg	6010B
Barium		32		1.0	mg/Kg	6010B
Chromium		47		1.0	mg/Kg	6010B
Lead		14		1.0	mg/Kg	6010B
Mercury		0.068		0.048	mg/Kg	7471A
720-13063-10	**A1-SB03A-35**					
Gasoline Range Organics (GRO)-C5-C12		1.3		0.24	mg/Kg	8260B
Carbon disulfide		0.75	J	5.0	ug/Kg	8260B
Methylene Chloride		2.2	J	9.9	ug/Kg	8260B
Naphthalene		5.9	J	9.9	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		0.028	J	0.33	mg/Kg	8270C
Diesel Range Organics [C10-C28]		7.0		1.0	mg/Kg	8015B
Arsenic		1.9		0.99	mg/Kg	6010B
Barium		50		0.99	mg/Kg	6010B
Chromium		18		0.99	mg/Kg	6010B
Lead		3.4		0.99	mg/Kg	6010B
720-13063-11	**A1-SB07-10**					
Acetone		22	J	49	ug/Kg	8260B
Carbon disulfide		1.3	J	4.9	ug/Kg	8260B
Methylene Chloride		1.8	J	9.7	ug/Kg	8260B
Naphthalene		5.1	J	9.7	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		0.011	J	0.33	mg/Kg	8270C
Benzoic acid		0.051	J	0.33	mg/Kg	8270C
Arsenic		4.3		1.0	mg/Kg	6010B
Barium		110		1.0	mg/Kg	6010B
Chromium		49		1.0	mg/Kg	6010B
Lead		290		1.0	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13063-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13063-12	**A1-SB07-15**					
Acetone		42	J	50	ug/Kg	8260B
Carbon disulfide		3.2	J	5.0	ug/Kg	8260B
Methylene Chloride		2.1	J	9.9	ug/Kg	8260B
Phenol		0.034	J	0.067	mg/Kg	8270C
Fluoranthene		0.012	J	0.067	mg/Kg	8270C
Pyrene		0.034	J	0.067	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.012	J	0.33	mg/Kg	8270C
Chrysene		0.0093	J	0.067	mg/Kg	8270C
Benzo[b]fluoranthene		0.015	J	0.067	mg/Kg	8270C
Benzo[a]pyrene		0.019	J	0.067	mg/Kg	8270C
Benzo[k]fluoranthene		0.010	J	0.067	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.013	J	0.067	mg/Kg	8270C
Benzo[g,h,i]perylene		0.029	J	0.067	mg/Kg	8270C
Diesel Range Organics [C10-C28]		5.8		1.0	mg/Kg	8015B
Arsenic		4.8		0.99	mg/Kg	6010B
Barium		91		0.99	mg/Kg	6010B
Chromium		51		0.99	mg/Kg	6010B
Lead		14		0.99	mg/Kg	6010B
Mercury		0.18		0.049	mg/Kg	7471A
720-13063-13	**A1-SB27-15**					
Acetone		44	J	50	ug/Kg	8260B
Carbon disulfide		5.2		5.0	ug/Kg	8260B
Methylene Chloride		3.4	J	9.9	ug/Kg	8260B
1,2,3-Trichloropropane		92		5.0	ug/Kg	8260B
Fluoranthene		0.012	J	0.067	mg/Kg	8270C
Chrysene		0.0053	J	0.067	mg/Kg	8270C
Benzo[b]fluoranthene		0.0066	J	0.067	mg/Kg	8270C
Benzo[a]pyrene		0.0046	J	0.067	mg/Kg	8270C
Arsenic		4.1		1.0	mg/Kg	6010B
Barium		110		1.0	mg/Kg	6010B
Chromium		49		1.0	mg/Kg	6010B
Lead		9.2		1.0	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13063-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13063-14	**A1-SB07-W**					
Methyl tert-butyl ether		0.22	J	5.0	ug/L	8260B
Acetone		7.6	J B	50	ug/L	8260B
Bromomethane		0.022	J B	1.0	ug/L	8260B
2-Butanone (MEK)		1.8	J	50	ug/L	8260B
Carbon disulfide		0.12	J	5.0	ug/L	8260B
Ethylbenzene		0.37	J	0.50	ug/L	8260B
Naphthalene		0.20	J	1.0	ug/L	8260B
Styrene		0.059	J	0.50	ug/L	8260B
Tetrachloroethene		0.13	J B	0.50	ug/L	8260B
Toluene		0.40	J	0.50	ug/L	8260B
1,2,3-Trichlorobenzene		0.20	J	1.0	ug/L	8260B
1,2,4-Trimethylbenzene		0.061	J	0.50	ug/L	8260B
Xylenes, Total		1.7		1.0	ug/L	8260B
Pyrene		1.5	J	2.5	ug/L	8270C
Chrysene		0.30	J	2.5	ug/L	8270C
Benzo[b]fluoranthene		0.56	J	2.5	ug/L	8270C
Benzo[a]pyrene		0.66	J	2.5	ug/L	8270C
Benzo[g,h,i]perylene		1.1	J	2.5	ug/L	8270C
Benzoic acid		2.2	J	13	ug/L	8270C
Diesel Range Organics [C10-C28]		130		50	ug/L	8015B
Barium		0.98		0.0050	mg/L	6010B
Chromium		0.020		0.0050	mg/L	6010B
HEM (Oil & Grease)		2.7		2.0	mg/L	1664A
720-13063-15TB	**A1-TB01**					
Carbon disulfide		0.57	J	5.0	ug/L	8260B
Chloroform		0.13	J	1.0	ug/L	8260B
Methylene Chloride		0.094	J B	5.0	ug/L	8260B
Tetrachloroethene		0.10	J B	0.50	ug/L	8260B
1,2,4-Trichlorobenzene		0.19	J	1.0	ug/L	8260B

METHOD SUMMARY

Client: ERRG Job Number: 720-13063-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge and Trap for Solids	TAL SF		SW846 5030B
Purge and Trap for Methanol Extractions	TAL SF		SW846 5030B
Purge and Trap for Solids	TAL SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Ultrasonic Extraction	TAL SF		SW846 3550B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL SF	SW846 8082	
Ultrasonic Extraction	TAL SF		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	TAL SF		SW846 7471A
n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples	TAL SF	SW846 9071B	
n-Hexane Extractable Material (HEM) for Sludge,	TAL SF		SW846 9071B
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL SF	SW846 8082	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL SF		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7470A	
Mercury in Liquid Waste (Manual Cold Vapor	TAL SF		SW846 7470A
HEM and SGT-HEM by Extraction and Gravimetry	TAL SF	1664A 1664A	
HEM and SGT-HEM by Extraction and	TAL SF		1664A 1664A

METHOD SUMMARY

Client: ERRG Job Number: 720-13063-1

Description	Lab Location	Method	Preparation Method

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

1664A = EPA-821-98-002

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-13063-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-13063-1	A1-SB06-10	Solid	02/15/2008 0750	02/15/2008 1455
720-13063-2	A1-SB06-15	Solid	02/15/2008 0800	02/15/2008 1455
720-13063-3	A1-SB06-20	Solid	02/15/2008 0810	02/15/2008 1455
720-13063-4	A1-SB06-W	Water	02/15/2008 0835	02/15/2008 1455
720-13063-5	A1-SB03a-10	Solid	02/15/2008 0845	02/15/2008 1455
720-13063-6	A1-SB03a-15	Solid	02/15/2008 0850	02/15/2008 1455
720-13063-7	A1-SB03a-20	Solid	02/15/2008 0855	02/15/2008 1455
720-13063-8	A1-SB03a-25	Solid	02/15/2008 0900	02/15/2008 1455
720-13063-9	A1-SB03a-30	Solid	02/15/2008 0905	02/15/2008 1455
720-13063-10	A1-SB03a-35	Solid	02/15/2008 0910	02/15/2008 1455
720-13063-11	A1-SB07-10	Solid	02/15/2008 1030	02/15/2008 1455
720-13063-12	A1-SB07-15	Solid	02/15/2008 1040	02/15/2008 1455
720-13063-13	A1-SB27-15	Solid	02/15/2008 1200	02/15/2008 1455
720-13063-14	A1-SB07-W	Water	02/15/2008 1100	02/15/2008 1455
720-13063-15TB	A1-TB01	Water	02/15/2008 0700	02/15/2008 1455

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-10**

Lab Sample ID: 720-13063-1
Client Matrix: Solid

Date Sampled: 02/15/2008 0750
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 1932
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.38 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	90	70 - 130
1,2-Dichloroethane-d4 (Surr)	85	60 - 140

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-10**

Lab Sample ID: 720-13063-1
Client Matrix: Solid

Date Sampled: 02/15/2008 0750
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1429
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975

Instrument ID: Agilent 75MSD
Lab File ID: 021808007.D
Initial Weight/Volume: 5.07 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	4.9
Acetone		ND		14	49
Benzene		ND		0.75	4.9
Dichlorobromomethane		ND		0.69	4.9
Bromobenzene		ND		0.90	4.9
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.49	4.9
sec-Butylbenzene		ND		0.56	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		ND		0.72	4.9
Carbon tetrachloride		ND		0.84	4.9
Chlorobenzene		ND		0.67	4.9
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.96	4.9
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	4.9
4-Chlorotoluene		ND		0.41	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.83	4.9
1,3-Dichlorobenzene		ND		0.36	4.9
1,4-Dichlorobenzene		ND		0.87	4.9
1,3-Dichloropropane		ND		0.99	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.1	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	4.9
1,2-Dichloroethane		ND		0.90	4.9
1,1-Dichloroethene		ND		0.72	4.9
cis-1,2-Dichloroethene		ND		0.95	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.66	4.9
trans-1,3-Dichloropropene		ND		0.82	4.9
Ethylbenzene		ND		0.50	4.9
Hexachlorobutadiene		ND		0.94	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.41	4.9
4-Isopropyltoluene		ND		0.58	4.9
Methylene Chloride		2.4	J	1.3	9.9

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB06-10**

Lab Sample ID: 720-13063-1 | Date Sampled: 02/15/2008 0750
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-31992	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-31975	Lab File ID: 021808007.D
Dilution:	1.0		Initial Weight/Volume: 5.07 g
Date Analyzed:	02/18/2008 1429		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 1300		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		ND		0.70	9.9
N-Propylbenzene		ND		0.56	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.99	4.9
Toluene		ND		0.93	4.9
1,2,3-Trichlorobenzene		ND		0.76	4.9
1,2,4-Trichlorobenzene		ND		0.42	4.9
1,1,1-Trichloroethane		ND		1.0	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.89	4.9
Trichlorofluoromethane		ND		0.77	4.9
1,2,3-Trichloropropane		ND		0.95	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	4.9
1,2,4-Trimethylbenzene		ND		0.64	4.9
1,3,5-Trimethylbenzene		ND		0.58	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.75	4.9
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	118	50 - 138
1,2-Dichloroethane-d4 (Surr)	113	66 - 127
Toluene-d8 (Surr)	108	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-15**

Lab Sample ID: 720-13063-2
Client Matrix: Solid

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 1958
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.41 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	89	70 - 130
1,2-Dichloroethane-d4 (Surr)	89	60 - 140

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-15

Lab Sample ID: 720-13063-2 Date Sampled: 02/15/2008 0800
Client Matrix: Solid Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31992 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-31975 Lab File ID: 021808010.D
Dilution: 1.0 Initial Weight/Volume: 5.03 g
Date Analyzed: 02/18/2008 1544 Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		ND		14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		0.78	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		1.2	J	0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		2.0	J	1.3	9.9

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-15**

Lab Sample ID: 720-13063-2
Client Matrix: Solid

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1544
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975

Instrument ID: Agilent 75MSD
Lab File ID: 021808010.D
Initial Weight/Volume: 5.03 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		ND		0.71	9.9
N-Propylbenzene		ND		0.56	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	50 - 138
1,2-Dichloroethane-d4 (Surr)	104	66 - 127
Toluene-d8 (Surr)	100	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-20**

Lab Sample ID: 720-13063-3
Client Matrix: Solid

Date Sampled: 02/15/2008 0810
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2023
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		1.2

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	70 - 130
1,2-Dichloroethane-d4 (Surr)	93	60 - 140

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB06-20**

Lab Sample ID: 720-13063-3 | Date Sampled: 02/15/2008 0810
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32178 | Instrument ID: Varian 3900G
Preparation: 5030B-Medium | Prep Batch: 720-32120 | Lab File ID: c:\saturnws\data\200802\02
Dilution: 200 | Initial Weight/Volume: 5 g
Date Analyzed: 02/21/2008 1247 | Final Weight/Volume: 10 mL
Date Prepared: 02/21/2008 0900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		93	1000
Acetone		4700	J B	790	10000
Benzene		ND		43	1000
Dichlorobromomethane		ND		34	1000
Bromobenzene		ND		93	1000
Chlorobromomethane		ND		140	4000
Bromoform		ND		87	1000
Bromomethane		ND		81	2000
2-Butanone (MEK)		ND		800	10000
n-Butylbenzene		ND		330	1000
sec-Butylbenzene		ND		470	1000
tert-Butylbenzene		ND		110	1000
Carbon disulfide		ND		220	1000
Carbon tetrachloride		ND		64	1000
Chlorobenzene		ND		120	1000
Chloroethane		ND		110	2000
Chloroform		ND		63	1000
Chloromethane		ND		100	2000
2-Chlorotoluene		ND		140	1000
4-Chlorotoluene		ND		170	1000
Chlorodibromomethane		ND		61	1000
1,2-Dichlorobenzene		ND		100	1000
1,3-Dichlorobenzene		ND		190	1000
1,4-Dichlorobenzene		ND		220	1000
1,3-Dichloropropane		ND		75	1000
1,1-Dichloropropene		ND		150	1000
1,2-Dibromo-3-Chloropropane		ND		270	10000
Ethylene Dibromide		ND		62	1000
Dibromomethane		ND		87	2000
Dichlorodifluoromethane		ND		170	2000
1,1-Dichloroethane		ND		46	1000
1,2-Dichloroethane		ND		49	1000
1,1-Dichloroethene		ND		110	1000
cis-1,2-Dichloroethene		ND		51	1000
trans-1,2-Dichloroethene		ND		89	1000
1,2-Dichloropropane		ND		46	1000
cis-1,3-Dichloropropene		ND		54	1000
trans-1,3-Dichloropropene		ND		63	1000
Ethylbenzene		ND		85	1000
Hexachlorobutadiene		ND		340	1000
2-Hexanone		ND		210	10000
Isopropylbenzene		ND		120	1000
4-Isopropyltoluene		ND		220	1000
Methylene Chloride		ND		140	2000

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB06-20**

Lab Sample ID: 720-13063-3 | Date Sampled: 02/15/2008 0810
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32178 | Instrument ID: Varian 3900G
Preparation: 5030B-Medium | Prep Batch: 720-32120 | Lab File ID: c:\saturnws\data\200802\02
Dilution: 200 | Initial Weight/Volume: 5 g
Date Analyzed: 02/21/2008 1247 | Final Weight/Volume: 10 mL
Date Prepared: 02/21/2008 0900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		2100	10000
Naphthalene		5100		100	2000
N-Propylbenzene		ND		220	1000
Styrene		ND		79	1000
1,1,1,2-Tetrachloroethane		ND		77	1000
1,1,2,2-Tetrachloroethane		ND		53	1000
Tetrachloroethene		ND		250	1000
Toluene		ND		79	1000
1,2,3-Trichlorobenzene		ND		230	1000
1,2,4-Trichlorobenzene		ND		250	1000
1,1,1-Trichloroethane		ND		35	1000
1,1,2-Trichloroethane		ND		120	1000
Trichloroethene		ND		110	1000
Trichlorofluoromethane		ND		140	1000
1,2,3-Trichloropropane		ND		63	1000
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		280	1000
1,2,4-Trimethylbenzene		ND		180	1000
1,3,5-Trimethylbenzene		ND		170	1000
Vinyl acetate		ND		1100	10000
Vinyl chloride		ND		88	1000
Xylenes, Total		ND		310	2000
2,2-Dichloropropane		ND		110	1000

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	66 - 148
1,2-Dichloroethane-d4 (Surr)	85	62 - 137
Toluene-d8 (Surr)	90	65 - 141

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-W

Lab Sample ID: 720-13063-4 Date Sampled: 02/15/2008 0835
Client Matrix: Water Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-32083 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/20/2008 1119 Final Weight/Volume: 40 mL
Date Prepared: 02/20/2008 1119

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.66	J	0.067	5.0
Acetone	ND		7.4	50
Benzene	0.83	B	0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.022	J B	0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	0.34	J B	0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	0.24	J	0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.68		0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	0.077	J	0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	ND		0.048	5.0

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-W**

Lab Sample ID: 720-13063-4
Client Matrix: Water

Date Sampled: 02/15/2008 0835
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/20/2008 1119
Date Prepared: 02/20/2008 1119

Analysis Batch: 720-32083

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	16		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	0.21	J B	0.059	0.50
Toluene	0.61		0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.32	J	0.033	0.50
1,3,5-Trimethylbenzene	0.064	J	0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	0.047	J	0.040	0.50
Xylenes, Total	1.6		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	71 - 139
1,2-Dichloroethane-d4 (Surr)	94	62 - 118
Toluene-d8 (Surr)	103	73 - 117

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB06-W

Lab Sample ID: 720-13063-4
Client Matrix: Water

Date Sampled: 02/15/2008 0835
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1609
Date Prepared: 02/18/2008 1609

Analysis Batch: 720-31985

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	73 - 130
Toluene-d8 (Surr)	97	77 - 121

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-10**

Lab Sample ID: 720-13063-5
Client Matrix: Solid

Date Sampled: 02/15/2008 0845
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2047
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.27 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	88	60 - 140

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-10**

Lab Sample ID: 720-13063-5 | Date Sampled: 02/15/2008 0845
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31992 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31975 | Lab File ID: 021808021.D
Dilution: 1.0 | Initial Weight/Volume: 5.02 g
Date Analyzed: 02/18/2008 2022 | Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		39	J	14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.70	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	10
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		1.4	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	10
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	10
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.2	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	10
Dichlorodifluoromethane		ND		0.87	10
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.51	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		ND		1.3	10

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-10

Lab Sample ID: 720-13063-5 Date Sampled: 02/15/2008 0845
Client Matrix: Solid Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31992 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-31975 Lab File ID: 021808021.D
Dilution: 1.0 Initial Weight/Volume: 5.02 g
Date Analyzed: 02/18/2008 2022 Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		5.8	J	0.71	10
N-Propylbenzene		ND		0.57	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.6	10
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	50 - 138
1,2-Dichloroethane-d4 (Surr)	106	66 - 127
Toluene-d8 (Surr)	100	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-15**

Lab Sample ID: 720-13063-6
Client Matrix: Solid

Date Sampled: 02/15/2008 0850
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2111
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.15 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	88	70 - 130
1,2-Dichloroethane-d4 (Surr)	85	60 - 140

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-15**

Lab Sample ID: 720-13063-6
Client Matrix: Solid

Date Sampled: 02/15/2008 0850
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1700
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975

Instrument ID: Agilent 75MSD
Lab File ID: 021808013.D
Initial Weight/Volume: 5.02 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		ND		14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.70	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	10
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		ND		0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	10
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	10
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.2	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	10
Dichlorodifluoromethane		ND		0.87	10
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.51	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		1.8	J	1.3	10

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-15**

Lab Sample ID: 720-13063-6 | Date Sampled: 02/15/2008 0850
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31992 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31975 | Lab File ID: 021808013.D
Dilution: 1.0 | Initial Weight/Volume: 5.02 g
Date Analyzed: 02/18/2008 1700 | Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		9.9	J	0.71	10
N-Propylbenzene		ND		0.57	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.6	10
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	99	50 - 138
1,2-Dichloroethane-d4 (Surr)	105	66 - 127
Toluene-d8 (Surr)	99	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-20**

Lab Sample ID: 720-13063-7
Client Matrix: Solid

Date Sampled: 02/15/2008 0855
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2135
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.55 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	85	70 - 130
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-20

Lab Sample ID: 720-13063-7 Date Sampled: 02/15/2008 0855
Client Matrix: Solid Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31992 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-31975 Lab File ID: 021808014.D
Dilution: 1.0 Initial Weight/Volume: 5.17 g
Date Analyzed: 02/18/2008 1725 Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.8
Acetone		ND		13	48
Benzene		ND		0.73	4.8
Dichlorobromomethane		ND		0.68	4.8
Bromobenzene		ND		0.89	4.8
Chlorobromomethane		ND		2.6	19
Bromoform		ND		3.8	4.8
Bromomethane		ND		1.9	9.7
2-Butanone (MEK)		ND		28	48
n-Butylbenzene		ND		0.48	4.8
sec-Butylbenzene		ND		0.55	4.8
tert-Butylbenzene		ND		0.30	4.8
Carbon disulfide		ND		0.71	4.8
Carbon tetrachloride		ND		0.83	4.8
Chlorobenzene		ND		0.65	4.8
Chloroethane		ND		1.0	9.7
Chloroform		ND		0.94	4.8
Chloromethane		ND		0.83	9.7
2-Chlorotoluene		ND		0.74	4.8
4-Chlorotoluene		ND		0.40	4.8
Chlorodibromomethane		ND		1.1	4.8
1,2-Dichlorobenzene		ND		0.81	4.8
1,3-Dichlorobenzene		ND		0.35	4.8
1,4-Dichlorobenzene		ND		0.86	4.8
1,3-Dichloropropane		ND		0.97	4.8
1,1-Dichloropropene		ND		1.1	4.8
1,2-Dibromo-3-Chloropropane		ND		6.0	48
Ethylene Dibromide		ND		1.4	4.8
Dibromomethane		ND		1.5	9.7
Dichlorodifluoromethane		ND		0.84	9.7
1,1-Dichloroethane		ND		2.4	4.8
1,2-Dichloroethane		ND		0.88	4.8
1,1-Dichloroethene		ND		0.71	4.8
cis-1,2-Dichloroethene		ND		0.93	4.8
trans-1,2-Dichloroethene		ND		1.8	4.8
1,2-Dichloropropane		ND		1.1	4.8
cis-1,3-Dichloropropene		ND		0.64	4.8
trans-1,3-Dichloropropene		ND		0.80	4.8
Ethylbenzene		ND		0.49	4.8
Hexachlorobutadiene		ND		0.93	4.8
2-Hexanone		ND		2.0	48
Isopropylbenzene		ND		0.40	4.8
4-Isopropyltoluene		ND		0.57	4.8
Methylene Chloride		1.6	J	1.3	9.7

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-20**

Lab Sample ID: 720-13063-7 | Date Sampled: 02/15/2008 0855
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31992 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31975 | Lab File ID: 021808014.D
Dilution: 1.0 | Initial Weight/Volume: 5.17 g
Date Analyzed: 02/18/2008 1725 | Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	48
Naphthalene		5.8	J	0.69	9.7
N-Propylbenzene		ND		0.55	4.8
Styrene		ND		0.49	4.8
1,1,1,2-Tetrachloroethane		ND		0.48	4.8
1,1,2,2-Tetrachloroethane		ND		1.5	4.8
Tetrachloroethene		ND		0.97	4.8
Toluene		ND		0.91	4.8
1,2,3-Trichlorobenzene		ND		0.74	4.8
1,2,4-Trichlorobenzene		ND		0.41	4.8
1,1,1-Trichloroethane		ND		0.98	4.8
1,1,2-Trichloroethane		ND		1.3	4.8
Trichloroethene		ND		0.87	4.8
Trichlorofluoromethane		ND		0.75	4.8
1,2,3-Trichloropropane		ND		0.93	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.8
1,2,4-Trimethylbenzene		ND		0.62	4.8
1,3,5-Trimethylbenzene		ND		0.57	4.8
Vinyl acetate		ND		1.7	48
Vinyl chloride		ND		0.73	4.8
Xylenes, Total		ND		1.5	9.7
2,2-Dichloropropane		ND		1.5	4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101	50 - 138
1,2-Dichloroethane-d4 (Surr)	103	66 - 127
Toluene-d8 (Surr)	97	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-25**

Lab Sample ID: 720-13063-8
Client Matrix: Solid

Date Sampled: 02/15/2008 0900
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 1222
Date Prepared: 02/21/2008 0827

Analysis Batch: 720-32150
Prep Batch: 720-32190

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5.15 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
1,2-Dichloroethane-d4 (Surr)	94	60 - 140

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-25

Lab Sample ID: 720-13063-8 Date Sampled: 02/15/2008 0900
Client Matrix: Solid Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31992 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-31975 Lab File ID: 021808015.D
Dilution: 1.0 Initial Weight/Volume: 5.12 g
Date Analyzed: 02/18/2008 1750 Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.9
Acetone		28	J	14	49
Benzene		ND		0.74	4.9
Dichlorobromomethane		ND		0.68	4.9
Bromobenzene		ND		0.90	4.9
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.8
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.48	4.9
sec-Butylbenzene		ND		0.56	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		7.5		0.71	4.9
Carbon tetrachloride		ND		0.83	4.9
Chlorobenzene		ND		0.66	4.9
Chloroethane		ND		1.0	9.8
Chloroform		ND		0.95	4.9
Chloromethane		ND		0.84	9.8
2-Chlorotoluene		ND		0.75	4.9
4-Chlorotoluene		ND		0.40	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.82	4.9
1,3-Dichlorobenzene		ND		0.35	4.9
1,4-Dichlorobenzene		ND		0.87	4.9
1,3-Dichloropropane		ND		0.98	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.0	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.8
Dichlorodifluoromethane		ND		0.85	9.8
1,1-Dichloroethane		ND		2.4	4.9
1,2-Dichloroethane		ND		0.89	4.9
1,1-Dichloroethene		ND		0.72	4.9
cis-1,2-Dichloroethene		ND		0.94	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.65	4.9
trans-1,3-Dichloropropene		ND		0.81	4.9
Ethylbenzene		ND		0.50	4.9
Hexachlorobutadiene		ND		0.94	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.40	4.9
4-Isopropyltoluene		ND		0.57	4.9
Methylene Chloride		ND		1.3	9.8

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-25**

Lab Sample ID: 720-13063-8
Client Matrix: Solid

Date Sampled: 02/15/2008 0900
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1750
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975

Instrument ID: Agilent 75MSD
Lab File ID: 021808015.D
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		5.3	J	0.70	9.8
N-Propylbenzene		ND		0.55	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.98	4.9
Toluene		ND		0.92	4.9
1,2,3-Trichlorobenzene		ND		0.75	4.9
1,2,4-Trichlorobenzene		ND		0.41	4.9
1,1,1-Trichloroethane		ND		0.99	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.88	4.9
Trichlorofluoromethane		ND		0.76	4.9
1,2,3-Trichloropropane		ND		0.94	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.9
1,2,4-Trimethylbenzene		ND		0.63	4.9
1,3,5-Trimethylbenzene		ND		0.58	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.74	4.9
Xylenes, Total		ND		1.5	9.8
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	75	50 - 138
1,2-Dichloroethane-d4 (Surr)	94	66 - 127
Toluene-d8 (Surr)	82	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-30**

Lab Sample ID: 720-13063-9
Client Matrix: Solid

Date Sampled: 02/15/2008 0905
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2223
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.38 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	89	70 - 130
1,2-Dichloroethane-d4 (Surr)	88	60 - 140

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-30**

Lab Sample ID: 720-13063-9 | Date Sampled: 02/15/2008 0905
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32058 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-32043 | Lab File ID: 021908019.D
Dilution: 1.0 | Initial Weight/Volume: 5.11 g
Date Analyzed: 02/19/2008 1901 | Final Weight/Volume: 10 mL
Date Prepared: 02/19/2008 1730

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.9
Acetone		63		14	49
Benzene		ND		0.74	4.9
Dichlorobromomethane		ND		0.68	4.9
Bromobenzene		ND		0.90	4.9
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.8
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.48	4.9
sec-Butylbenzene		ND		0.56	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		9.0		0.72	4.9
Carbon tetrachloride		ND		0.84	4.9
Chlorobenzene		ND		0.66	4.9
Chloroethane		ND		1.0	9.8
Chloroform		ND		0.95	4.9
Chloromethane		ND		0.84	9.8
2-Chlorotoluene		ND		0.75	4.9
4-Chlorotoluene		ND		0.40	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.82	4.9
1,3-Dichlorobenzene		ND		0.36	4.9
1,4-Dichlorobenzene		ND		0.87	4.9
1,3-Dichloropropane		ND		0.98	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.1	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.8
Dichlorodifluoromethane		ND		0.85	9.8
1,1-Dichloroethane		ND		2.4	4.9
1,2-Dichloroethane		ND		0.90	4.9
1,1-Dichloroethene		ND		0.72	4.9
cis-1,2-Dichloroethene		ND		0.95	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.65	4.9
trans-1,3-Dichloropropene		ND		0.81	4.9
Ethylbenzene		ND		0.50	4.9
Hexachlorobutadiene		ND		0.94	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.40	4.9
4-Isopropyltoluene		ND		0.57	4.9
Methylene Chloride		4.8	J	1.3	9.8

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-30**

Lab Sample ID: 720-13063-9 | Date Sampled: 02/15/2008 0905
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32058 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-32043 | Lab File ID: 021908019.D
Dilution: 1.0 | Initial Weight/Volume: 5.11 g
Date Analyzed: 02/19/2008 1901 | Final Weight/Volume: 10 mL
Date Prepared: 02/19/2008 1730

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		5.3	J B	0.70	9.8
N-Propylbenzene		ND		0.56	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.98	4.9
Toluene		ND		0.92	4.9
1,2,3-Trichlorobenzene		ND		0.75	4.9
1,2,4-Trichlorobenzene		ND		0.41	4.9
1,1,1-Trichloroethane		ND		1.0	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.88	4.9
Trichlorofluoromethane		ND		0.76	4.9
1,2,3-Trichloropropane		ND		0.94	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.9
1,2,4-Trimethylbenzene		ND		0.63	4.9
1,3,5-Trimethylbenzene		ND		0.58	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.74	4.9
Xylenes, Total		ND		1.5	9.8
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	50 - 138
1,2-Dichloroethane-d4 (Surr)	99	66 - 127
Toluene-d8 (Surr)	94	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-35**

Lab Sample ID: 720-13063-10
Client Matrix: Solid

Date Sampled: 02/15/2008 0910
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2246
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.20 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		1.3		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	95	60 - 140

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-35**

Lab Sample ID: 720-13063-10 | Date Sampled: 02/15/2008 0910
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31992 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31975 | Lab File ID: 021808017.D
Dilution: 1.0 | Initial Weight/Volume: 5.03 g
Date Analyzed: 02/18/2008 1841 | Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		ND		14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		0.75	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		2.2	J	1.3	9.9

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-35**

Lab Sample ID: 720-13063-10
Client Matrix: Solid

Date Sampled: 02/15/2008 0910
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1841
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975

Instrument ID: Agilent 75MSD
Lab File ID: 021808017.D
Initial Weight/Volume: 5.03 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		5.9	J	0.71	9.9
N-Propylbenzene		ND		0.56	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	98	50 - 138
1,2-Dichloroethane-d4 (Surr)	111	66 - 127
Toluene-d8 (Surr)	105	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-10**

Lab Sample ID: 720-13063-11
Client Matrix: Solid

Date Sampled: 02/15/2008 1030
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2310
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.17 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	92	60 - 140

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB07-10**

Lab Sample ID: 720-13063-11 | Date Sampled: 02/15/2008 1030
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31992 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31975 | Lab File ID: 021808018.D
Dilution: 1.0 | Initial Weight/Volume: 5.13 g
Date Analyzed: 02/18/2008 1906 | Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.9
Acetone		22	J	13	49
Benzene		ND		0.74	4.9
Dichlorobromomethane		ND		0.68	4.9
Bromobenzene		ND		0.89	4.9
Chlorobromomethane		ND		2.6	19
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.7
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.48	4.9
sec-Butylbenzene		ND		0.55	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		1.3	J	0.71	4.9
Carbon tetrachloride		ND		0.83	4.9
Chlorobenzene		ND		0.66	4.9
Chloroethane		ND		1.0	9.7
Chloroform		ND		0.95	4.9
Chloromethane		ND		0.84	9.7
2-Chlorotoluene		ND		0.75	4.9
4-Chlorotoluene		ND		0.40	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.82	4.9
1,3-Dichlorobenzene		ND		0.35	4.9
1,4-Dichlorobenzene		ND		0.86	4.9
1,3-Dichloropropane		ND		0.98	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.0	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.7
Dichlorodifluoromethane		ND		0.85	9.7
1,1-Dichloroethane		ND		2.4	4.9
1,2-Dichloroethane		ND		0.89	4.9
1,1-Dichloroethene		ND		0.71	4.9
cis-1,2-Dichloroethene		ND		0.94	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.65	4.9
trans-1,3-Dichloropropene		ND		0.81	4.9
Ethylbenzene		ND		0.50	4.9
Hexachlorobutadiene		ND		0.93	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.40	4.9
4-Isopropyltoluene		ND		0.57	4.9
Methylene Chloride		1.8	J	1.3	9.7

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB07-10**

Lab Sample ID: 720-13063-11 | Date Sampled: 02/15/2008 1030
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31992 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31975 | Lab File ID: 021808018.D
Dilution: 1.0 | Initial Weight/Volume: 5.13 g
Date Analyzed: 02/18/2008 1906 | Final Weight/Volume: 10 mL
Date Prepared: 02/18/2008 1300

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		5.1	J	0.70	9.7
N-Propylbenzene		ND		0.55	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.98	4.9
Toluene		ND		0.92	4.9
1,2,3-Trichlorobenzene		ND		0.75	4.9
1,2,4-Trichlorobenzene		ND		0.41	4.9
1,1,1-Trichloroethane		ND		0.99	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.88	4.9
Trichlorofluoromethane		ND		0.76	4.9
1,2,3-Trichloropropane		ND		0.94	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.9
1,2,4-Trimethylbenzene		ND		0.63	4.9
1,3,5-Trimethylbenzene		ND		0.58	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.74	4.9
Xylenes, Total		ND		1.5	9.7
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	50 - 138
1,2-Dichloroethane-d4 (Surr)	100	66 - 127
Toluene-d8 (Surr)	90	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-15**

Lab Sample ID: 720-13063-12
Client Matrix: Solid

Date Sampled: 02/15/2008 1040
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2334
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.09 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	94	60 - 140

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB07-15

Lab Sample ID: 720-13063-12 Date Sampled: 02/15/2008 1040
Client Matrix: Solid Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-32058 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-32043 Lab File ID: 021908022.D
Dilution: 1.0 Initial Weight/Volume: 5.04 g
Date Analyzed: 02/19/2008 2017 Final Weight/Volume: 10 mL
Date Prepared: 02/19/2008 1730

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		42	J	14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.56	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		3.2	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		0.99	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.1	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		2.1	J	1.3	9.9

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB07-15**

Lab Sample ID: 720-13063-12 | Date Sampled: 02/15/2008 1040
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32058 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-32043 | Lab File ID: 021908022.D
Dilution: 1.0 | Initial Weight/Volume: 5.04 g
Date Analyzed: 02/19/2008 2017 | Final Weight/Volume: 10 mL
Date Prepared: 02/19/2008 1730

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	50
Naphthalene		ND		0.71	9.9
N-Propylbenzene		ND		0.56	5.0
Styrene		ND		0.50	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.5	5.0
Tetrachloroethene		ND		0.99	5.0
Toluene		ND		0.93	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.7	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	50 - 138
1,2-Dichloroethane-d4 (Surr)	100	66 - 127
Toluene-d8 (Surr)	95	51 - 129

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB27-15**

Lab Sample ID: 720-13063-13
Client Matrix: Solid

Date Sampled: 02/15/2008 1200
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2357
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.33 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB27-15**

Lab Sample ID: 720-13063-13 | Date Sampled: 02/15/2008 1200
Client Matrix: Solid | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32058 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-32043 | Lab File ID: 021908023.D
Dilution: 1.0 | Initial Weight/Volume: 5.05 g
Date Analyzed: 02/19/2008 2042 | Final Weight/Volume: 10 mL
Date Prepared: 02/19/2008 1730

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		44	J	14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.56	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		5.2		0.72	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		0.99	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.1	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.82	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		3.4	J	1.3	9.9

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB27-15**

Lab Sample ID: 720-13063-13
Client Matrix: Solid

Date Sampled: 02/15/2008 1200
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 2042
Date Prepared: 02/19/2008 1730

Analysis Batch: 720-32058
Prep Batch: 720-32043

Instrument ID: Agilent 75MSD
Lab File ID: 021908023.D
Initial Weight/Volume: 5.05 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	50
Naphthalene		ND		0.71	9.9
N-Propylbenzene		ND		0.56	5.0
Styrene		ND		0.50	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.5	5.0
Tetrachloroethene		ND		0.99	5.0
Toluene		ND		0.93	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		92		0.95	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.58	5.0
Vinyl acetate		ND		1.7	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101	50 - 138
1,2-Dichloroethane-d4 (Surr)	104	66 - 127
Toluene-d8 (Surr)	95	51 - 129

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB07-W**

Lab Sample ID: 720-13063-14 | Date Sampled: 02/15/2008 1100
Client Matrix: Water | Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32083 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/20/2008 1621 | Final Weight/Volume: 40 mL
Date Prepared: 02/20/2008 1621

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.22	J	0.067	5.0
Acetone	7.6	J B	7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.022	J B	0.019	1.0
2-Butanone (MEK)	1.8	J	0.55	50
n-Butylbenzene	ND		0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	0.12	J	0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.37	J	0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	ND		0.048	5.0

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-W**

Lab Sample ID: 720-13063-14
Client Matrix: Water

Date Sampled: 02/15/2008 1100
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/20/2008 1621
Date Prepared: 02/20/2008 1621

Analysis Batch: 720-32083

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	0.20	J	0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	0.059	J	0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	0.13	J B	0.059	0.50
Toluene	0.40	J	0.049	0.50
1,2,3-Trichlorobenzene	0.20	J	0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.061	J	0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	1.7		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	71 - 139
1,2-Dichloroethane-d4 (Surr)	102	62 - 118
Toluene-d8 (Surr)	102	73 - 117

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB07-W

Lab Sample ID: 720-13063-14
Client Matrix: Water

Date Sampled: 02/15/2008 1100
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 1407
Date Prepared: 02/19/2008 1407

Analysis Batch: 720-32072

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	73 - 130
Toluene-d8 (Surr)	98	77 - 121

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-TB01

Lab Sample ID: 720-13063-15TB
Client Matrix: Water

Date Sampled: 02/15/2008 0700
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/20/2008 1548
Date Prepared: 02/20/2008 1548

Analysis Batch: 720-32083

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	ND		7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	ND		0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	ND		0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	0.57	J	0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	0.13	J	0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	ND		0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	0.094	J B	0.048	5.0

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-TB01

Lab Sample ID: 720-13063-15TB
Client Matrix: Water

Date Sampled: 02/15/2008 0700
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/20/2008 1548
Date Prepared: 02/20/2008 1548

Analysis Batch: 720-32083

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	ND		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	0.10	J B	0.059	0.50
Toluene	ND		0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	0.19	J	0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	ND		0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	110	71 - 139
1,2-Dichloroethane-d4 (Surr)	98	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-TB01**

Lab Sample ID: 720-13063-15TB
Client Matrix: Water

Date Sampled: 02/15/2008 0700
Date Received: 02/15/2008 1455

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 1433
Date Prepared: 02/19/2008 1433

Analysis Batch: 720-32072

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	73 - 130
Toluene-d8 (Surr)	86	77 - 121

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-10

Lab Sample ID: 720-13063-1 Date Sampled: 02/15/2008 0750
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.17 g
Date Analyzed: 02/21/2008 1631 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-10

Lab Sample ID: 720-13063-1 Date Sampled: 02/15/2008 0750
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.17 g
Date Analyzed: 02/21/2008 1631 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.0099	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	53	23 - 120
2-Fluorobiphenyl	53	30 - 115
Terphenyl-d14	56	18 - 137
2-Fluorophenol	53	25 - 121
Phenol-d5	50	24 - 113
2,4,6-Tribromophenol	58	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-15

Lab Sample ID: 720-13063-2 Date Sampled: 02/15/2008 0800
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 30.22 g
Date Analyzed: 02/20/2008 2326 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		0.020	J	0.0079	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0083	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0075	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0068	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0070	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0084	0.17
2,4,6-Trichlorophenol		ND		0.0082	0.067
2,4,5-Trichlorophenol		ND		0.0080	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0078	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0068	0.067
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB06-15**

Lab Sample ID: 720-13063-2 | Date Sampled: 02/15/2008 0800
Client Matrix: Solid | Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022008\720-
Dilution:	1.0		Initial Weight/Volume: 30.22 g
Date Analyzed:	02/20/2008 2326		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0076	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.030	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.035	J	0.0099	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0074	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	50	23 - 120
2-Fluorobiphenyl	52	30 - 115
Terphenyl-d14	62	18 - 137
2-Fluorophenol	49	25 - 121
Phenol-d5	47	24 - 113
2,4,6-Tribromophenol	62	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-20

Lab Sample ID: 720-13063-3 Date Sampled: 02/15/2008 0810
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 30.03 g
Date Analyzed: 02/20/2008 2144 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		0.019	J	0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		0.44		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		0.038	J	0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		0.014	J	0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-20

Lab Sample ID: 720-13063-3 Date Sampled: 02/15/2008 0810
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 30.03 g
Date Analyzed: 02/20/2008 2144 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.033	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	60	23 - 120
2-Fluorobiphenyl	56	30 - 115
Terphenyl-d14	65	18 - 137
2-Fluorophenol	61	25 - 121
Phenol-d5	57	24 - 113
2,4,6-Tribromophenol	66	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB06-W

Lab Sample ID: 720-13063-4 Date Sampled: 02/15/2008 0835
Client Matrix: Water Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1928 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	ND		0.19	2.1
Bis(2-chloroethyl)ether	ND		0.29	2.1
2-Chlorophenol	ND		0.31	2.1
1,3-Dichlorobenzene	ND		0.41	2.1
1,4-Dichlorobenzene	ND		0.30	2.1
Benzyl alcohol	ND		0.44	5.2
1,2-Dichlorobenzene	ND		0.59	2.1
2-Methylphenol	ND		0.40	2.1
4-Methylphenol	ND		0.47	2.1
N-Nitrosodi-n-propylamine	ND		0.49	2.1
Hexachloroethane	ND		0.42	2.1
Nitrobenzene	ND		0.51	2.1
Isophorone	ND		0.45	2.1
2-Nitrophenol	ND		0.36	2.1
2,4-Dimethylphenol	ND		0.33	2.1
Bis(2-chloroethoxy)methane	ND		0.39	5.2
2,4-Dichlorophenol	ND		0.51	5.2
1,2,4-Trichlorobenzene	ND		0.27	2.1
Naphthalene	11		0.38	2.1
4-Chloroaniline	ND		0.12	2.1
Hexachlorobutadiene	ND		0.57	2.1
4-Chloro-3-methylphenol	ND		0.29	5.2
2-Methylnaphthalene	ND		0.31	2.1
Hexachlorocyclopentadiene	ND		0.32	5.2
2,4,6-Trichlorophenol	ND		0.33	2.1
2,4,5-Trichlorophenol	ND		0.35	2.1
2-Chloronaphthalene	ND		0.49	2.1
2-Nitroaniline	ND		0.30	10
Dimethyl phthalate	ND		0.28	5.2
Acenaphthylene	ND		0.30	2.1
3-Nitroaniline	ND		0.49	5.2
Acenaphthene	ND		0.33	2.1
2,4-Dinitrophenol	ND		0.19	10
4-Nitrophenol	ND		0.14	10
Dibenzofuran	ND		0.15	2.1
2,4-Dinitrotoluene	ND		0.18	2.1
2,6-Dinitrotoluene	ND		0.46	5.2
Diethyl phthalate	ND		0.24	5.2
4-Chlorophenyl phenyl ether	ND		0.39	5.2
Fluorene	ND		0.22	2.1
4-Nitroaniline	ND		0.28	10
2-Methyl-4,6-dinitrophenol	ND		0.34	10
N-Nitrosodiphenylamine	ND		0.25	2.1
4-Bromophenyl phenyl ether	ND		0.24	5.2

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-W**

Lab Sample ID: 720-13063-4
Client Matrix: Water

Date Sampled: 02/15/2008 0835
Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/20/2008 1928
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\720-
Initial Weight/Volume: 970 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.38	2.1
Pentachlorophenol	ND		0.42	10
Phenanthrene	ND		0.30	2.1
Anthracene	ND		0.27	2.1
Di-n-butyl phthalate	ND		0.39	5.2
Fluoranthene	ND		0.20	2.1
Pyrene	ND		0.16	2.1
Butyl benzyl phthalate	ND		0.24	5.2
3,3'-Dichlorobenzidine	ND		0.47	5.2
Benzo[a]anthracene	ND		0.72	5.2
Bis(2-ethylhexyl) phthalate	ND		5.3	10
Chrysene	ND		0.20	2.1
Di-n-octyl phthalate	ND		2.0	21
Benzo[b]fluoranthene	ND		0.34	2.1
Benzo[a]pyrene	ND		0.22	2.1
Benzo[k]fluoranthene	ND		0.42	2.1
Indeno[1,2,3-cd]pyrene	ND		0.41	2.1
Benzo[g,h,i]perylene	ND		0.48	2.1
Benzoic acid	ND		0.59	10
Azobenzene	ND		0.36	2.1
Dibenz(a,h)anthracene	ND		0.52	2.1

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	29	6 - 98
2-Fluorobiphenyl	43	6 - 103
Terphenyl-d14	50	36 - 106
2-Fluorophenol	22	1 - 66
Phenol-d5	14	1 - 47
2,4,6-Tribromophenol	59	22 - 124

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-10

Lab Sample ID: 720-13063-5 Date Sampled: 02/15/2008 0845
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 30.03 g
Date Analyzed: 02/20/2008 2218 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-10**

Lab Sample ID: 720-13063-5 | Date Sampled: 02/15/2008 0845
Client Matrix: Solid | Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022008\720-
Dilution:	1.0		Initial Weight/Volume: 30.03 g
Date Analyzed:	02/20/2008 2218		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.014	J	0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.033	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	47	23 - 120
2-Fluorobiphenyl	46	30 - 115
Terphenyl-d14	60	18 - 137
2-Fluorophenol	49	25 - 121
Phenol-d5	45	24 - 113
2,4,6-Tribromophenol	53	19 - 122

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-15**

Lab Sample ID: 720-13063-6 | Date Sampled: 02/15/2008 0850
Client Matrix: Solid | Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32156 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-32006 | Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 | Initial Weight/Volume: 30.21 g
Date Analyzed: 02/21/2008 1813 | Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0079	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0083	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0075	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0084	0.17
2,4,6-Trichlorophenol		ND		0.0082	0.067
2,4,5-Trichlorophenol		ND		0.0080	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0078	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-15

Lab Sample ID: 720-13063-6 Date Sampled: 02/15/2008 0850
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.21 g
Date Analyzed: 02/21/2008 1813 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0076	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.030	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.0099	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0074	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	56	23 - 120
2-Fluorobiphenyl	56	30 - 115
Terphenyl-d14	62	18 - 137
2-Fluorophenol	58	25 - 121
Phenol-d5	54	24 - 113
2,4,6-Tribromophenol	64	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-20

Lab Sample ID: 720-13063-7 Date Sampled: 02/15/2008 0855
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.05 g
Date Analyzed: 02/21/2008 1847 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-20

Lab Sample ID: 720-13063-7 Date Sampled: 02/15/2008 0855
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.05 g
Date Analyzed: 02/21/2008 1847 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		0.012	J	0.0058	0.067
Anthracene		0.0047	J	0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		0.037	J	0.0037	0.067
Pyrene		0.030	J	0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.010	0.33
Chrysene		0.016	J	0.0042	0.067
Di-n-octyl phthalate		ND		0.033	1.0
Benzo[b]fluoranthene		0.025	J	0.0043	0.067
Benzo[a]pyrene		0.018	J	0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		0.012	J	0.0062	0.067
Benzo[g,h,i]perylene		0.021	J	0.0049	0.067
Benzoic acid		0.052	J	0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	48	23 - 120
2-Fluorobiphenyl	55	30 - 115
Terphenyl-d14	53	18 - 137
2-Fluorophenol	51	25 - 121
Phenol-d5	49	24 - 113
2,4,6-Tribromophenol	58	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-25

Lab Sample ID: 720-13063-8 Date Sampled: 02/15/2008 0900
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.05 g
Date Analyzed: 02/21/2008 1921 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		0.061	J	0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-25

Lab Sample ID: 720-13063-8 Date Sampled: 02/15/2008 0900
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.05 g
Date Analyzed: 02/21/2008 1921 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.010	J	0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.033	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		0.053	J	0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	57	23 - 120
2-Fluorobiphenyl	52	30 - 115
Terphenyl-d14	61	18 - 137
2-Fluorophenol	57	25 - 121
Phenol-d5	54	24 - 113
2,4,6-Tribromophenol	62	19 - 122

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-30**

Lab Sample ID: 720-13063-9 | Date Sampled: 02/15/2008 0905
Client Matrix: Solid | Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32156 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-32006 | Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 | Initial Weight/Volume: 30.10 g
Date Analyzed: 02/21/2008 1955 | Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-30

Lab Sample ID: 720-13063-9 Date Sampled: 02/15/2008 0905
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.10 g
Date Analyzed: 02/21/2008 1955 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.024	J	0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	1.0
Benzo[b]fluoranthene		0.0053	J	0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	51	23 - 120
2-Fluorobiphenyl	56	30 - 115
Terphenyl-d14	56	18 - 137
2-Fluorophenol	58	25 - 121
Phenol-d5	55	24 - 113
2,4,6-Tribromophenol	61	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-35

Lab Sample ID: 720-13063-10 Date Sampled: 02/15/2008 0910
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.01 g
Date Analyzed: 02/21/2008 2029 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB03a-35

Lab Sample ID: 720-13063-10 Date Sampled: 02/15/2008 0910
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.01 g
Date Analyzed: 02/21/2008 2029 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.028	J	0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.033	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	39	23 - 120
2-Fluorobiphenyl	47	30 - 115
Terphenyl-d14	65	18 - 137
2-Fluorophenol	45	25 - 121
Phenol-d5	44	24 - 113
2,4,6-Tribromophenol	58	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB07-10

Lab Sample ID: 720-13063-11 Date Sampled: 02/15/2008 1030
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.10 g
Date Analyzed: 02/21/2008 2103 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG | Job Number: 720-13063-1

Client Sample ID: **A1-SB07-10**

Lab Sample ID: 720-13063-11 | Date Sampled: 02/15/2008 1030
Client Matrix: Solid | Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32156	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022108\720-
Dilution:	1.0		Initial Weight/Volume: 30.10 g
Date Analyzed:	02/21/2008 2103		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.011	J	0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		0.051	J	0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	57	23 - 120
2-Fluorobiphenyl	59	30 - 115
Terphenyl-d14	59	18 - 137
2-Fluorophenol	62	25 - 121
Phenol-d5	57	24 - 113
2,4,6-Tribromophenol	64	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB07-15

Lab Sample ID: 720-13063-12 Date Sampled: 02/15/2008 1040
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.10 g
Date Analyzed: 02/21/2008 2137 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		0.034	J	0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB07-15

Lab Sample ID: 720-13063-12 Date Sampled: 02/15/2008 1040
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.10 g
Date Analyzed: 02/21/2008 2137 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		0.012	J	0.0037	0.067
Pyrene		0.034	J	0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.012	J	0.010	0.33
Chrysene		0.0093	J	0.0042	0.067
Di-n-octyl phthalate		ND		0.032	1.0
Benzo[b]fluoranthene		0.015	J	0.0043	0.067
Benzo[a]pyrene		0.019	J	0.0032	0.067
Benzo[k]fluoranthene		0.010	J	0.0075	0.067
Indeno[1,2,3-cd]pyrene		0.013	J	0.0062	0.067
Benzo[g,h,i]perylene		0.029	J	0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	59	23 - 120
2-Fluorobiphenyl	59	30 - 115
Terphenyl-d14	62	18 - 137
2-Fluorophenol	60	25 - 121
Phenol-d5	56	24 - 113
2,4,6-Tribromophenol	63	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB27-15

Lab Sample ID: 720-13063-13
Client Matrix: Solid

Date Sampled: 02/15/2008 1200
Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 2211
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\720-
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0083	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0084	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND		0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB27-15

Lab Sample ID: 720-13063-13 Date Sampled: 02/15/2008 1200
Client Matrix: Solid Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-32006 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 30.18 g
Date Analyzed: 02/21/2008 2211 Final Weight/Volume: 1 mL
Date Prepared: 02/19/2008 1255 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		0.012	J	0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.0099	0.33
Chrysene		0.0053	J	0.0042	0.067
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		0.0066	J	0.0043	0.067
Benzo[a]pyrene		0.0046	J	0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	54	23 - 120
2-Fluorobiphenyl	64	30 - 115
Terphenyl-d14	61	18 - 137
2-Fluorophenol	56	25 - 121
Phenol-d5	53	24 - 113
2,4,6-Tribromophenol	72	19 - 122

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB07-W

Lab Sample ID: 720-13063-14 Date Sampled: 02/15/2008 1100
Client Matrix: Water Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 800 mL
Date Analyzed: 02/20/2008 2110 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	ND		0.23	2.5
Bis(2-chloroethyl)ether	ND		0.35	2.5
2-Chlorophenol	ND		0.38	2.5
1,3-Dichlorobenzene	ND		0.49	2.5
1,4-Dichlorobenzene	ND		0.36	2.5
Benzyl alcohol	ND		0.53	6.3
1,2-Dichlorobenzene	ND		0.72	2.5
2-Methylphenol	ND		0.48	2.5
4-Methylphenol	ND		0.58	2.5
N-Nitrosodi-n-propylamine	ND		0.59	2.5
Hexachloroethane	ND		0.50	2.5
Nitrobenzene	ND		0.62	2.5
Isophorone	ND		0.54	2.5
2-Nitrophenol	ND		0.44	2.5
2,4-Dimethylphenol	ND		0.40	2.5
Bis(2-chloroethoxy)methane	ND		0.47	6.3
2,4-Dichlorophenol	ND		0.61	6.3
1,2,4-Trichlorobenzene	ND		0.33	2.5
Naphthalene	ND		0.46	2.5
4-Chloroaniline	ND		0.15	2.5
Hexachlorobutadiene	ND		0.69	2.5
4-Chloro-3-methylphenol	ND		0.35	6.3
2-Methylnaphthalene	ND		0.37	2.5
Hexachlorocyclopentadiene	ND		0.39	6.3
2,4,6-Trichlorophenol	ND		0.41	2.5
2,4,5-Trichlorophenol	ND		0.43	2.5
2-Chloronaphthalene	ND		0.59	2.5
2-Nitroaniline	ND		0.37	13
Dimethyl phthalate	ND		0.34	6.3
Acenaphthylene	ND		0.36	2.5
3-Nitroaniline	ND		0.60	6.3
Acenaphthene	ND		0.41	2.5
2,4-Dinitrophenol	ND		0.23	13
4-Nitrophenol	ND		0.17	13
Dibenzofuran	ND		0.18	2.5
2,4-Dinitrotoluene	ND		0.22	2.5
2,6-Dinitrotoluene	ND		0.56	6.3
Diethyl phthalate	ND		0.29	6.3
4-Chlorophenyl phenyl ether	ND		0.47	6.3
Fluorene	ND		0.27	2.5
4-Nitroaniline	ND		0.35	13
2-Methyl-4,6-dinitrophenol	ND		0.41	13
N-Nitrosodiphenylamine	ND		0.30	2.5
4-Bromophenyl phenyl ether	ND		0.29	6.3

Client: ERRG Job Number: 720-13063-1

Client Sample ID: A1-SB07-W

Lab Sample ID: 720-13063-14 Date Sampled: 02/15/2008 1100
Client Matrix: Water Date Received: 02/15/2008 1455

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 800 mL
Date Analyzed: 02/20/2008 2110 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.46	2.5
Pentachlorophenol	ND		0.51	13
Phenanthrene	ND		0.37	2.5
Anthracene	ND		0.33	2.5
Di-n-butyl phthalate	ND		0.47	6.3
Fluoranthene	ND		0.25	2.5
Pyrene	1.5	J	0.20	2.5
Butyl benzyl phthalate	ND		0.29	6.3
3,3'-Dichlorobenzidine	ND		0.57	6.3
Benzo[a]anthracene	ND		0.88	6.3
Bis(2-ethylhexyl) phthalate	ND		6.4	13
Chrysene	0.30	J	0.24	2.5
Di-n-octyl phthalate	ND		2.4	25
Benzo[b]fluoranthene	0.56	J	0.42	2.5
Benzo[a]pyrene	0.66	J	0.27	2.5
Benzo[k]fluoranthene	ND		0.50	2.5
Indeno[1,2,3-cd]pyrene	ND		0.50	2.5
Benzo[g,h,i]perylene	1.1	J	0.58	2.5
Benzoic acid	2.2	J	0.71	13
Azobenzene	ND		0.43	2.5
Dibenz(a,h)anthracene	ND		0.64	2.5

Surrogate	%Rec		Acceptance Limits
Nitrobenzene-d5	13		6 - 98
2-Fluorobiphenyl	11		6 - 103
Terphenyl-d14	10	X	36 - 106
2-Fluorophenol	4		1 - 66
Phenol-d5	3		1 - 47
2,4,6-Tribromophenol	6	X	22 - 124

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-10**

Lab Sample ID: 720-13063-1
Client Matrix: Solid

Date Sampled: 02/15/2008 0750
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1033
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	84	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-15**

Lab Sample ID: 720-13063-2
Client Matrix: Solid

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1059
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	83	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-20**

Lab Sample ID: 720-13063-3
Client Matrix: Solid

Date Sampled: 02/15/2008 0810
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1125
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.1		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	77	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-W**

Lab Sample ID: 720-13063-4
Client Matrix: Water

Date Sampled: 02/15/2008 0835
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/20/2008 1810
Date Prepared: 02/19/2008 1649

Analysis Batch: 720-32194
Prep Batch: 720-32040

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	470		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	78	50 - 150

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-10**

Lab Sample ID: 720-13063-5
Client Matrix: Solid

Date Sampled: 02/15/2008 0845
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1151
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.2		0.99

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	90	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-15**

Lab Sample ID: 720-13063-6
Client Matrix: Solid

Date Sampled: 02/15/2008 0850
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 1124
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32188
Prep Batch: 720-32018

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	88	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-20**

Lab Sample ID: 720-13063-7
Client Matrix: Solid

Date Sampled: 02/15/2008 0855
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 1151
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32188
Prep Batch: 720-32018

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.1		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	85	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-25**

Lab Sample ID: 720-13063-8
Client Matrix: Solid

Date Sampled: 02/15/2008 0900
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 1218
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32188
Prep Batch: 720-32018

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.2		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	88	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-30**

Lab Sample ID: 720-13063-9
Client Matrix: Solid

Date Sampled: 02/15/2008 0905
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1007
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	84	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-35**

Lab Sample ID: 720-13063-10
Client Matrix: Solid

Date Sampled: 02/15/2008 0910
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 0942
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		7.0		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	93	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-10**

Lab Sample ID: 720-13063-11
Client Matrix: Solid

Date Sampled: 02/15/2008 1030
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 1246
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32188
Prep Batch: 720-32018

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	87	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-15**

Lab Sample ID: 720-13063-12
Client Matrix: Solid

Date Sampled: 02/15/2008 1040
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 1313
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32188
Prep Batch: 720-32018

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.8		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	82	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB27-15**

Lab Sample ID: 720-13063-13
Client Matrix: Solid

Date Sampled: 02/15/2008 1200
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/21/2008 1340
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32188
Prep Batch: 720-32018

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	81	40 - 119

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-W**

Lab Sample ID: 720-13063-14
Client Matrix: Water

Date Sampled: 02/15/2008 1100
Date Received: 02/15/2008 1455

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/20/2008 1931
Date Prepared: 02/19/2008 1649

Analysis Batch: 720-32194
Prep Batch: 720-32040

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	130		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	82	50 - 150

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-10**

Lab Sample ID: 720-13063-1
Client Matrix: Solid

Date Sampled: 02/15/2008 0750
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1130
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	88	46 - 111
DCB Decachlorobiphenyl	86	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-15**

Lab Sample ID: 720-13063-2
Client Matrix: Solid

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1150
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	86	46 - 111
DCB Decachlorobiphenyl	82	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-20**

Lab Sample ID: 720-13063-3
Client Matrix: Solid

Date Sampled: 02/15/2008 0810
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1247
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	46 - 111
DCB Decachlorobiphenyl	76	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB06-W**

Lab Sample ID: 720-13063-4
Client Matrix: Water

Date Sampled: 02/15/2008 0835
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1747
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 960 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.054	0.52
PCB-1221	ND		0.054	0.52
PCB-1232	ND		0.054	0.52
PCB-1242	ND		0.054	0.52
PCB-1248	ND		0.054	0.52
PCB-1254	ND		0.054	0.52
PCB-1260	ND		0.054	0.52

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	65	47 - 114
DCB Decachlorobiphenyl	46	17 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-10**

Lab Sample ID: 720-13063-5
Client Matrix: Solid

Date Sampled: 02/15/2008 0845
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1306
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	83	46 - 111
DCB Decachlorobiphenyl	85	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-15**

Lab Sample ID: 720-13063-6
Client Matrix: Solid

Date Sampled: 02/15/2008 0850
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1325
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	86	46 - 111
DCB Decachlorobiphenyl	86	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-20**

Lab Sample ID: 720-13063-7
Client Matrix: Solid

Date Sampled: 02/15/2008 0855
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1344
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	79	46 - 111
DCB Decachlorobiphenyl	74	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-25**

Lab Sample ID: 720-13063-8
Client Matrix: Solid

Date Sampled: 02/15/2008 0900
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1403
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.25 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	80	46 - 111
DCB Decachlorobiphenyl	72	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-30**

Lab Sample ID: 720-13063-9
Client Matrix: Solid

Date Sampled: 02/15/2008 0905
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1422
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	75	46 - 111
DCB Decachlorobiphenyl	65	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB03a-35**

Lab Sample ID: 720-13063-10
Client Matrix: Solid

Date Sampled: 02/15/2008 0910
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1441
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	88	46 - 111
DCB Decachlorobiphenyl	88	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-10**

Lab Sample ID: 720-13063-11
Client Matrix: Solid

Date Sampled: 02/15/2008 1030
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1500
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	86	46 - 111
DCB Decachlorobiphenyl	81	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-15**

Lab Sample ID: 720-13063-12
Client Matrix: Solid

Date Sampled: 02/15/2008 1040
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1519
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	83	46 - 111
DCB Decachlorobiphenyl	77	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB27-15**

Lab Sample ID: 720-13063-13
Client Matrix: Solid

Date Sampled: 02/15/2008 1200
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1538
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	46 - 111
DCB Decachlorobiphenyl	76	34 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: **A1-SB07-W**

Lab Sample ID: 720-13063-14
Client Matrix: Water

Date Sampled: 02/15/2008 1100
Date Received: 02/15/2008 1455

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1844
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 800 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.065	0.63
PCB-1221	ND		0.065	0.63
PCB-1232	ND		0.065	0.63
PCB-1242	ND		0.065	0.63
PCB-1248	ND		0.065	0.63
PCB-1254	ND		0.065	0.63
PCB-1260	ND		0.065	0.63

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	76	47 - 114
DCB Decachlorobiphenyl	36	17 - 106

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB06-10

Lab Sample ID: 720-13063-1
Client Matrix: Solid

Date Sampled: 02/15/2008 0750
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0821
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		1.3		0.96
Barium		59		0.96
Cadmium		ND		0.48
Chromium		34		0.96
Lead		2.5		0.96
Selenium		ND		1.9
Silver		ND		0.96

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1104
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.078		0.050

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB06-15

Lab Sample ID: 720-13063-2
Client Matrix: Solid

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0824
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		1.5		1.0
Barium		54		1.0
Cadmium		ND		0.52
Chromium		35		1.0
Lead		2.6		1.0
Selenium		ND		2.1
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1106
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.052

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB06-20

Lab Sample ID: 720-13063-3
Client Matrix: Solid

Date Sampled: 02/15/2008 0810
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0828
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		2.8		0.96
Barium		47		0.96
Cadmium		ND		0.48
Chromium		37		0.96
Lead		4.6		0.96
Selenium		ND		1.9
Silver		ND		0.96

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1107
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.057		0.048

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB06-W

Lab Sample ID: 720-13063-4
Client Matrix: Water

Date Sampled: 02/15/2008 0835
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1343
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	0.0077		0.0050
Barium	0.81		0.0050
Cadmium	ND		0.0020
Chromium	0.054		0.0050
Lead	0.029		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/19/2008 1220
Date Prepared: 02/19/2008 0853

Analysis Batch: 720-32008
Prep Batch: 720-31990

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB03a-10

Lab Sample ID: 720-13063-5
Client Matrix: Solid

Date Sampled: 02/15/2008 0845
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0832
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		2.5		1.0
Barium		77		1.0
Cadmium		ND		0.52
Chromium		47		1.0
Lead		2.7		1.0
Selenium		ND		2.1
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1108
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.049

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB03a-15

Lab Sample ID: 720-13063-6
Client Matrix: Solid

Date Sampled: 02/15/2008 0850
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0836
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.98 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		4.9		1.0
Barium		73		1.0
Cadmium		ND		0.51
Chromium		44		1.0
Lead		3.7		1.0
Selenium		ND		2.0
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1109
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB03a-20

Lab Sample ID: 720-13063-7
Client Matrix: Solid

Date Sampled: 02/15/2008 0855
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0846
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		4.5		0.99
Barium		71		0.99
Cadmium		ND		0.50
Chromium		37		0.99
Lead		6.5		0.99
Selenium		ND		2.0
Silver		ND		0.99

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1111
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.11		0.050

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB03a-25

Lab Sample ID: 720-13063-8
Client Matrix: Solid

Date Sampled: 02/15/2008 0900
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0850
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		3.5		1.0
Barium		23		1.0
Cadmium		ND		0.50
Chromium		46		1.0
Lead		4.3		1.0
Selenium		ND		2.0
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1112
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 0.99 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.051

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB03a-30

Lab Sample ID: 720-13063-9
Client Matrix: Solid

Date Sampled: 02/15/2008 0905
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0854
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		5.1		1.0
Barium		32		1.0
Cadmium		ND		0.52
Chromium		47		1.0
Lead		14		1.0
Selenium		ND		2.1
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1115
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.068		0.048

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB03a-35

Lab Sample ID: 720-13063-10
Client Matrix: Solid

Date Sampled: 02/15/2008 0910
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0857
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		1.9		0.99
Barium		50		0.99
Cadmium		ND		0.50
Chromium		18		0.99
Lead		3.4		0.99
Selenium		ND		2.0
Silver		ND		0.99

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1117
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB07-10

Lab Sample ID: 720-13063-11
Client Matrix: Solid

Date Sampled: 02/15/2008 1030
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0901
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		4.3		1.0
Barium		110		1.0
Cadmium		ND		0.50
Chromium		49		1.0
Lead		290		1.0
Selenium		ND		2.0
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1118
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB07-15

Lab Sample ID: 720-13063-12
Client Matrix: Solid

Date Sampled: 02/15/2008 1040
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0905
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		4.8		0.99
Barium		91		0.99
Cadmium		ND		0.50
Chromium		51		0.99
Lead		14		0.99
Selenium		ND		2.0
Silver		ND		0.99

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1119
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.18		0.049

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB27-15

Lab Sample ID: 720-13063-13
Client Matrix: Solid

Date Sampled: 02/15/2008 1200
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/20/2008 0909
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.98 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		4.1		1.0
Barium		110		1.0
Cadmium		ND		0.51
Chromium		49		1.0
Lead		9.2		1.0
Selenium		ND		2.0
Silver		ND		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/19/2008 1120
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13063-1

Client Sample ID: A1-SB07-W

Lab Sample ID: 720-13063-14
Client Matrix: Water

Date Sampled: 02/15/2008 1100
Date Received: 02/15/2008 1455

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1353
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	ND		0.0050
Barium	0.98		0.0050
Cadmium	ND		0.0020
Chromium	0.020		0.0050
Lead	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/21/2008 1112
Date Prepared: 02/21/2008 0759

Analysis Batch: 720-32130
Prep Batch: 720-32114

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

General Chemistry

Client Sample ID: A1-SB06-10

Lab Sample ID: 720-13063-1 Date Sampled: 02/15/2008 0750
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135		Date Analyzed 02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088		Date Prepared: 02/20/2008 1439			

Client Sample ID: A1-SB06-15

Lab Sample ID: 720-13063-2 Date Sampled: 02/15/2008 0800
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135		Date Analyzed 02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088		Date Prepared: 02/20/2008 1439			

Client Sample ID: A1-SB06-20

Lab Sample ID: 720-13063-3 Date Sampled: 02/15/2008 0810
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135		Date Analyzed 02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088		Date Prepared: 02/20/2008 1439			

Client Sample ID: A1-SB06-W

Lab Sample ID: 720-13063-4 Date Sampled: 02/15/2008 0835
Client Matrix: Water Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	ND		mg/L	0.25	2.0	1.0	1664A
	Anly Batch: 720-32012		Date Analyzed 02/19/2008 1329				
	Prep Batch: 720-31982		Date Prepared: 02/18/2008 1727				

Client Sample ID: A1-SB03a-10

Lab Sample ID: 720-13063-5 Date Sampled: 02/15/2008 0845
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135		Date Analyzed 02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088		Date Prepared: 02/20/2008 1439			

General Chemistry

Client Sample ID: A1-SB03a-15

Lab Sample ID: 720-13063-6 Date Sampled: 02/15/2008 0850
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135	Date Analyzed	02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088	Date Prepared:	02/20/2008 1439			

Client Sample ID: A1-SB03a-20

Lab Sample ID: 720-13063-7 Date Sampled: 02/15/2008 0855
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135	Date Analyzed	02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088	Date Prepared:	02/20/2008 1439			

Client Sample ID: A1-SB03a-25

Lab Sample ID: 720-13063-8 Date Sampled: 02/15/2008 0900
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135	Date Analyzed	02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088	Date Prepared:	02/20/2008 1439			

Client Sample ID: A1-SB03a-30

Lab Sample ID: 720-13063-9 Date Sampled: 02/15/2008 0905
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135	Date Analyzed	02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088	Date Prepared:	02/20/2008 1439			

Client Sample ID: A1-SB03a-35

Lab Sample ID: 720-13063-10 Date Sampled: 02/15/2008 0910
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32135	Date Analyzed	02/21/2008 1255			DryWt Corrected: N
	Prep Batch: 720-32088	Date Prepared:	02/20/2008 1439			

General Chemistry

Client Sample ID: A1-SB07-10

Lab Sample ID: 720-13063-11 Date Sampled: 02/15/2008 1030
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
Anly Batch: 720-32135	Date Analyzed 02/21/2008 1255				DryWt Corrected: N	
Prep Batch: 720-32088	Date Prepared: 02/20/2008 1439					

Client Sample ID: A1-SB07-15

Lab Sample ID: 720-13063-12 Date Sampled: 02/15/2008 1040
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
Anly Batch: 720-32135	Date Analyzed 02/21/2008 1255				DryWt Corrected: N	
Prep Batch: 720-32088	Date Prepared: 02/20/2008 1439					

Client Sample ID: A1-SB27-15

Lab Sample ID: 720-13063-13 Date Sampled: 02/15/2008 1200
Client Matrix: Solid Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
Anly Batch: 720-32135	Date Analyzed 02/21/2008 1255				DryWt Corrected: N	
Prep Batch: 720-32088	Date Prepared: 02/20/2008 1439					

Client Sample ID: A1-SB07-W

Lab Sample ID: 720-13063-14 Date Sampled: 02/15/2008 1100
Client Matrix: Water Date Received: 02/15/2008 1455

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	2.7		mg/L	0.25	2.0	1.0	1664A
Anly Batch: 720-32012	Date Analyzed 02/19/2008 1329						
Prep Batch: 720-31982	Date Prepared: 02/18/2008 1727						

DATA REPORTING QUALIFIERS

Client: ERRG Job Number: 720-13063-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	MS or MSD exceeds the control limits
	X	Surrogate exceeds the control limits
	B	Compound was found in the blank and sample.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
	F	MS or MSD exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
General Chemistry		
	F	MS or MSD exceeds the control limits

Client: ERRG

Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-31975					
LCS 720-31975/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-31975/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-31975/3-A	Method Blank	T	Solid	5030B	
720-13063-1	A1-SB06-10	T	Solid	5030B	
720-13063-1MS	Matrix Spike	T	Solid	5030B	
720-13063-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-13063-2	A1-SB06-15	T	Solid	5030B	
720-13063-5	A1-SB03a-10	T	Solid	5030B	
720-13063-6	A1-SB03a-15	T	Solid	5030B	
720-13063-7	A1-SB03a-20	T	Solid	5030B	
720-13063-8	A1-SB03a-25	T	Solid	5030B	
720-13063-10	A1-SB03a-35	T	Solid	5030B	
720-13063-11	A1-SB07-10	T	Solid	5030B	
Analysis Batch:720-31985					
LCS 720-31985/3	Lab Control Spike	T	Water	8260B	
LCSD 720-31985/2	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31985/5	Method Blank	T	Water	8260B	
720-13063-4	A1-SB06-W	T	Water	8260B	
720-13063-4MS	Matrix Spike	T	Water	8260B	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-31992					
LCS 720-31975/1-A	Lab Control Spike	T	Solid	8260B	720-31975
LCSD 720-31975/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-31975
MB 720-31975/3-A	Method Blank	T	Solid	8260B	720-31975
720-13063-1	A1-SB06-10	T	Solid	8260B	720-31975
720-13063-1MS	Matrix Spike	T	Solid	8260B	720-31975
720-13063-1MSD	Matrix Spike Duplicate	T	Solid	8260B	720-31975
720-13063-2	A1-SB06-15	T	Solid	8260B	720-31975
720-13063-5	A1-SB03a-10	T	Solid	8260B	720-31975
720-13063-6	A1-SB03a-15	T	Solid	8260B	720-31975
720-13063-7	A1-SB03a-20	T	Solid	8260B	720-31975
720-13063-8	A1-SB03a-25	T	Solid	8260B	720-31975
720-13063-10	A1-SB03a-35	T	Solid	8260B	720-31975
720-13063-11	A1-SB07-10	T	Solid	8260B	720-31975

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-32043					
LCS 720-32043/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-32043/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-32043/3-A	Method Blank	T	Solid	5030B	
720-13063-9	A1-SB03a-30	T	Solid	5030B	
720-13063-9MS	Matrix Spike	T	Solid	5030B	
720-13063-9MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-13063-12	A1-SB07-15	T	Solid	5030B	
720-13063-13	A1-SB27-15	T	Solid	5030B	
Analysis Batch:720-32058					
LCS 720-32043/1-A	Lab Control Spike	T	Solid	8260B	720-32043
LCSD 720-32043/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-32043
MB 720-32043/3-A	Method Blank	T	Solid	8260B	720-32043
720-13063-9	A1-SB03a-30	T	Solid	8260B	720-32043
720-13063-9MS	Matrix Spike	T	Solid	8260B	720-32043
720-13063-9MSD	Matrix Spike Duplicate	T	Solid	8260B	720-32043
720-13063-12	A1-SB07-15	T	Solid	8260B	720-32043
720-13063-13	A1-SB27-15	T	Solid	8260B	720-32043
Analysis Batch:720-32072					
LCS 720-32072/2	Lab Control Spike	T	Water	8260B	
LCSD 720-32072/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-32072/3	Method Blank	T	Water	8260B	
720-13006-B-2 MS	Matrix Spike	T	Water	8260B	
720-13006-C-2 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-13063-14	A1-SB07-W	T	Water	8260B	
720-13063-15TB	A1-TB01	T	Water	8260B	
Analysis Batch:720-32083					
LCS 720-32083/2	Lab Control Spike	T	Water	8260B	
LCSD 720-32083/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-32083/3	Method Blank	T	Water	8260B	
720-13063-4	A1-SB06-W	T	Water	8260B	
720-13063-4MS	Matrix Spike	T	Water	8260B	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	8260B	
720-13063-14	A1-SB07-W	T	Water	8260B	
720-13063-15TB	A1-TB01	T	Water	8260B	
Prep Batch: 720-32120					
LCS 720-32120/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-32120/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-32120/1-A	Method Blank	T	Solid	5030B	
720-13063-3	A1-SB06-20	T	Solid	5030B	

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-32147					
LCS 720-32149/2-A	Lab Control Spike	T	Solid	8260B	720-32149
LCSD 720-32149/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-32149
MB 720-32149/1-A	Method Blank	T	Solid	8260B	720-32149
720-13041-A-12-M MS	Matrix Spike	T	Solid	8260B	720-32149
720-13041-A-12-N MSD	Matrix Spike Duplicate	T	Solid	8260B	720-32149
720-13063-1	A1-SB06-10	T	Solid	8260B	720-32149
720-13063-2	A1-SB06-15	T	Solid	8260B	720-32149
720-13063-3	A1-SB06-20	T	Solid	8260B	720-32149
720-13063-5	A1-SB03a-10	T	Solid	8260B	720-32149
720-13063-6	A1-SB03a-15	T	Solid	8260B	720-32149
720-13063-7	A1-SB03a-20	T	Solid	8260B	720-32149
720-13063-9	A1-SB03a-30	T	Solid	8260B	720-32149
720-13063-10	A1-SB03a-35	T	Solid	8260B	720-32149
720-13063-11	A1-SB07-10	T	Solid	8260B	720-32149
720-13063-12	A1-SB07-15	T	Solid	8260B	720-32149
720-13063-13	A1-SB27-15	T	Solid	8260B	720-32149
Prep Batch: 720-32149					
LCS 720-32149/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-32149/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-32149/1-A	Method Blank	T	Solid	5030B	
720-13041-A-12-M MS	Matrix Spike	T	Solid	5030B	
720-13041-A-12-N MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-13063-1	A1-SB06-10	T	Solid	5030B	
720-13063-2	A1-SB06-15	T	Solid	5030B	
720-13063-3	A1-SB06-20	T	Solid	5030B	
720-13063-5	A1-SB03a-10	T	Solid	5030B	
720-13063-6	A1-SB03a-15	T	Solid	5030B	
720-13063-7	A1-SB03a-20	T	Solid	5030B	
720-13063-9	A1-SB03a-30	T	Solid	5030B	
720-13063-10	A1-SB03a-35	T	Solid	5030B	
720-13063-11	A1-SB07-10	T	Solid	5030B	
720-13063-12	A1-SB07-15	T	Solid	5030B	
720-13063-13	A1-SB27-15	T	Solid	5030B	
Analysis Batch:720-32150					
LCS 720-32190/2-A	Lab Control Spike	T	Solid	8260B	720-32190
LCSD 720-32190/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-32190
MB 720-32190/1-A	Method Blank	T	Solid	8260B	720-32190
720-13063-8	A1-SB03a-25	T	Solid	8260B	720-32190
720-13107-A-18-H MS	Matrix Spike	T	Solid	8260B	720-32190
720-13107-A-18-I MSD	Matrix Spike Duplicate	T	Solid	8260B	720-32190

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-32178					
LCS 720-32120/2-A	Lab Control Spike	T	Solid	8260B	720-32120
LCSD 720-32120/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-32120
MB 720-32120/1-A	Method Blank	T	Solid	8260B	720-32120
720-13063-3	A1-SB06-20	T	Solid	8260B	720-32120
Prep Batch: 720-32190					
LCS 720-32190/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-32190/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-32190/1-A	Method Blank	T	Solid	5030B	
720-13063-8	A1-SB03a-25	T	Solid	5030B	
720-13107-A-18-H MS	Matrix Spike	T	Solid	5030B	
720-13107-A-18-I MSD	Matrix Spike Duplicate	T	Solid	5030B	

Report Basis
T = Total

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-31970					
LCS 720-31970/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31970/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31970/1-A	Method Blank	T	Water	3510C	
720-13063-4	A1-SB06-W	T	Water	3510C	
720-13063-4MS	Matrix Spike	T	Water	3510C	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	3510C	
720-13063-14	A1-SB07-W	T	Water	3510C	
Prep Batch: 720-32006					
LCS 720-32006/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-32006/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-32006/1-A	Method Blank	T	Solid	3550B	
720-13063-1	A1-SB06-10	T	Solid	3550B	
720-13063-1MS	Matrix Spike		Solid	3550B	
720-13063-1MSD	Matrix Spike Duplicate		Solid	3550B	
720-13063-2	A1-SB06-15	T	Solid	3550B	
720-13063-3	A1-SB06-20	T	Solid	3550B	
720-13063-5	A1-SB03a-10	T	Solid	3550B	
720-13063-6	A1-SB03a-15	T	Solid	3550B	
720-13063-7	A1-SB03a-20	T	Solid	3550B	
720-13063-8	A1-SB03a-25	T	Solid	3550B	
720-13063-9	A1-SB03a-30	T	Solid	3550B	
720-13063-10	A1-SB03a-35	T	Solid	3550B	
720-13063-11	A1-SB07-10	T	Solid	3550B	
720-13063-12	A1-SB07-15	T	Solid	3550B	
720-13063-13	A1-SB27-15	T	Solid	3550B	
Analysis Batch:720-32122					
LCS 720-31970/2-A	Lab Control Spike	T	Water	8270C	720-31970
LCSD 720-31970/3-A	Lab Control Spike Duplicate	T	Water	8270C	720-31970
MB 720-31970/1-A	Method Blank	T	Water	8270C	720-31970
720-13063-2	A1-SB06-15	T	Solid	8270C	720-32006
720-13063-3	A1-SB06-20	T	Solid	8270C	720-32006
720-13063-4	A1-SB06-W	T	Water	8270C	720-31970
720-13063-4MS	Matrix Spike	T	Water	8270C	720-31970
720-13063-4MSD	Matrix Spike Duplicate	T	Water	8270C	720-31970
720-13063-5	A1-SB03a-10	T	Solid	8270C	720-32006
720-13063-14	A1-SB07-W	T	Water	8270C	720-31970

Client: ERRG

Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:720-32156					
LCS 720-32006/2-A	Lab Control Spike	T	Solid	8270C	720-32006
LCSD 720-32006/3-A	Lab Control Spike Duplicate	T	Solid	8270C	720-32006
MB 720-32006/1-A	Method Blank	T	Solid	8270C	720-32006
720-13063-1	A1-SB06-10	T	Solid	8270C	720-32006
720-13063-1MS	Matrix Spike		Solid	8270C	720-32006
720-13063-1MSD	Matrix Spike Duplicate		Solid	8270C	720-32006
720-13063-6	A1-SB03a-15	T	Solid	8270C	720-32006
720-13063-7	A1-SB03a-20	T	Solid	8270C	720-32006
720-13063-8	A1-SB03a-25	T	Solid	8270C	720-32006
720-13063-9	A1-SB03a-30	T	Solid	8270C	720-32006
720-13063-10	A1-SB03a-35	T	Solid	8270C	720-32006
720-13063-11	A1-SB07-10	T	Solid	8270C	720-32006
720-13063-12	A1-SB07-15	T	Solid	8270C	720-32006
720-13063-13	A1-SB27-15	T	Solid	8270C	720-32006

Report Basis
= Total/NA
T = Total

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-31978					
LCS 720-31978/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31978/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31978/1-A	Method Blank	T	Water	3510C	
720-13063-4	A1-SB06-W	T	Water	3510C	
720-13063-4MS	Matrix Spike	T	Water	3510C	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	3510C	
720-13063-14	A1-SB07-W	T	Water	3510C	
Prep Batch: 720-32018					
LCS 720-32018/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-32018/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-32018/1-A	Method Blank	T	Solid	3550B	
720-13063-1	A1-SB06-10	T	Solid	3550B	
720-13063-2	A1-SB06-15	T	Solid	3550B	
720-13063-3	A1-SB06-20	T	Solid	3550B	
720-13063-5	A1-SB03a-10	T	Solid	3550B	
720-13063-6	A1-SB03a-15	T	Solid	3550B	
720-13063-7	A1-SB03a-20	T	Solid	3550B	
720-13063-8	A1-SB03a-25	T	Solid	3550B	
720-13063-9	A1-SB03a-30	T	Solid	3550B	
720-13063-10	A1-SB03a-35	T	Solid	3550B	
720-13063-11	A1-SB07-10	T	Solid	3550B	
720-13063-12	A1-SB07-15	T	Solid	3550B	
720-13063-13	A1-SB27-15	T	Solid	3550B	
720-13063-13MS	Matrix Spike	T	Solid	3550B	
720-13063-13MSD	Matrix Spike Duplicate	T	Solid	3550B	
Prep Batch: 720-32037					
LCS 720-32037/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-32037/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-32037/1-A	Method Blank	T	Solid	3550B	
720-13063-1	A1-SB06-10	T	Solid	3550B	
720-13063-2	A1-SB06-15	T	Solid	3550B	
720-13063-2MS	Matrix Spike	T	Solid	3550B	
720-13063-2MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-13063-3	A1-SB06-20	T	Solid	3550B	
720-13063-5	A1-SB03a-10	T	Solid	3550B	
720-13063-6	A1-SB03a-15	T	Solid	3550B	
720-13063-7	A1-SB03a-20	T	Solid	3550B	
720-13063-8	A1-SB03a-25	T	Solid	3550B	
720-13063-9	A1-SB03a-30	T	Solid	3550B	
720-13063-10	A1-SB03a-35	T	Solid	3550B	
720-13063-11	A1-SB07-10	T	Solid	3550B	
720-13063-12	A1-SB07-15	T	Solid	3550B	
720-13063-13	A1-SB27-15	T	Solid	3550B	

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-32040					
LCS 720-32040/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-32040/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-32040/1-A	Method Blank	T	Water	3510C	
720-13063-4	A1-SB06-W	T	Water	3510C	
720-13063-4MS	Matrix Spike	T	Water	3510C	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	3510C	
720-13063-14	A1-SB07-W	T	Water	3510C	
Analysis Batch:720-32074					
LCS 720-31978/2-A	Lab Control Spike	T	Water	8082	720-31978
LCSD 720-31978/3-A	Lab Control Spike Duplicate	T	Water	8082	720-31978
MB 720-31978/1-A	Method Blank	T	Water	8082	720-31978
720-13063-4	A1-SB06-W	T	Water	8082	720-31978
720-13063-4MS	Matrix Spike	T	Water	8082	720-31978
720-13063-4MSD	Matrix Spike Duplicate	T	Water	8082	720-31978
720-13063-14	A1-SB07-W	T	Water	8082	720-31978
Analysis Batch:720-32143					
LCS 720-32037/2-A	Lab Control Spike	T	Solid	8082	720-32037
LCSD 720-32037/3-A	Lab Control Spike Duplicate	T	Solid	8082	720-32037
MB 720-32037/1-A	Method Blank	T	Solid	8082	720-32037
720-13063-1	A1-SB06-10	T	Solid	8082	720-32037
720-13063-2	A1-SB06-15	T	Solid	8082	720-32037
720-13063-2MS	Matrix Spike	T	Solid	8082	720-32037
720-13063-2MSD	Matrix Spike Duplicate	T	Solid	8082	720-32037
720-13063-3	A1-SB06-20	T	Solid	8082	720-32037
720-13063-5	A1-SB03a-10	T	Solid	8082	720-32037
720-13063-6	A1-SB03a-15	T	Solid	8082	720-32037
720-13063-7	A1-SB03a-20	T	Solid	8082	720-32037
720-13063-8	A1-SB03a-25	T	Solid	8082	720-32037
720-13063-9	A1-SB03a-30	T	Solid	8082	720-32037
720-13063-10	A1-SB03a-35	T	Solid	8082	720-32037
720-13063-11	A1-SB07-10	T	Solid	8082	720-32037
720-13063-12	A1-SB07-15	T	Solid	8082	720-32037
720-13063-13	A1-SB27-15	T	Solid	8082	720-32037

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-32186					
LCS 720-32018/2-A	Lab Control Spike	T	Solid	8015B	720-32018
LCSD 720-32018/3-A	Lab Control Spike Duplicate	T	Solid	8015B	720-32018
MB 720-32018/1-A	Method Blank	T	Solid	8015B	720-32018
720-13063-1	A1-SB06-10	T	Solid	8015B	720-32018
720-13063-2	A1-SB06-15	T	Solid	8015B	720-32018
720-13063-3	A1-SB06-20	T	Solid	8015B	720-32018
720-13063-5	A1-SB03a-10	T	Solid	8015B	720-32018
720-13063-9	A1-SB03a-30	T	Solid	8015B	720-32018
720-13063-10	A1-SB03a-35	T	Solid	8015B	720-32018
Analysis Batch:720-32188					
720-13063-6	A1-SB03a-15	T	Solid	8015B	720-32018
720-13063-7	A1-SB03a-20	T	Solid	8015B	720-32018
720-13063-8	A1-SB03a-25	T	Solid	8015B	720-32018
720-13063-11	A1-SB07-10	T	Solid	8015B	720-32018
720-13063-12	A1-SB07-15	T	Solid	8015B	720-32018
720-13063-13	A1-SB27-15	T	Solid	8015B	720-32018
720-13063-13MS	Matrix Spike	T	Solid	8015B	720-32018
720-13063-13MSD	Matrix Spike Duplicate	T	Solid	8015B	720-32018
Analysis Batch:720-32194					
LCS 720-32040/2-A	Lab Control Spike	T	Water	8015B	720-32040
LCSD 720-32040/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-32040
MB 720-32040/1-A	Method Blank	T	Water	8015B	720-32040
720-13063-4	A1-SB06-W	T	Water	8015B	720-32040
720-13063-4MS	Matrix Spike	T	Water	8015B	720-32040
720-13063-4MSD	Matrix Spike Duplicate	T	Water	8015B	720-32040
720-13063-14	A1-SB07-W	T	Water	8015B	720-32040

Report Basis
T = Total

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-31962					
LCS 720-31962/2-A	Lab Control Spike	T	Water	3010A	
LCSD 720-31962/3-A	Lab Control Spike Duplicate	T	Water	3010A	
MB 720-31962/1-A	Method Blank	T	Water	3010A	
720-13063-4	A1-SB06-W	T	Water	3010A	
720-13063-4MS	Matrix Spike	T	Water	3010A	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	3010A	
720-13063-14	A1-SB07-W	T	Water	3010A	
Prep Batch: 720-31963					
LCS 720-31963/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 720-31963/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 720-31963/1-A	Method Blank	T	Solid	7471A	
720-13063-1	A1-SB06-10	T	Solid	7471A	
720-13063-1MS	Matrix Spike	T	Solid	7471A	
720-13063-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
720-13063-2	A1-SB06-15	T	Solid	7471A	
720-13063-3	A1-SB06-20	T	Solid	7471A	
720-13063-5	A1-SB03a-10	T	Solid	7471A	
720-13063-6	A1-SB03a-15	T	Solid	7471A	
720-13063-7	A1-SB03a-20	T	Solid	7471A	
720-13063-8	A1-SB03a-25	T	Solid	7471A	
720-13063-9	A1-SB03a-30	T	Solid	7471A	
720-13063-10	A1-SB03a-35	T	Solid	7471A	
720-13063-11	A1-SB07-10	T	Solid	7471A	
720-13063-12	A1-SB07-15	T	Solid	7471A	
720-13063-13	A1-SB27-15	T	Solid	7471A	
Prep Batch: 720-31990					
LCS 720-31990/2-A	Lab Control Spike	T	Water	7470A	
LCSD 720-31990/3-A	Lab Control Spike Duplicate	T	Water	7470A	
MB 720-31990/1-A	Method Blank	T	Water	7470A	
720-12999-A-2-E MS	Matrix Spike		Water	7470A	
720-12999-A-2-F MSD	Matrix Spike Duplicate		Water	7470A	
720-13063-4	A1-SB06-W	T	Water	7470A	

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-31997					
LCS 720-31997/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-31997/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-31997/25-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-31997/1-A	Method Blank	T	Solid	3050B	
720-13063-1	A1-SB06-10	T	Solid	3050B	
720-13063-1MS	Matrix Spike	T	Solid	3050B	
720-13063-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
720-13063-2	A1-SB06-15	T	Solid	3050B	
720-13063-3	A1-SB06-20	T	Solid	3050B	
720-13063-5	A1-SB03a-10	T	Solid	3050B	
720-13063-6	A1-SB03a-15	T	Solid	3050B	
720-13063-7	A1-SB03a-20	T	Solid	3050B	
720-13063-8	A1-SB03a-25	T	Solid	3050B	
720-13063-9	A1-SB03a-30	T	Solid	3050B	
720-13063-10	A1-SB03a-35	T	Solid	3050B	
720-13063-11	A1-SB07-10	T	Solid	3050B	
720-13063-12	A1-SB07-15	T	Solid	3050B	
720-13063-13	A1-SB27-15	T	Solid	3050B	
Analysis Batch:720-32007					
LCS 720-31963/2-A	Lab Control Spike	T	Solid	7471A	720-31963
LCSD 720-31963/3-A	Lab Control Spike Duplicate	T	Solid	7471A	720-31963
MB 720-31963/1-A	Method Blank	T	Solid	7471A	720-31963
720-13063-1	A1-SB06-10	T	Solid	7471A	720-31963
720-13063-1MS	Matrix Spike	T	Solid	7471A	720-31963
720-13063-1MSD	Matrix Spike Duplicate	T	Solid	7471A	720-31963
720-13063-2	A1-SB06-15	T	Solid	7471A	720-31963
720-13063-3	A1-SB06-20	T	Solid	7471A	720-31963
720-13063-5	A1-SB03a-10	T	Solid	7471A	720-31963
720-13063-6	A1-SB03a-15	T	Solid	7471A	720-31963
720-13063-7	A1-SB03a-20	T	Solid	7471A	720-31963
720-13063-8	A1-SB03a-25	T	Solid	7471A	720-31963
720-13063-9	A1-SB03a-30	T	Solid	7471A	720-31963
720-13063-10	A1-SB03a-35	T	Solid	7471A	720-31963
720-13063-11	A1-SB07-10	T	Solid	7471A	720-31963
720-13063-12	A1-SB07-15	T	Solid	7471A	720-31963
720-13063-13	A1-SB27-15	T	Solid	7471A	720-31963
Analysis Batch:720-32008					
LCS 720-31990/2-A	Lab Control Spike	T	Water	7470A	720-31990
LCSD 720-31990/3-A	Lab Control Spike Duplicate	T	Water	7470A	720-31990
MB 720-31990/1-A	Method Blank	T	Water	7470A	720-31990
720-12999-A-2-E MS	Matrix Spike		Water	7470A	720-31990
720-12999-A-2-F MSD	Matrix Spike Duplicate		Water	7470A	720-31990
720-13063-4	A1-SB06-W	T	Water	7470A	720-31990

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:720-32031					
LCS 720-31962/2-A	Lab Control Spike	T	Water	6010B	720-31962
LCSD 720-31962/3-A	Lab Control Spike Duplicate	T	Water	6010B	720-31962
MB 720-31962/1-A	Method Blank	T	Water	6010B	720-31962
720-13063-4	A1-SB06-W	T	Water	6010B	720-31962
720-13063-4MS	Matrix Spike	T	Water	6010B	720-31962
720-13063-4MSD	Matrix Spike Duplicate	T	Water	6010B	720-31962
720-13063-14	A1-SB07-W	T	Water	6010B	720-31962
Analysis Batch:720-32062					
LCS 720-31997/2-A	Lab Control Spike	T	Solid	6010B	720-31997
LCSD 720-31997/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-31997
LCSSRM 720-31997/25-A	LCS-Standard Reference Material	T	Solid	6010B	720-31997
MB 720-31997/1-A	Method Blank	T	Solid	6010B	720-31997
720-13063-1	A1-SB06-10	T	Solid	6010B	720-31997
720-13063-1MS	Matrix Spike	T	Solid	6010B	720-31997
720-13063-1MSD	Matrix Spike Duplicate	T	Solid	6010B	720-31997
720-13063-2	A1-SB06-15	T	Solid	6010B	720-31997
720-13063-3	A1-SB06-20	T	Solid	6010B	720-31997
720-13063-5	A1-SB03a-10	T	Solid	6010B	720-31997
720-13063-6	A1-SB03a-15	T	Solid	6010B	720-31997
720-13063-7	A1-SB03a-20	T	Solid	6010B	720-31997
720-13063-8	A1-SB03a-25	T	Solid	6010B	720-31997
720-13063-9	A1-SB03a-30	T	Solid	6010B	720-31997
720-13063-10	A1-SB03a-35	T	Solid	6010B	720-31997
720-13063-11	A1-SB07-10	T	Solid	6010B	720-31997
720-13063-12	A1-SB07-15	T	Solid	6010B	720-31997
720-13063-13	A1-SB27-15	T	Solid	6010B	720-31997
Prep Batch: 720-32114					
LCS 720-32114/2-A	Lab Control Spike	T	Water	7470A	
LCSD 720-32114/3-A	Lab Control Spike Duplicate	T	Water	7470A	
MB 720-32114/1-A	Method Blank	T	Water	7470A	
720-13063-14	A1-SB07-W	T	Water	7470A	
720-13100-A-1-A MS	Matrix Spike	T	Water	7470A	
720-13100-A-1-B MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:720-32130					
LCS 720-32114/2-A	Lab Control Spike	T	Water	7470A	720-32114
LCSD 720-32114/3-A	Lab Control Spike Duplicate	T	Water	7470A	720-32114
MB 720-32114/1-A	Method Blank	T	Water	7470A	720-32114
720-13063-14	A1-SB07-W	T	Water	7470A	720-32114
720-13100-A-1-A MS	Matrix Spike	T	Water	7470A	720-32114
720-13100-A-1-B MSD	Matrix Spike Duplicate	T	Water	7470A	720-32114

Client: ERRG

Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
= Total/NA
T = Total

Client: ERRG Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 720-31982					
LCS 720-31982/2-A	Lab Control Spike	T	Water	1664A	
LCSD 720-31982/3-A	Lab Control Spike Duplicate	T	Water	1664A	
MB 720-31982/1-A	Method Blank	T	Water	1664A	
720-13063-4	A1-SB06-W	T	Water	1664A	
720-13063-4MS	Matrix Spike	T	Water	1664A	
720-13063-4MSD	Matrix Spike Duplicate	T	Water	1664A	
720-13063-14	A1-SB07-W	T	Water	1664A	
Analysis Batch:720-32012					
LCS 720-31982/2-A	Lab Control Spike	T	Water	1664A	720-31982
LCSD 720-31982/3-A	Lab Control Spike Duplicate	T	Water	1664A	720-31982
MB 720-31982/1-A	Method Blank	T	Water	1664A	720-31982
720-13063-4	A1-SB06-W	T	Water	1664A	720-31982
720-13063-4MS	Matrix Spike	T	Water	1664A	720-31982
720-13063-4MSD	Matrix Spike Duplicate	T	Water	1664A	720-31982
720-13063-14	A1-SB07-W	T	Water	1664A	720-31982
Prep Batch: 720-32088					
LCS 720-32088/2-A	Lab Control Spike	T	Solid	9071B	
LCSD 720-32088/3-A	Lab Control Spike Duplicate	T	Solid	9071B	
MB 720-32088/1-A	Method Blank	T	Solid	9071B	
720-13063-1	A1-SB06-10	T	Solid	9071B	
720-13063-2	A1-SB06-15	T	Solid	9071B	
720-13063-3	A1-SB06-20	T	Solid	9071B	
720-13063-5	A1-SB03a-10	T	Solid	9071B	
720-13063-6	A1-SB03a-15	T	Solid	9071B	
720-13063-7	A1-SB03a-20	T	Solid	9071B	
720-13063-8	A1-SB03a-25	T	Solid	9071B	
720-13063-9	A1-SB03a-30	T	Solid	9071B	
720-13063-10	A1-SB03a-35	T	Solid	9071B	
720-13063-10MS	Matrix Spike	T	Solid	9071B	
720-13063-10MSD	Matrix Spike Duplicate	T	Solid	9071B	
720-13063-11	A1-SB07-10	T	Solid	9071B	
720-13063-12	A1-SB07-15	T	Solid	9071B	
720-13063-13	A1-SB27-15	T	Solid	9071B	

Client: ERRG

Job Number: 720-13063-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-32135					
LCS 720-32088/2-A	Lab Control Spike	T	Solid	9071B	720-32088
LCSD 720-32088/3-A	Lab Control Spike Duplicate	T	Solid	9071B	720-32088
MB 720-32088/1-A	Method Blank	T	Solid	9071B	720-32088
720-13063-1	A1-SB06-10	T	Solid	9071B	720-32088
720-13063-2	A1-SB06-15	T	Solid	9071B	720-32088
720-13063-3	A1-SB06-20	T	Solid	9071B	720-32088
720-13063-5	A1-SB03a-10	T	Solid	9071B	720-32088
720-13063-6	A1-SB03a-15	T	Solid	9071B	720-32088
720-13063-7	A1-SB03a-20	T	Solid	9071B	720-32088
720-13063-8	A1-SB03a-25	T	Solid	9071B	720-32088
720-13063-9	A1-SB03a-30	T	Solid	9071B	720-32088
720-13063-10	A1-SB03a-35	T	Solid	9071B	720-32088
720-13063-10MS	Matrix Spike	T	Solid	9071B	720-32088
720-13063-10MSD	Matrix Spike Duplicate	T	Solid	9071B	720-32088
720-13063-11	A1-SB07-10	T	Solid	9071B	720-32088
720-13063-12	A1-SB07-15	T	Solid	9071B	720-32088
720-13063-13	A1-SB27-15	T	Solid	9071B	720-32088

Report Basis
T = Total

Method Blank - Batch: 720-31975

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31975/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1333
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021808006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		2.2	5.0
Acetone	ND		14	50
Benzene	ND		0.76	5.0
Dichlorobromomethane	ND		0.70	5.0
Bromobenzene	ND		0.92	5.0
Chlorobromomethane	ND		2.6	20
Bromoform	ND		4.0	5.0
Bromomethane	ND		1.9	10
2-Butanone (MEK)	ND		29	50
n-Butylbenzene	ND		0.49	5.0
sec-Butylbenzene	ND		0.57	5.0
tert-Butylbenzene	ND		0.32	5.0
Carbon disulfide	ND		0.73	5.0
Carbon tetrachloride	ND		0.85	5.0
Chlorobenzene	ND		0.68	5.0
Chloroethane	ND		1.1	10
Chloroform	ND		0.98	5.0
Chloromethane	ND		0.86	10
2-Chlorotoluene	ND		0.77	5.0
4-Chlorotoluene	ND		0.41	5.0
Chlorodibromomethane	ND		1.1	5.0
1,2-Dichlorobenzene	ND		0.84	5.0
1,3-Dichlorobenzene	ND		0.36	5.0
1,4-Dichlorobenzene	ND		0.89	5.0
1,3-Dichloropropane	ND		1.0	5.0
1,1-Dichloropropene	ND		1.2	5.0
1,2-Dibromo-3-Chloropropane	ND		6.2	50
Ethylene Dibromide	ND		1.4	5.0
Dibromomethane	ND		1.5	10
Dichlorodifluoromethane	ND		0.87	10
1,1-Dichloroethane	ND		2.5	5.0
1,2-Dichloroethane	ND		0.92	5.0
1,1-Dichloroethene	ND		0.73	5.0
cis-1,2-Dichloroethene	ND		0.97	5.0
trans-1,2-Dichloroethene	ND		1.8	5.0
1,2-Dichloropropane	ND		1.2	5.0
cis-1,3-Dichloropropene	ND		0.67	5.0
trans-1,3-Dichloropropene	ND		0.83	5.0
Ethylbenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.96	5.0
2-Hexanone	ND		2.0	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31975

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31975/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1333
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021808006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		0.41	5.0
4-Isopropyltoluene	ND		0.59	5.0
Methylene Chloride	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		18	50
Naphthalene	ND		0.71	10
N-Propylbenzene	ND		0.57	5.0
Styrene	ND		0.51	5.0
1,1,1,2-Tetrachloroethane	ND		0.50	5.0
1,1,2,2-Tetrachloroethane	ND		1.6	5.0
Tetrachloroethene	ND		1.0	5.0
Toluene	ND		0.94	5.0
1,2,3-Trichlorobenzene	ND		0.77	5.0
1,2,4-Trichlorobenzene	ND		0.42	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.3	5.0
Trichloroethene	ND		0.90	5.0
Trichlorofluoromethane	ND		0.78	5.0
1,2,3-Trichloropropane	ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	5.0
1,2,4-Trimethylbenzene	ND		0.65	5.0
1,3,5-Trimethylbenzene	ND		0.59	5.0
Vinyl acetate	ND		1.8	50
Vinyl chloride	ND		0.76	5.0
Xylenes, Total	ND		1.6	10
2,2-Dichloropropane	ND		1.5	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	50 - 138
1,2-Dichloroethane-d4 (Surr)	103	66 - 127
Toluene-d8 (Surr)	97	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31975

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31975/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1243
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021808004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-31975/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1308
Date Prepared: 02/18/2008 1300

Analysis Batch: 720-31992
Prep Batch: 720-31975
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021808005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	91	94	80 - 120	4	20		
Chlorobenzene	93	95	86 - 115	2	20		
1,1-Dichloroethene	102	102	81 - 140	0	20		
Toluene	92	98	81 - 120	6	20		
Trichloroethene	92	95	82 - 118	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	106	50 - 138
1,2-Dichloroethane-d4 (Surr)	97	95	66 - 127
Toluene-d8 (Surr)	92	96	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31975

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13063-1	Analysis Batch:	720-31992	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-31975	Lab File ID:	021808008.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Date Analyzed:	02/18/2008 1454			Final Weight/Volume:	10 mL
Date Prepared:	02/18/2008 1300				

MSD Lab Sample ID:	720-13063-1	Analysis Batch:	720-31992	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-31975	Lab File ID:	021808009.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Date Analyzed:	02/18/2008 1519			Final Weight/Volume:	10 mL
Date Prepared:	02/18/2008 1300				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	101	102	63 - 126	1	20		
Chlorobenzene	102	105	57 - 124	3	20		
1,1-Dichloroethene	118	120	66 - 149	2	20		
Toluene	104	106	54 - 131	1	20		
Trichloroethene	103	104	53 - 130	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	114	110	50 - 138
1,2-Dichloroethane-d4 (Surr)	103	98	66 - 127
Toluene-d8 (Surr)	102	97	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31985

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31985/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1414
Date Prepared: 02/18/2008 1414

Analysis Batch: 720-31985
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	95	77 - 121
1,2-Dichloroethane-d4 (Surr)	81	73 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31985

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31985/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1222
Date Prepared: 02/18/2008 1222

Analysis Batch: 720-31985
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-31985/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1249
Date Prepared: 02/18/2008 1249

Analysis Batch: 720-31985
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\021
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	88	64 - 140	2	20		
Toluene	91	88	52 - 109	3	20		
Gasoline Range Organics (GRO)-C5-C12	61	62	40 - 145	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	98	96	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	95	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31985

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-31985	Instrument ID: Saturn 3900B
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/18/2008 1636		Final Weight/Volume: 40 mL
Date Prepared:	02/18/2008 1636		

MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-31985	Instrument ID: Saturn 3900B
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/18/2008 1703		Final Weight/Volume: 40 mL
Date Prepared:	02/18/2008 1703		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	89	81	64 - 140	9	20		
Toluene	92	85	52 - 109	8	20		
Gasoline Range Organics (GRO)-C5-C12	61	53	40 - 145	14	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	99	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	118	85	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32043

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32043/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1836
Date Prepared: 02/19/2008 1730

Analysis Batch: 720-32058
Prep Batch: 720-32043
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021908018.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		2.2	5.0
Acetone	ND		14	50
Benzene	ND		0.76	5.0
Dichlorobromomethane	ND		0.70	5.0
Bromobenzene	ND		0.92	5.0
Chlorobromomethane	ND		2.6	20
Bromoform	ND		4.0	5.0
Bromomethane	ND		1.9	10
2-Butanone (MEK)	ND		29	50
n-Butylbenzene	ND		0.49	5.0
sec-Butylbenzene	ND		0.57	5.0
tert-Butylbenzene	ND		0.32	5.0
Carbon disulfide	ND		0.73	5.0
Carbon tetrachloride	ND		0.85	5.0
Chlorobenzene	ND		0.68	5.0
Chloroethane	ND		1.1	10
Chloroform	ND		0.98	5.0
Chloromethane	ND		0.86	10
2-Chlorotoluene	ND		0.77	5.0
4-Chlorotoluene	ND		0.41	5.0
Chlorodibromomethane	ND		1.1	5.0
1,2-Dichlorobenzene	ND		0.84	5.0
1,3-Dichlorobenzene	ND		0.36	5.0
1,4-Dichlorobenzene	ND		0.89	5.0
1,3-Dichloropropane	ND		1.0	5.0
1,1-Dichloropropene	ND		1.2	5.0
1,2-Dibromo-3-Chloropropane	ND		6.2	50
Ethylene Dibromide	ND		1.4	5.0
Dibromomethane	ND		1.5	10
Dichlorodifluoromethane	ND		0.87	10
1,1-Dichloroethane	ND		2.5	5.0
1,2-Dichloroethane	ND		0.92	5.0
1,1-Dichloroethene	ND		0.73	5.0
cis-1,2-Dichloroethene	ND		0.97	5.0
trans-1,2-Dichloroethene	ND		1.8	5.0
1,2-Dichloropropane	ND		1.2	5.0
cis-1,3-Dichloropropene	ND		0.67	5.0
trans-1,3-Dichloropropene	ND		0.83	5.0
Ethylbenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.96	5.0
2-Hexanone	ND		2.0	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32043

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32043/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1836
Date Prepared: 02/19/2008 1730

Analysis Batch: 720-32058
Prep Batch: 720-32043
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021908018.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		0.41	5.0
4-Isopropyltoluene	ND		0.59	5.0
Methylene Chloride	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		18	50
Naphthalene	5.5	J	0.71	10
N-Propylbenzene	ND		0.57	5.0
Styrene	ND		0.51	5.0
1,1,1,2-Tetrachloroethane	ND		0.50	5.0
1,1,2,2-Tetrachloroethane	ND		1.6	5.0
Tetrachloroethene	ND		1.0	5.0
Toluene	ND		0.94	5.0
1,2,3-Trichlorobenzene	ND		0.77	5.0
1,2,4-Trichlorobenzene	ND		0.42	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.3	5.0
Trichloroethene	ND		0.90	5.0
Trichlorofluoromethane	ND		0.78	5.0
1,2,3-Trichloropropane	ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	5.0
1,2,4-Trimethylbenzene	ND		0.65	5.0
1,3,5-Trimethylbenzene	ND		0.59	5.0
Vinyl acetate	ND		1.8	50
Vinyl chloride	ND		0.76	5.0
Xylenes, Total	ND		1.6	10
2,2-Dichloropropane	ND		1.5	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	50 - 138
1,2-Dichloroethane-d4 (Surr)	100	66 - 127
Toluene-d8 (Surr)	92	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32043

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32043/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1745
Date Prepared: 02/19/2008 1730

Analysis Batch: 720-32058
Prep Batch: 720-32043
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021908016.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-32043/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1811
Date Prepared: 02/19/2008 1730

Analysis Batch: 720-32058
Prep Batch: 720-32043
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021908017.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	92	80 - 120	2	20		
Chlorobenzene	90	92	86 - 115	2	20		
1,1-Dichloroethene	104	105	81 - 140	2	20		
Toluene	92	93	81 - 120	1	20		
Trichloroethene	89	91	82 - 118	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	108	50 - 138
1,2-Dichloroethane-d4 (Surr)	100	101	66 - 127
Toluene-d8 (Surr)	94	93	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32043

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13063-9	Analysis Batch:	720-32058	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-32043	Lab File ID:	021908020.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Date Analyzed:	02/19/2008 1927			Final Weight/Volume:	10 mL
Date Prepared:	02/19/2008 1730				

MSD Lab Sample ID:	720-13063-9	Analysis Batch:	720-32058	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-32043	Lab File ID:	021908021.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Date Analyzed:	02/19/2008 1952			Final Weight/Volume:	10 mL
Date Prepared:	02/19/2008 1730				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	92	94	63 - 126	2	20		
Chlorobenzene	84	87	57 - 124	3	20		
1,1-Dichloroethene	106	111	66 - 149	5	20		
Toluene	92	94	54 - 131	2	20		
Trichloroethene	88	90	53 - 130	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	92	50 - 138
1,2-Dichloroethane-d4 (Surr)	92	94	66 - 127
Toluene-d8 (Surr)	87	87	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32072

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32072/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1018
Date Prepared: 02/19/2008 1018

Analysis Batch: 720-32072
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	96	73 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32072

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32072/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1044
Date Prepared: 02/19/2008 1044

Analysis Batch: 720-32072
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-32072/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1110
Date Prepared: 02/19/2008 1110

Analysis Batch: 720-32072
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200802\021
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	85	79	64 - 140	7	20		
Toluene	90	87	52 - 109	4	20		
Gasoline Range Organics (GRO)-C5-C12	56	51	40 - 145	10	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	101	96	77 - 121
1,2-Dichloroethane-d4 (Surr)	92	82	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32072

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13006-B-2 MS	Analysis Batch: 720-32072	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/19/2008 1944		Final Weight/Volume: 40 mL
Date Prepared:	02/19/2008 1944		

MSD Lab Sample ID:	720-13006-C-2 MSD	Analysis Batch: 720-32072	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/19/2008 2010		Final Weight/Volume: 40 mL
Date Prepared:	02/19/2008 2010		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	78	83	64 - 140	6	20		
Toluene	81	87	52 - 109	7	20		
Gasoline Range Organics (GRO)-C5-C12	57	58	40 - 145	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	103	77 - 121
1,2-Dichloroethane-d4 (Surr)	85	88	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32083

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32083/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1046
Date Prepared: 02/20/2008 1046

Analysis Batch: 720-32083
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	16	J	7.4	50
Benzene	0.047	J	0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.022	J	0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	0.041	J	0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	ND		0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	ND		0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32083

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32083/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1046
Date Prepared: 02/20/2008 1046

Analysis Batch: 720-32083
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	0.15	J	0.048	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	ND		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	0.18	J	0.059	0.50
Toluene	ND		0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	ND		0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	110	71 - 139
1,2-Dichloroethane-d4 (Surr)	95	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32083

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32083/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 0938
Date Prepared: 02/20/2008 0938

Analysis Batch: 720-32083
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-32083/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1012
Date Prepared: 02/20/2008 1012

Analysis Batch: 720-32083
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\022
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	92	93	69 - 129	1	20		
Chlorobenzene	99	104	61 - 121	6	20		
1,1-Dichloroethene	93	93	65 - 125	0	20		
Toluene	94	95	70 - 130	1	20		
Trichloroethene	88	87	74 - 134	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	103	71 - 139
1,2-Dichloroethane-d4 (Surr)	88	92	62 - 118
Toluene-d8 (Surr)	97	100	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32083

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-32083	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/20/2008 1300		Final Weight/Volume: 40 mL
Date Prepared:	02/20/2008 1300		

MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-32083	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/20/2008 1333		Final Weight/Volume: 40 mL
Date Prepared:	02/20/2008 1333		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	92	94	69 - 129	1	20		
Chlorobenzene	104	103	61 - 121	1	20		
1,1-Dichloroethene	100	99	65 - 125	0	20		
Toluene	97	95	70 - 130	2	20		
Trichloroethene	91	91	74 - 134	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	104	71 - 139
1,2-Dichloroethane-d4 (Surr)	95	98	62 - 118
Toluene-d8 (Surr)	98	100	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32120

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32120/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 02/21/2008 1213
Date Prepared: 02/21/2008 0900

Analysis Batch: 720-32178
Prep Batch: 720-32120
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		93	1000
Acetone	4800	J	790	10000
Benzene	ND		43	1000
Dichlorobromomethane	ND		34	1000
Bromobenzene	ND		93	1000
Chlorobromomethane	ND		140	4000
Bromoform	ND		87	1000
Bromomethane	ND		81	2000
2-Butanone (MEK)	ND		800	10000
n-Butylbenzene	ND		330	1000
sec-Butylbenzene	ND		470	1000
tert-Butylbenzene	ND		110	1000
Carbon disulfide	ND		220	1000
Carbon tetrachloride	ND		64	1000
Chlorobenzene	ND		120	1000
Chloroethane	ND		110	2000
Chloroform	ND		63	1000
Chloromethane	ND		100	2000
2-Chlorotoluene	ND		140	1000
4-Chlorotoluene	ND		170	1000
Chlorodibromomethane	ND		61	1000
1,2-Dichlorobenzene	ND		100	1000
1,3-Dichlorobenzene	ND		190	1000
1,4-Dichlorobenzene	ND		220	1000
1,3-Dichloropropane	ND		75	1000
1,1-Dichloropropene	ND		150	1000
1,2-Dibromo-3-Chloropropane	ND		270	10000
Ethylene Dibromide	ND		62	1000
Dibromomethane	ND		87	2000
Dichlorodifluoromethane	ND		170	2000
1,1-Dichloroethane	ND		46	1000
1,2-Dichloroethane	ND		49	1000
1,1-Dichloroethene	ND		110	1000
cis-1,2-Dichloroethene	ND		51	1000
trans-1,2-Dichloroethene	ND		89	1000
1,2-Dichloropropane	ND		46	1000
cis-1,3-Dichloropropene	ND		54	1000
trans-1,3-Dichloropropene	ND		63	1000
Ethylbenzene	ND		85	1000
Hexachlorobutadiene	ND		340	1000
2-Hexanone	ND		210	10000

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32120

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32120/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 02/21/2008 1213
Date Prepared: 02/21/2008 0900

Analysis Batch: 720-32178
Prep Batch: 720-32120
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		120	1000
4-Isopropyltoluene	ND		220	1000
Methylene Chloride	ND		140	2000
4-Methyl-2-pentanone (MIBK)	ND		2100	10000
Naphthalene	ND		100	2000
N-Propylbenzene	ND		220	1000
Styrene	ND		79	1000
1,1,1,2-Tetrachloroethane	ND		77	1000
1,1,2,2-Tetrachloroethane	ND		53	1000
Tetrachloroethene	ND		250	1000
Toluene	ND		79	1000
1,2,3-Trichlorobenzene	ND		230	1000
1,2,4-Trichlorobenzene	ND		250	1000
1,1,1-Trichloroethane	ND		35	1000
1,1,2-Trichloroethane	ND		120	1000
Trichloroethene	ND		110	1000
Trichlorofluoromethane	ND		140	1000
1,2,3-Trichloropropane	ND		63	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		280	1000
1,2,4-Trimethylbenzene	ND		180	1000
1,3,5-Trimethylbenzene	ND		170	1000
Vinyl acetate	ND		1100	10000
Vinyl chloride	ND		88	1000
Xylenes, Total	ND		310	2000
2,2-Dichloropropane	ND		110	1000

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	66 - 148
1,2-Dichloroethane-d4 (Surr)	92	62 - 137
Toluene-d8 (Surr)	102	65 - 141

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32120

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32120/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 02/21/2008 1106
Date Prepared: 02/21/2008 0900

Analysis Batch: 720-32178
Prep Batch: 720-32120
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-32120/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 02/21/2008 1140
Date Prepared: 02/21/2008 0900

Analysis Batch: 720-32178
Prep Batch: 720-32120
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\022
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	94	95	83 - 110	1	20		
Chlorobenzene	101	103	89 - 120	2	20		
1,1-Dichloroethene	101	100	79 - 127	1	20		
Toluene	95	94	82 - 112	1	20		
Trichloroethene	90	89	76 - 109	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	101	66 - 148
1,2-Dichloroethane-d4 (Surr)	91	93	62 - 137
Toluene-d8 (Surr)	97	99	65 - 141

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32149

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32149/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1434
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	89	60 - 140

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32149

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32149/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1703
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-32149/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1728
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\021
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	88	87	70 - 123	1	20		
Toluene	91	91	81 - 128	0	20		
Gasoline Range Organics (GRO)-C5-C12	51	52	51 - 97	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	92	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	86	86	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32149

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13041-A-12-M MS	Analysis Batch: 720-32147	Instrument ID: Varian 3900E
Client Matrix:	Solid	Prep Batch: 720-32149	Lab File ID: c:\varianws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 5.22 g
Date Analyzed:	02/19/2008 1842		Final Weight/Volume: 10 mL
Date Prepared:	02/19/2008 1419		

MSD Lab Sample ID:	720-13041-A-12-N MSD	Analysis Batch: 720-32147	Instrument ID: Varian 3900E
Client Matrix:	Solid	Prep Batch: 720-32149	Lab File ID: c:\varianws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 5.81 g
Date Analyzed:	02/19/2008 1908		Final Weight/Volume: 10 mL
Date Prepared:	02/19/2008 1419		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	74	76	70 - 123	8	20		
Toluene	81	81	81 - 128	10	20		
Gasoline Range Organics (GRO)-C5-C12	50	51	51 - 97	9	20	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	82	84	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-32190

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32190/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1049
Date Prepared: 02/21/2008 0827

Analysis Batch: 720-32150
Prep Batch: 720-32190
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	103	70 - 130
1,2-Dichloroethane-d4 (Surr)	79	60 - 140

Method Blank - Batch: 720-32190

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32190/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1244
Date Prepared: 02/21/2008 0827

Analysis Batch: 720-32150
Prep Batch: 720-32190
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec		Acceptance Limits
Toluene-d8 (Surr)	1	X	70 - 130
1,2-Dichloroethane-d4 (Surr)	0	X	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32190

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32190/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1112
Date Prepared: 02/21/2008 0827

Analysis Batch: 720-32150
Prep Batch: 720-32190
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-32190/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1134
Date Prepared: 02/21/2008 0827

Analysis Batch: 720-32150
Prep Batch: 720-32190
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200802\022
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	84	90	70 - 123	7	20		
Toluene	97	98	81 - 128	1	20		
Gasoline Range Organics (GRO)-C5-C12	58	64	51 - 97	9	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	104	102	70 - 130
1,2-Dichloroethane-d4 (Surr)	102	90	60 - 140

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	98	101	70 - 130
1,2-Dichloroethane-d4 (Surr)	90	97	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32190

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13107-A-18-H MS	Analysis Batch: 720-32150	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: 720-32190	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	02/21/2008 1909		Final Weight/Volume: 10 mL
Date Prepared:	02/21/2008 0827		

MSD Lab Sample ID:	720-13107-A-18-I MSD	Analysis Batch: 720-32150	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: 720-32190	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 5.17 g
Date Analyzed:	02/21/2008 1932		Final Weight/Volume: 10 mL
Date Prepared:	02/21/2008 0827		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	81	78	70 - 123	7	20		
Toluene	89	87	81 - 128	5	20		
Gasoline Range Organics (GRO)-C5-C12	50	52	51 - 97	1	20	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	98	98	70 - 130
1,2-Dichloroethane-d4 (Surr)	95	92	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31970

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-31970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1455
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\mb
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	ND		2.0
Bis(2-chloroethyl)ether	ND		2.0
2-Chlorophenol	ND		2.0
1,3-Dichlorobenzene	ND		2.0
1,4-Dichlorobenzene	ND		2.0
Benzyl alcohol	ND		5.0
1,2-Dichlorobenzene	ND		2.0
2-Methylphenol	ND		2.0
4-Methylphenol	ND		2.0
N-Nitrosodi-n-propylamine	ND		2.0
Hexachloroethane	ND		2.0
Nitrobenzene	ND		2.0
Isophorone	ND		2.0
2-Nitrophenol	ND		2.0
2,4-Dimethylphenol	ND		2.0
Bis(2-chloroethoxy)methane	ND		5.0
2,4-Dichlorophenol	ND		5.0
1,2,4-Trichlorobenzene	ND		2.0
Naphthalene	ND		2.0
4-Chloroaniline	ND		2.0
Hexachlorobutadiene	ND		2.0
4-Chloro-3-methylphenol	ND		5.0
2-Methylnaphthalene	ND		2.0
Hexachlorocyclopentadiene	ND		5.0
2,4,6-Trichlorophenol	ND		2.0
2,4,5-Trichlorophenol	ND		2.0
2-Chloronaphthalene	ND		2.0
2-Nitroaniline	ND		10
Dimethyl phthalate	ND		5.0
Acenaphthylene	ND		2.0
3-Nitroaniline	ND		5.0
Acenaphthene	ND		2.0
2,4-Dinitrophenol	ND		10
4-Nitrophenol	ND		10
Dibenzofuran	ND		2.0
2,4-Dinitrotoluene	ND		2.0
2,6-Dinitrotoluene	ND		5.0
Diethyl phthalate	ND		5.0
4-Chlorophenyl phenyl ether	ND		5.0
Fluorene	ND		2.0
4-Nitroaniline	ND		10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31970

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-31970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1455
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\mb
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		10
N-Nitrosodiphenylamine	ND		2.0
4-Bromophenyl phenyl ether	ND		5.0
Hexachlorobenzene	ND		2.0
Pentachlorophenol	ND		10
Phenanthrene	ND		2.0
Anthracene	ND		2.0
Di-n-butyl phthalate	ND		5.0
Fluoranthene	ND		2.0
Pyrene	ND		2.0
Butyl benzyl phthalate	ND		5.0
3,3'-Dichlorobenzidine	ND		5.0
Benzo[a]anthracene	ND		5.0
Bis(2-ethylhexyl) phthalate	ND		10
Chrysene	ND		2.0
Di-n-octyl phthalate	ND		20
Benzo[b]fluoranthene	ND		2.0
Benzo[a]pyrene	ND		2.0
Benzo[k]fluoranthene	ND		2.0
Indeno[1,2,3-cd]pyrene	ND		2.0
Benzo[g,h,i]perylene	ND		2.0
Benzoic acid	ND		10
Azobenzene	ND		2.0
Dibenz(a,h)anthracene	ND		2.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	47	6 - 98
2-Fluorobiphenyl	55	6 - 103
Terphenyl-d14	60	36 - 106
2-Fluorophenol	36	1 - 66
Phenol-d5	19	1 - 47
2,4,6-Tribromophenol	64	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1347
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1421
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	28	28	12 - 89	2	35		
Bis(2-chloroethyl)ether	63	61	43 - 126	4	35		
2-Chlorophenol	63	62	23 - 134	1	25		
1,3-Dichlorobenzene	56	58	17 - 153	3	35		
1,4-Dichlorobenzene	59	55	36 - 97	7	30		
Benzyl alcohol	64	62	10 - 130	3	35		
1,2-Dichlorobenzene	60	57	37 - 92	5	35		
2-Methylphenol	59	64	10 - 130	7	35		
4-Methylphenol	52	55	10 - 130	5	35		
N-Nitrosodi-n-propylamine	70	65	10 - 130	8	34		
Hexachloroethane	62	59	30 - 103	5	35		
Nitrobenzene	61	64	48 - 106	5	35		
Isophorone	68	68	47 - 180	0	35		
2-Nitrophenol	69	68	45 - 166	2	35		
2,4-Dimethylphenol	63	65	42 - 109	3	35		
Bis(2-chloroethoxy)methane	61	60	43 - 164	0	35		
2,4-Dichlorophenol	68	63	53 - 121	7	35		
1,2,4-Trichlorobenzene	59	61	44 - 142	4	35		
Naphthalene	57	57	36 - 119	1	35		
4-Chloroaniline	43	44	10 - 130	1	35		
Hexachlorobutadiene	59	63	38 - 102	7	35		
4-Chloro-3-methylphenol	73	72	22 - 147	2	31		
2-Methylnaphthalene	62	65	10 - 130	4	35		
Hexachlorocyclopentadiene	79	81	10 - 130	3	35		
2,4,6-Trichlorophenol	59	72	47 - 108	20	35		
2,4,5-Trichlorophenol	74	79	20 - 120	6	35		
2-Chloronaphthalene	67	66	10 - 130	2	35		
2-Nitroaniline	74	73	10 - 130	2	35		
Dimethyl phthalate	91	90	10 - 130	1	35		
Acenaphthylene	78	84	54 - 126	8	35		
3-Nitroaniline	77	74	10 - 130	4	35		
Acenaphthene	67	64	48 - 104	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1347
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1421
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-Dinitrophenol	82	88	10 - 130	6	35		
4-Nitrophenol	57	57	1 - 132	0	35		
Dibenzofuran	73	76	10 - 130	4	35		
2,4-Dinitrotoluene	79	81	39 - 139	2	35		
2,6-Dinitrotoluene	79	80	10 - 130	1	35		
Diethyl phthalate	99	85	10 - 130	15	35		
4-Chlorophenyl phenyl ether	73	73	39 - 144	0	35		
Fluorene	74	78	55 - 111	4	35		
4-Nitroaniline	86	93	10 - 130	9	35		
2-Methyl-4,6-dinitrophenol	91	97	53 - 110	6	35		
N-Nitrosodiphenylamine	79	83	14 - 170	5	35		
4-Bromophenyl phenyl ether	73	83	10 - 130	13	35		
Hexachlorobenzene	79	89	8 - 140	11	35		
Pentachlorophenol	84	82	45 - 125	2	35		
Phenanthrene	74	82	44 - 125	10	35		
Anthracene	76	78	44 - 118	3	35		
Di-n-butyl phthalate	80	82	9 - 111	3	35		
Fluoranthene	78	75	43 - 121	5	35		
Pyrene	69	81	52 - 115	16	35		
Butyl benzyl phthalate	74	86	10 - 139	14	35		
3,3'-Dichlorobenzidine	75	84	9 - 212	11	35		
Benzo[a]anthracene	76	82	42 - 133	8	35		
Bis(2-ethylhexyl) phthalate	76	91	29 - 136	18	35		
Chrysene	79	87	42 - 139	10	35		
Di-n-octyl phthalate	71	76	10 - 130	7	35		
Benzo[b]fluoranthene	79	82	42 - 140	5	35		
Benzo[a]pyrene	78	83	32 - 148	7	35		
Benzo[k]fluoranthene	70	79	26 - 145	12	35		
Indeno[1,2,3-cd]pyrene	76	86	10 - 150	13	35		
Benzo[g,h,i]perylene	81	79	10 - 140	2	35		
Benzoic acid	28	24	10 - 130	13	35		
Azobenzene	75	75	12 - 89	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1347
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1421
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibenz(a,h)anthracene	77	81	10 - 130	5	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	54	54	6 - 98
2-Fluorobiphenyl	56	57	6 - 103
Terphenyl-d14	65	73	36 - 106
2-Fluorophenol	35	34	1 - 66
Phenol-d5	23	22	1 - 47
2,4,6-Tribromophenol	59	68	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\72
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2002		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\720
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2036		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	15	17	12 - 89	9	35		
Bis(2-chloroethyl)ether	32	46	43 - 126	38	35	F	F
2-Chlorophenol	32	43	23 - 134	29	25		F
1,3-Dichlorobenzene	30	42	17 - 153	35	35		
1,4-Dichlorobenzene	27	41	36 - 97	40	30	F	F
Benzyl alcohol	35	43	10 - 130	23	35		
1,2-Dichlorobenzene	30	47	49 - 112	44	35	F	F
2-Methylphenol	29	37	10 - 130	22	35		
4-Methylphenol	29	33	10 - 130	13	35		
N-Nitrosodi-n-propylamine	33	53	10 - 130	45	34		F
Hexachloroethane	30	43	55 - 100	36	35	F	F
Nitrobenzene	32	49	55 - 157	40	35	F	F
Isophorone	36	49	47 - 180	30	35	F	
2-Nitrophenol	33	51	45 - 166	41	35	F	F
2,4-Dimethylphenol	37	49	42 - 109	26	35	F	
Bis(2-chloroethoxy)methane	32	46	43 - 164	35	35	F	
2,4-Dichlorophenol	37	47	53 - 121	23	35	F	F
1,2,4-Trichlorobenzene	33	46	44 - 142	33	35	F	
Naphthalene	30	44	36 - 119	24	35	F	
4-Chloroaniline	27	32	10 - 130	17	35		
Hexachlorobutadiene	31	45	38 - 102	36	35	F	F
4-Chloro-3-methylphenol	54	66	22 - 147	20	31		
2-Methylnaphthalene	35	44	10 - 130	22	35		
Hexachlorocyclopentadiene	38	51	10 - 130	30	35		
2,4,6-Trichlorophenol	43	46	55 - 129	8	35	F	F
2,4,5-Trichlorophenol	54	58	20 - 120	8	35		
2-Chloronaphthalene	36	43	10 - 130	17	35		
2-Nitroaniline	51	63	10 - 130	22	35		
Dimethyl phthalate	60	69	10 - 130	13	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\72
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2002		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\720
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2036		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthylene	47	57	54 - 126	19	35	F	
3-Nitroaniline	62	74	10 - 130	19	35		
Acenaphthene	39	46	56 - 118	16	30	F	F
2,4-Dinitrophenol	80	80	10 - 130	1	35		
4-Nitrophenol	41	45	1 - 132	8	35		
Dibenzofuran	47	49	10 - 130	2	35		
2,4-Dinitrotoluene	60	76	39 - 139	24	35		
2,6-Dinitrotoluene	62	63	10 - 130	2	35		
Diethyl phthalate	65	75	10 - 130	14	35		
4-Chlorophenyl phenyl ether	55	58	39 - 144	5	35		
Fluorene	50	62	72 - 108	23	35	F	F
4-Nitroaniline	62	80	10 - 130	25	35		
2-Methyl-4,6-dinitrophenol	71	76	53 - 110	6	35		
N-Nitrosodiphenylamine	62	79	14 - 170	24	35		
4-Bromophenyl phenyl ether	54	65	10 - 130	20	35		
Hexachlorobenzene	55	64	8 - 140	16	35		
Pentachlorophenol	81	93	45 - 125	13	35		
Phenanthrene	55	74	44 - 125	28	35		
Anthracene	57	76	44 - 118	28	35		
Di-n-butyl phthalate	60	72	9 - 111	18	35		
Fluoranthene	55	67	43 - 121	20	35		
Pyrene	61	80	52 - 115	27	35		
Butyl benzyl phthalate	64	87	10 - 139	30	35		
3,3'-Dichlorobenzidine	0	0	9 - 212	NC	35	F	F
Benzo[a]anthracene	62	82	42 - 133	27	35		
Bis(2-ethylhexyl) phthalate	68	85	29 - 136	22	35		
Chrysene	61	75	42 - 139	21	35		
Di-n-octyl phthalate	61	76	10 - 130	22	35		
Benzo[b]fluoranthene	59	81	42 - 140	32	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\72
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2002		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\720
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2036		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual MSD Qual
Benzo[a]pyrene	62	78	32 - 148	23	35	
Benzo[k]fluoranthene	55	67	26 - 145	20	35	
Indeno[1,2,3-cd]pyrene	64	80	10 - 150	22	35	
Benzo[g,h,i]perylene	65	80	10 - 140	22	35	
Benzoic acid	28	23	10 - 130	21	35	
Azobenzene	51	58	12 - 89	14	35	
Dibenz(a,h)anthracene	66	81	10 - 130	20	35	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	29	45	6 - 98
2-Fluorobiphenyl	30	39	6 - 103
Terphenyl-d14	58	77	36 - 106
2-Fluorophenol	19	23	1 - 66
Phenol-d5	12	13	1 - 47
2,4,6-Tribromophenol	57	66	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32006

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 720-32006/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1557
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\mb
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	ND		0.067
Bis(2-chloroethyl)ether	ND		0.067
2-Chlorophenol	ND		0.067
1,3-Dichlorobenzene	ND		0.067
1,4-Dichlorobenzene	ND		0.067
Benzyl alcohol	ND		0.17
1,2-Dichlorobenzene	ND		0.067
2-Methylphenol	ND		0.067
4-Methylphenol	ND		0.067
N-Nitrosodi-n-propylamine	ND		0.067
Hexachloroethane	ND		0.067
Nitrobenzene	ND		0.067
Isophorone	ND		0.067
2-Nitrophenol	ND		0.067
2,4-Dimethylphenol	ND		0.067
Bis(2-chloroethoxy)methane	ND		0.17
2,4-Dichlorophenol	ND		0.33
1,2,4-Trichlorobenzene	ND		0.067
Naphthalene	ND		0.067
4-Chloroaniline	ND		0.067
Hexachlorobutadiene	ND		0.067
4-Chloro-3-methylphenol	ND		0.17
2-Methylnaphthalene	ND		0.067
Hexachlorocyclopentadiene	ND		0.17
2,4,6-Trichlorophenol	ND		0.067
2,4,5-Trichlorophenol	ND		0.067
2-Chloronaphthalene	ND		0.067
2-Nitroaniline	ND		0.33
Dimethyl phthalate	ND		0.17
Acenaphthylene	ND		0.067
3-Nitroaniline	ND		0.17
Acenaphthene	ND		0.067
2,4-Dinitrophenol	ND		0.33
4-Nitrophenol	ND		0.33
Dibenzofuran	ND		0.067
2,4-Dinitrotoluene	ND		0.067
2,6-Dinitrotoluene	ND		0.067
Diethyl phthalate	ND		0.17
4-Chlorophenyl phenyl ether	ND		0.17
Fluorene	ND		0.067
4-Nitroaniline	ND		0.33

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32006

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 720-32006/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1557
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\mb
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		0.33
N-Nitrosodiphenylamine	ND		0.067
4-Bromophenyl phenyl ether	ND		0.17
Hexachlorobenzene	ND		0.067
Pentachlorophenol	ND		0.33
Phenanthrene	ND		0.067
Anthracene	ND		0.067
Di-n-butyl phthalate	ND		0.17
Fluoranthene	ND		0.067
Pyrene	ND		0.067
Butyl benzyl phthalate	ND		0.17
3,3'-Dichlorobenzidine	ND		0.17
Benzo[a]anthracene	ND		0.33
Bis(2-ethylhexyl) phthalate	ND		0.33
Chrysene	ND		0.067
Di-n-octyl phthalate	ND		1.0
Benzo[b]fluoranthene	ND		0.067
Benzo[a]pyrene	ND		0.067
Benzo[k]fluoranthene	ND		0.067
Indeno[1,2,3-cd]pyrene	ND		0.067
Benzo[g,h,i]perylene	ND		0.067
Benzoic acid	ND		0.33
Azobenzene	ND		0.067
Dibenz(a,h)anthracene	ND		0.067

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	56	23 - 120
2-Fluorobiphenyl	54	30 - 115
Terphenyl-d14	64	18 - 137
2-Fluorophenol	58	25 - 121
Phenol-d5	57	24 - 113
2,4,6-Tribromophenol	61	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32006

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-32006/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1449
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcs
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-32006/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1523
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcsd
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	69	66	5 - 112	5	35		
Bis(2-chloroethyl)ether	61	56	12 - 158	8	35		
2-Chlorophenol	69	63	23 - 134	8	35		
1,3-Dichlorobenzene	52	49	9 - 172	8	35		
1,4-Dichlorobenzene	50	47	20 - 124	8	35		
Benzyl alcohol	74	71	10 - 130	4	35		
1,2-Dichlorobenzene	57	53	32 - 129	8	35		
2-Methylphenol	70	68	10 - 130	3	35		
4-Methylphenol	70	64	10 - 130	8	35		
N-Nitrosodi-n-propylamine	72	70	9 - 230	3	35		
Hexachloroethane	55	57	40 - 113	2	35		
Nitrobenzene	67	65	35 - 180	4	35		
Isophorone	73	72	21 - 196	2	35		
2-Nitrophenol	71	68	29 - 182	5	35		
2,4-Dimethylphenol	73	72	32 - 119	2	35		
Bis(2-chloroethoxy)methane	64	65	33 - 184	1	35		
2,4-Dichlorophenol	69	67	10 - 130	4	35		
1,2,4-Trichlorobenzene	66	65	44 - 142	0	35		
Naphthalene	61	59	21 - 133	3	35		
4-Chloroaniline	36	34	10 - 130	6	35		
Hexachlorobutadiene	66	62	24 - 116	6	35		
4-Chloro-3-methylphenol	76	77	10 - 130	1	35		
2-Methylnaphthalene	64	62	10 - 130	3	35		
Hexachlorocyclopentadiene	91	93	10 - 130	2	35		
2,4,6-Trichlorophenol	74	70	37 - 144	6	35		
2,4,5-Trichlorophenol	77	79	10 - 130	2	35		
2-Chloronaphthalene	76	74	10 - 130	2	35		
2-Nitroaniline	77	80	10 - 130	4	35		
Dimethyl phthalate	94	95	9 - 112	0	35		
Acenaphthylene	85	91	33 - 145	7	35		
3-Nitroaniline	75	82	10 - 130	8	35		
Acenaphthene	70	68	47 - 145	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32006

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-32006/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1449
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcs
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-32006/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1523
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcsd
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-Dinitrophenol	53	47	9 - 191	12	35		
4-Nitrophenol	101	102	10 - 130	0	35		
Dibenzofuran	84	81	10 - 130	3	35		
2,4-Dinitrotoluene	89	89	39 - 139	0	35		
2,6-Dinitrotoluene	84	88	50 - 158	5	35		
Diethyl phthalate	83	88	9 - 114	6	35		
4-Chlorophenyl phenyl ether	84	81	25 - 158	3	35		
Fluorene	85	85	59 - 121	0	35		
4-Nitroaniline	94	94	10 - 130	1	35		
2-Methyl-4,6-dinitrophenol	75	64	9 - 181	16	35		
N-Nitrosodiphenylamine	83	75	10 - 130	10	35		
4-Bromophenyl phenyl ether	80	68	53 - 127	16	35		
Hexachlorobenzene	77	72	9 - 152	7	35		
Pentachlorophenol	61	51	14 - 176	19	35		
Phenanthrene	78	68	10 - 130	13	35		
Anthracene	76	68	27 - 133	10	35		
Di-n-butyl phthalate	79	75	10 - 130	5	35		
Fluoranthene	78	69	26 - 137	13	35		
Pyrene	65	62	52 - 115	4	35		
Butyl benzyl phthalate	73	75	10 - 130	3	35		
3,3'-Dichlorobenzidine	63	64	10 - 130	1	35		
Benzo[a]anthracene	69	67	33 - 143	2	35		
Bis(2-ethylhexyl) phthalate	79	74	8 - 158	6	35		
Chrysene	69	72	17 - 168	4	35		
Di-n-octyl phthalate	73	70	4 - 146	5	35		
Benzo[b]fluoranthene	79	71	24 - 159	11	35		
Benzo[a]pyrene	72	69	17 - 163	5	35		
Benzo[k]fluoranthene	74	65	11 - 162	14	35		
Indeno[1,2,3-cd]pyrene	83	75	9 - 171	10	35		
Benzo[g,h,i]perylene	86	76	9 - 219	12	35		
Benzoic acid	15	15	10 - 130	4	35		
Azobenzene	78	80	10 - 130	2	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32006

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-32006/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1449
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcs
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-32006/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1523
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcsd
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibenz(a,h)anthracene	79	73	10 - 130	8	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	60	59	23 - 120
2-Fluorobiphenyl	67	66	30 - 115
Terphenyl-d14	63	63	18 - 137
2-Fluorophenol	53	51	25 - 121
Phenol-d5	57	56	24 - 113
2,4,6-Tribromophenol	65	72	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32006

Method: 8270C
Preparation: 3550B
Total/NA

MS Lab Sample ID:	720-13063-1	Analysis Batch: 720-32156	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022108\72
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	02/21/2008 1705		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

MSD Lab Sample ID:	720-13063-1	Analysis Batch: 720-32156	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022108\720
Dilution:	1.0		Initial Weight/Volume: 30.07 g
Date Analyzed:	02/21/2008 1739		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	65	65	5 - 112	0	35		
Bis(2-chloroethyl)ether	53	55	12 - 158	5	35		
2-Chlorophenol	60	59	23 - 134	0	35		
1,3-Dichlorobenzene	35	33	9 - 172	7	35		
1,4-Dichlorobenzene	35	34	20 - 124	2	35		
Benzyl alcohol	68	71	10 - 130	3	35		
1,2-Dichlorobenzene	40	40	32 - 129	1	35		
2-Methylphenol	64	65	10 - 130	1	35		
4-Methylphenol	64	62	10 - 130	3	35		
N-Nitrosodi-n-propylamine	60	60	9 - 230	0	35		
Hexachloroethane	34	36	40 - 113	6	35	F	F
Nitrobenzene	57	59	35 - 180	3	35		
Isophorone	65	67	21 - 196	3	35		
2-Nitrophenol	66	68	29 - 182	4	35		
2,4-Dimethylphenol	69	75	32 - 119	7	35		
Bis(2-chloroethoxy)methane	61	59	33 - 184	3	35		
2,4-Dichlorophenol	65	68	10 - 130	4	35		
1,2,4-Trichlorobenzene	49	49	44 - 142	1	35		
Naphthalene	49	48	21 - 133	2	35		
4-Chloroaniline	36	38	10 - 130	5	35		
Hexachlorobutadiene	46	45	24 - 116	2	35		
4-Chloro-3-methylphenol	75	80	10 - 130	5	35		
2-Methylnaphthalene	57	55	10 - 130	3	35		
Hexachlorocyclopentadiene	63	64	10 - 130	2	35		
2,4,6-Trichlorophenol	65	69	37 - 144	6	35		
2,4,5-Trichlorophenol	72	81	10 - 130	12	35		
2-Chloronaphthalene	53	60	10 - 130	13	35		
2-Nitroaniline	69	72	10 - 130	4	35		
Dimethyl phthalate	79	79	9 - 112	0	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32006

Method: 8270C
Preparation: 3550B
Total/NA

MS Lab Sample ID: 720-13063-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1705
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\72
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 720-13063-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1739
Date Prepared: 02/19/2008 1255

Analysis Batch: 720-32156
Prep Batch: 720-32006

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\720
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthylene	66	67	33 - 145	1	35		
3-Nitroaniline	79	84	10 - 130	6	35		
Acenaphthene	59	57	47 - 145	3	35		
2,4-Dinitrophenol	80	80	9 - 191	1	35		
4-Nitrophenol	102	99	10 - 130	3	35		
Dibenzofuran	62	64	10 - 130	3	35		
2,4-Dinitrotoluene	77	81	39 - 139	4	35		
2,6-Dinitrotoluene	73	75	50 - 158	2	35		
Diethyl phthalate	70	69	9 - 114	1	35		
4-Chlorophenyl phenyl ether	64	73	25 - 158	13	35		
Fluorene	65	57	59 - 121	12	35		F
4-Nitroaniline	78	78	10 - 130	1	35		
2-Methyl-4,6-dinitrophenol	88	91	9 - 181	3	35		
N-Nitrosodiphenylamine	61	71	10 - 130	15	35		
4-Bromophenyl phenyl ether	65	69	53 - 127	5	35		
Hexachlorobenzene	74	78	9 - 152	4	35		
Pentachlorophenol	75	79	14 - 176	4	35		
Phenanthrene	63	65	10 - 130	2	35		
Anthracene	67	70	27 - 133	4	35		
Di-n-butyl phthalate	73	67	10 - 130	8	35		
Fluoranthene	67	65	26 - 137	4	35		
Pyrene	63	56	52 - 115	12	35		
Butyl benzyl phthalate	64	60	10 - 130	6	35		
3,3'-Dichlorobenzidine	67	56	10 - 130	18	35		
Benzo[a]anthracene	66	57	33 - 143	15	35		
Bis(2-ethylhexyl) phthalate	74	67	8 - 158	10	35		
Chrysene	65	60	17 - 168	9	35		
Di-n-octyl phthalate	66	61	4 - 146	7	35		
Benzo[b]fluoranthene	66	65	24 - 159	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32006

Method: 8270C
Preparation: 3550B
Total/NA

MS Lab Sample ID:	720-13063-1	Analysis Batch: 720-32156	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022108\72
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	02/21/2008 1705		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

MSD Lab Sample ID:	720-13063-1	Analysis Batch: 720-32156	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-32006	Lab File ID: d:\data\200802\022108\720
Dilution:	1.0		Initial Weight/Volume: 30.07 g
Date Analyzed:	02/21/2008 1739		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1255		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	66	62	17 - 163	6	35		
Benzo[k]fluoranthene	62	59	11 - 162	5	35		
Indeno[1,2,3-cd]pyrene	67	67	9 - 171	1	35		
Benzo[g,h,i]perylene	67	68	9 - 219	1	35		
Benzoic acid	30	24	10 - 130	20	35		
Azobenzene	64	63	10 - 130	3	35		
Dibenz(a,h)anthracene	67	69	10 - 130	3	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	58	58	23 - 120
2-Fluorobiphenyl	56	61	30 - 115
Terphenyl-d14	61	57	18 - 137
2-Fluorophenol	54	52	25 - 121
Phenol-d5	58	58	24 - 113
2,4,6-Tribromophenol	65	68	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-32018

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-32018/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1309
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	79	40 - 119

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32018

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-32018/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1217
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-32018/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1243
Date Prepared: 02/19/2008 1408

Analysis Batch: 720-32186
Prep Batch: 720-32018
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	82	75	50 - 130	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	92	82	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32018

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-13063-13	Analysis Batch: 720-32188	Instrument ID: HP DRO5
Client Matrix:	Solid	Prep Batch: 720-32018	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.12 g
Date Analyzed:	02/21/2008 1623		Final Weight/Volume: 5 mL
Date Prepared:	02/19/2008 1408		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-13063-13	Analysis Batch: 720-32188	Instrument ID: HP DRO5
Client Matrix:	Solid	Prep Batch: 720-32018	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.16 g
Date Analyzed:	02/21/2008 1651		Final Weight/Volume: 5 mL
Date Prepared:	02/19/2008 1408		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	66	66	50 - 130	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	83	81	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-32040

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-32040/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 2306
Date Prepared: 02/19/2008 1649

Analysis Batch: 720-32194
Prep Batch: 720-32040
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	85	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32040

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-32040/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 2212
Date Prepared: 02/19/2008 1649

Analysis Batch: 720-32194
Prep Batch: 720-32040
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-32040/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 2239
Date Prepared: 02/19/2008 1649

Analysis Batch: 720-32194
Prep Batch: 720-32040
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	74	71	50 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	84	84	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32040

Method: 8015B
Preparation: 3510C

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-32194	Instrument ID: HP DRO5
Client Matrix:	Water	Prep Batch: 720-32040	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	02/20/2008 1836		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1649		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-32194	Instrument ID: HP DRO5
Client Matrix:	Water	Prep Batch: 720-32040	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	02/20/2008 1904		Final Weight/Volume: 1 mL
Date Prepared:	02/19/2008 1649		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	39	45	50 - 130	7	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	64	73	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31978

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 720-31978/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1514
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978
Units: ug/L

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.052	0.50
PCB-1221	ND		0.052	0.50
PCB-1232	ND		0.052	0.50
PCB-1242	ND		0.052	0.50
PCB-1248	ND		0.052	0.50
PCB-1254	ND		0.052	0.50
PCB-1260	ND		0.052	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	47 - 114
DCB Decachlorobiphenyl	46	17 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31978

Method: 8082
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31978/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1533
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978
Units: ug/L

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31978/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1552
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978
Units: ug/L

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	88	85	68 - 134	3	22		
PCB-1260	86	85	60 - 133	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	70	63	47 - 114
DCB Decachlorobiphenyl	75	75	17 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31978

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	720-13063-4	Analysis Batch: 720-32074	Instrument ID: Agilent PCB 2
Client Matrix:	Water	Prep Batch: 720-31978	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/19/2008 1806		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 1517		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-13063-4	Analysis Batch: 720-32074	Instrument ID: Agilent PCB 2
Client Matrix:	Water	Prep Batch: 720-31978	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/19/2008 1825		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 1517		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	78	77	65 - 135	1	35		
PCB-1260	68	71	65 - 135	4	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	61	65	47 - 114
DCB Decachlorobiphenyl	44	46	17 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32037

Method: 8082
Preparation: 3550B

Lab Sample ID: MB 720-32037/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1033
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037
Units: ug/Kg

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		50
PCB-1221	ND		50
PCB-1232	ND		50
PCB-1242	ND		50
PCB-1248	ND		50
PCB-1254	ND		50
PCB-1260	ND		50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	46 - 111
DCB Decachlorobiphenyl	86	34 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32037

Method: 8082
Preparation: 3550B

LCS Lab Sample ID: LCS 720-32037/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1052
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037
Units: ug/Kg

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-32037/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1111
Date Prepared: 02/19/2008 1629

Analysis Batch: 720-32143
Prep Batch: 720-32037
Units: ug/Kg

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	100	98	66 - 116	1	21		
PCB-1260	93	95	57 - 110	2	24		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	89	86	46 - 111
DCB Decachlorobiphenyl	82	85	34 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32037

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	720-13063-2	Analysis Batch: 720-32143	Instrument ID: Agilent PCB 2
Client Matrix:	Solid	Prep Batch: 720-32037	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.09 g
Date Analyzed:	02/20/2008 1209		Final Weight/Volume: 10 mL
Date Prepared:	02/19/2008 1629		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-13063-2	Analysis Batch: 720-32143	Instrument ID: Agilent PCB 2
Client Matrix:	Solid	Prep Batch: 720-32037	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.09 g
Date Analyzed:	02/20/2008 1228		Final Weight/Volume: 10 mL
Date Prepared:	02/19/2008 1629		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	99	96	25 - 147	2	38		
PCB-1260	95	95	14 - 145	0	48		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	84	46 - 111
DCB Decachlorobiphenyl	83	84	34 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31962

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 720-31962/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1326
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	ND		0.0050
Barium	ND		0.0050
Cadmium	ND		0.0020
Chromium	ND		0.0050
Lead	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31962

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID: LCS 720-31962/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31962/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1333
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	100	98	80 - 120	2	20		
Barium	106	104	80 - 120	2	20		
Cadmium	99	97	80 - 120	2	20		
Chromium	102	100	80 - 120	2	20		
Lead	99	98	80 - 120	2	20		
Selenium	101	99	80 - 120	1	20		
Silver	96	94	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31962

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	720-13063-4	Analysis Batch:	720-32031	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	720-31962	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/19/2008 1336			Final Weight/Volume:	50 mL
Date Prepared:	02/18/2008 1024				

MSD Lab Sample ID:	720-13063-4	Analysis Batch:	720-32031	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	720-31962	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/19/2008 1340			Final Weight/Volume:	50 mL
Date Prepared:	02/18/2008 1024				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	107	105	75 - 125	2	25		
Barium	101	94	75 - 125	4	25		
Cadmium	95	94	75 - 125	1	25		
Chromium	99	98	75 - 125	2	25		
Lead	94	92	75 - 125	2	25		
Selenium	109	106	75 - 125	2	25		
Silver	106	104	75 - 125	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31997

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-31997/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0756
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	ND		1.0
Barium	ND		1.0
Cadmium	ND		0.50
Chromium	ND		1.0
Lead	ND		1.0
Selenium	ND		2.0
Silver	ND		1.0

LCS-Standard Reference Material - Batch: 720-31997

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-31997/25-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0946
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	22.7	19.8	87	69 - 119	
Barium	145	130	90	61 - 117	
Cadmium	42.2	37.9	90	67 - 118	
Chromium	246	219	89	67 - 121	
Lead	44.1	37.5	85	62 - 113	
Selenium	165	151	91	63 - 126	
Silver	79.5	50.5	63	51 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31997

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-31997/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0805
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31997/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0809
Date Prepared: 02/19/2008 1050

Analysis Batch: 720-32062
Prep Batch: 720-31997
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	99	96	80 - 120	3	20		
Barium	92	89	80 - 120	3	20		
Cadmium	95	93	80 - 120	3	20		
Chromium	96	93	80 - 120	3	20		
Lead	95	92	80 - 120	3	20		
Selenium	99	97	80 - 120	2	20		
Silver	96	93	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31997

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	720-13063-1	Analysis Batch:	720-32062	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	720-31997	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	02/20/2008 0813			Final Weight/Volume:	50 mL
Date Prepared:	02/19/2008 1050				

MSD Lab Sample ID:	720-13063-1	Analysis Batch:	720-32062	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	720-31997	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	02/20/2008 0817			Final Weight/Volume:	50 mL
Date Prepared:	02/19/2008 1050				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	94	95	75 - 125	5	20		
Barium	90	91	75 - 125	4	20		
Cadmium	91	92	75 - 125	5	20		
Chromium	96	97	75 - 125	4	20		
Lead	91	92	75 - 125	5	20		
Selenium	97	99	75 - 125	5	20		
Silver	93	96	75 - 125	7	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-31990

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 720-31990/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1211
Date Prepared: 02/19/2008 0853

Analysis Batch: 720-32008
Prep Batch: 720-31990
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.00020

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31990

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 720-31990/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1212
Date Prepared: 02/19/2008 0853

Analysis Batch: 720-32008
Prep Batch: 720-31990
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31990/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1213
Date Prepared: 02/19/2008 0853

Analysis Batch: 720-32008
Prep Batch: 720-31990
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	104	102	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31990

Method: 7470A
Preparation: 7470A
Total/NA

MS Lab Sample ID:	720-12999-A-2-E MS	Analysis Batch: 720-32008	Instrument ID: FIMS 100
Client Matrix:	Water	Prep Batch: 720-31990	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 25 mL
Date Analyzed:	02/19/2008 1214		Final Weight/Volume: 50 mL
Date Prepared:	02/19/2008 0853		

MSD Lab Sample ID:	720-12999-A-2-F MSD	Analysis Batch: 720-32008	Instrument ID: FIMS 100
Client Matrix:	Water	Prep Batch: 720-31990	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 25 mL
Date Analyzed:	02/19/2008 1216		Final Weight/Volume: 50 mL
Date Prepared:	02/19/2008 0853		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	104	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32114

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 720-32114/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1103
Date Prepared: 02/21/2008 0759

Analysis Batch: 720-32130
Prep Batch: 720-32114
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.00020

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32114

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 720-32114/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1104
Date Prepared: 02/21/2008 0759

Analysis Batch: 720-32130
Prep Batch: 720-32114
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-32114/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1105
Date Prepared: 02/21/2008 0759

Analysis Batch: 720-32130
Prep Batch: 720-32114
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	99	100	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32114

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	720-13100-A-1-A MS	Analysis Batch: 720-32130	Instrument ID: FIMS 100
Client Matrix:	Water	Prep Batch: 720-32114	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 25 mL
Date Analyzed:	02/21/2008 1107		Final Weight/Volume: 50 mL
Date Prepared:	02/21/2008 0759		

MSD Lab Sample ID:	720-13100-A-1-B MSD	Analysis Batch: 720-32130	Instrument ID: FIMS 100
Client Matrix:	Water	Prep Batch: 720-32114	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 25 mL
Date Analyzed:	02/21/2008 1108		Final Weight/Volume: 50 mL
Date Prepared:	02/21/2008 0759		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	99	96	75 - 125	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31963

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-31963/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1056
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31963

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-31963/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1057
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31963/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1101
Date Prepared: 02/18/2008 1057

Analysis Batch: 720-32007
Prep Batch: 720-31963
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	98	101	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31963

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	720-13063-1	Analysis Batch: 720-32007	Instrument ID: FIMS 100
Client Matrix:	Solid	Prep Batch: 720-31963	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.02 g
Date Analyzed:	02/19/2008 1102		Final Weight/Volume: 50 mL
Date Prepared:	02/18/2008 1057		

MSD Lab Sample ID:	720-13063-1	Analysis Batch: 720-32007	Instrument ID: FIMS 100
Client Matrix:	Solid	Prep Batch: 720-31963	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.03 g
Date Analyzed:	02/19/2008 1103		Final Weight/Volume: 50 mL
Date Prepared:	02/18/2008 1057		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	97	95	75 - 125	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-31982

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 720-31982/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1727

Analysis Batch: 720-32012
Prep Batch: 720-31982
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
HEM (Oil & Grease)	ND		0.25	2.0

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31982

Method: 1664A
Preparation: 1664A

LCS Lab Sample ID: LCS 720-31982/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1727

Analysis Batch: 720-32012
Prep Batch: 720-31982
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

LCSD Lab Sample ID: LCSD 720-31982/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1727

Analysis Batch: 720-32012
Prep Batch: 720-31982
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
HEM (Oil & Grease)	91	99	84 - 104	9	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31982

Method: 1664A
Preparation: 1664A

MS Lab Sample ID:	720-13063-4	Analysis Batch:	720-32012	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	720-31982	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	02/19/2008 1329			Final Weight/Volume:	960 mL
Date Prepared:	02/18/2008 1727				

MSD Lab Sample ID:	720-13063-4	Analysis Batch:	720-32012	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	720-31982	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	970 mL
Date Analyzed:	02/19/2008 1329			Final Weight/Volume:	970 mL
Date Prepared:	02/18/2008 1727				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
HEM (Oil & Grease)	55	60	87 - 100	9	13	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Method Blank - Batch: 720-32088

Method: 9071B
Preparation: 9071B

Lab Sample ID: MB 720-32088/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1255
Date Prepared: 02/20/2008 1439

Analysis Batch: 720-32135
Prep Batch: 720-32088
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.02 g
Final Weight/Volume: 10.02 mL

Analyte	Result	Qual	RL
HEM	ND		100

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32088

Method: 9071B
Preparation: 9071B

LCS Lab Sample ID: LCS 720-32088/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1255
Date Prepared: 02/20/2008 1439

Analysis Batch: 720-32135
Prep Batch: 720-32088
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.01 g
Final Weight/Volume: 10.01 mL

LCSD Lab Sample ID: LCSD 720-32088/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/21/2008 1255
Date Prepared: 02/20/2008 1439

Analysis Batch: 720-32135
Prep Batch: 720-32088
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.04 g
Final Weight/Volume: 10.04 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
HEM	86	85	79 - 120	2	18		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13063-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32088

Method: 9071B
Preparation: 9071B

MS Lab Sample ID:	720-13063-10	Analysis Batch:	720-32135	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	720-32088	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10.17 g
Date Analyzed:	02/21/2008 1255			Final Weight/Volume:	10.17 mL
Date Prepared:	02/20/2008 1439				

MSD Lab Sample ID:	720-13063-10	Analysis Batch:	720-32135	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	720-32088	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10.11 g
Date Analyzed:	02/21/2008 1255			Final Weight/Volume:	10.11 mL
Date Prepared:	02/20/2008 1439				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
HEM	74	72	79 - 120	1	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

720-13063

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 109471
Date 2/15/08 Page 1 of 2

Report To

Attn: SC Knight Melanie Eirman
Company: ERRG
Address: 115 Sansome
Phone: 925 250 9842 Email: Samantha.Knight
Bill To:
Sampled By: C ema. com
Attn:
Phone:

Analysis Request

Analysis columns: (1) TPH EPA - ☐ 8015B/8021 ☐ 8260B ☒ Gas w/ ☐ BTEX ☐ MTBE; (2) Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B; (3) TEPH EPA 8015M* ☐ Silica Gel ☒ Diesel ☐ Motor Oil ☒ Other Oils; (4) Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxygenates ☐ DCA, EDB ☐ Ethanol; (5) Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B; (6) Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624; (7) Semivolatiles GC/MS ☒ EPA 8270 ☐ 625; (8) Oil and Grease (EPA 1664) ☐ Petroleum ☐ Total; (9) Pesticides ☐ EPA 8081 ☐ 608, PCBs ☒ EPA 8082 ☐ 608; (10) PNAs by ☐ 8270 ☐ 8310; (11) CAM17 Metals (EPA 6010/7470/7471); (12) Metals: ☐ Lead ☐ LUFT ☒ RCRA ☐ Other; (13) Low Level Metals by EPA 200.8/6020 (ICP-MS); (14) W.E.T (STLC) ☐ TCLP ☐; (15) Hexavalent Chromium ☐ pH (24h hold time for H_2O) ☐; (16) Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐; (17) Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4; Number of Containers

	Sample ID	Date	Time	Matrix	Preserv.	TPH EPA	Purgeable Aromatics	TEPH EPA 8015M	Fuel Tests	Purgeable Halocarbons	Volatile Organics	Semivolatiles	Oil and Grease	Pesticides / PCBs	PNAs	CAM17 Metals	Metals	Low Level Metals	W.E.T / TCLP	Hex. Chromium / pH	Spec Cond. / TSS	Anions	Number of Containers
1.	AI-SB06-10	2/15/08	0750	S	—	X		X			X	X		X			X						1
2.	AI-SB06-15	2/15/08	0800	S	—	X		X			X	X		X			X						1
3.	AI-SB06-20	2/15/08	0810	S	—	X		X			X	X		X			X						1
4.	AI-SB06-W	2/15/08	0835	Aq	Vo as	X		X			X	X		X			X						~~12~~ 36 Sek
5.	AI-SB03a-10	2/15/08	0845	S	—	X		X			X	X		X			X						1
6.	AI-SB03a-15	2/15/08	0850	S	—	X		X			X	X		X			X						1
7.	AI-SB03a-20	2/15/08	0855	S	—	X		X			X	X		X			X						1
8.	AI-SB03a-25	2/15/08	0900	S	—	X		X			X	X		X			X						1
9.	AI-SB03a-30	2/15/08	0905	S	—	X		X			X	X		X			X						1
10.	AI-SB03a-35	2/15/08	0910	S	—	X		X			X	X		X			X						1

Project Info.

Project Name:
Project#: 27-168
PO#:
Credit Card#:

Sample Receipt

of Containers: 64 total
Head Space:
Temp: 0.3, 0.4, 1.7
Conforms to record:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID

Run MS/MSD on AI-SB06-W

	1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature / Time	Melanie E / 1315	[signature] / 1455	
Printed Name / Date	Melanie Eirman / 2-15	T. Lewis / 2/15/08	
Company	ERRG, Inc.	TAL SF	

	1) Received by:	2) Received by:	3) Received by:
Signature / Time	[signature] / 1345	M Bullock / 1455	
Printed Name / Date	T. Lewis / 2/15/08	T Bullock / 2/15/08	
Company	TAL-SF	TAL-SF	

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

Rev 06/04

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

720-13063

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 109471

Date 2/15/08 Page 2 of 5

Report To

Attn:

Company:

Address:

Phone: Email:

Bill To: Sampled By:

Attn: Phone:

Analysis Request

	Sample ID	Date	Time	Matrix	Pres.	TPH EPA - ☐ 8015/8021 ☐ 8260B ☒ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☒ Diesel ☐ Motor Oil ☐ Other	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxygenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☒ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☒ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☒ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP	Hexavalent Chromium ☐ ☐ pH (24h hold time for H_2O)	Spec Cond. ☐ Alkalinity ☐ TDS ☐ ☐ TSS ☐	Anions: ☐ Cl ☐ SO_4, ☐ NO_3 ☐ F ☐ Br ☐ NO_2, ☐ PO_4				Number of Containers
11	A1-SB07-10	2/15/08	1030	S	—	X		X			X	X		X			X									1
12	A1-SB07-15	2/15/08	1040	S	—	X		X			X	X		X			X									1
13	A1-SB27-15	2/15/08	1200	S	—	X		X			X	X		X			X									1
14	A1-SB07-W	2/15/08	1100	Aq	HCl	X		X			X	X		X			X									12
15	A1-TB01	2/15/08	0700	Aq	HCl	X					X															4

Project Info.

Project Name:

Project#:

PO#:

Credit Card#:

Sample Receipt

of Containers: 64 total

Head Space:

Temp:

Conforms to record:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank

Fund EDF

Special Instructions / Comments: ☐ Global ID

See Terms and Conditions on reverse

*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 815	Signature: [signature] Time: 1455	Signature: Time:
Printed Name: Melanie Emmons Date: 2-15	Printed Name: T. Lewis Date: 2/15/08	Printed Name: Date:
Company: ERRG, Inc	Company: TAL SF	Company:
1) Received by:	**2) Received by:**	**3) Received by:**
Signature: [signature] Time: 1348	Signature: [signature] Time: 1455	Signature: Time:
Printed Name: T Lewis Date: 2/15/08	Printed Name: T. Bullock Date: 2/15/08	Printed Name: Date:
Company: TAL-SF	Company: TAL SF	Company:

Rev 05/04

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-13063-1

Login Number: 13063
List Source: TestAmerica San Francisco
Creator: Bullock, Tracy
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-13041-1

Job Description: USCG-UST Investigation

For:
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

Attention: Ms. Melanie Enman

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
04/21/2008
Revision: 1

cc: Ms. Samantha C Knight

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Job Narrative
720-J13041-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 32147 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: B-3 (720-13048-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: A1-SB05-W (720-13041-13). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for three (03) analytes to recover outside criteria for this method when a full list spike is utilized. The LCSD associated with batch #31961 had one (01) analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The matrix spike/matrix spike duplicate (MS/MSD) for batch #31961 exceeded control limits for the following analyte(s): Benzoic acid. Benzoic acid has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: 720-13041-4. Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Due to the level of dilution required for the following sample(s), surrogate recoveries are not applicable: 720-13041-4.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #31970 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082: The continuing calibration verification (CCV) for 02-18-08 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-13041-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13041-1	**A1-SB01-10**					
Gasoline Range Organics (GRO)-C5-C12		0.99		0.25	mg/Kg	8260B
Naphthalene		5.2	J	9.7	ug/Kg	8260B
Dimethyl phthalate		0.014	J	0.17	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.070	J	0.33	mg/Kg	8270C
Diesel Range Organics [C10-C28]		25		1.0	mg/Kg	8015B
Chromium		22		1.0	mg/Kg	6010B
Lead		4.1		1.0	mg/Kg	6010B
Barium		73		1.0	mg/Kg	6010B
Arsenic		2.4		1.0	mg/Kg	6010B
720-13041-2	**A1-SB01-18**					
Carbon disulfide		0.95	J	5.0	ug/Kg	8260B
Naphthalene		4.9	J	10	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		0.016	J	0.33	mg/Kg	8270C
Diesel Range Organics [C10-C28]		5.5		1.0	mg/Kg	8015B
Chromium		18		1.1	mg/Kg	6010B
Lead		4.0		1.1	mg/Kg	6010B
Barium		55		1.1	mg/Kg	6010B
Arsenic		3.5		1.1	mg/Kg	6010B
Mercury		0.083		0.050	mg/Kg	7471A
720-13041-3	**A1-SB01-W**					
Bromomethane		0.24	J B	1.0	ug/L	8260B
Ethylbenzene		0.042	J	0.50	ug/L	8260B
Tetrachloroethene		0.062	J	0.50	ug/L	8260B
Toluene		0.27	J	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.042	J	0.50	ug/L	8260B
Diethyl phthalate		1.1	J	5.2	ug/L	8270C
Benzoic acid		2.4	J	10	ug/L	8270C
Diesel Range Organics [C10-C28]		950		50	ug/L	8015B
Barium		0.31		0.0050	mg/L	6010B
Chromium		0.026		0.0050	mg/L	6010B
Lead		0.0053		0.0050	mg/L	6010B
HEM (Oil & Grease)		1.5	J	2.0	mg/L	1664A

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13041-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13041-4	**A1-SB02-10**					
Acetone		31	J	50	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		5.3		1.1	mg/Kg	8260B
n-Butylbenzene		21		5.0	ug/Kg	8260B
sec-Butylbenzene		4.2	J	5.0	ug/Kg	8260B
4-Isopropyltoluene		4.9	J	5.0	ug/Kg	8260B
Methylene Chloride		1.8	J B	9.9	ug/Kg	8260B
Naphthalene		17		9.9	ug/Kg	8260B
N-Propylbenzene		0.57	J	5.0	ug/Kg	8260B
1,2,4-Trimethylbenzene		10		5.0	ug/Kg	8260B
2-Methylnaphthalene		1.5	J	3.3	mg/Kg	8270C
Fluorene		0.60	J *	3.3	mg/Kg	8270C
Phenanthrene		0.76	J	3.3	mg/Kg	8270C
Diesel Range Organics [C10-C28]		5000		20	mg/Kg	8015B
Chromium		42		1.0	mg/Kg	6010B
Lead		4.4		1.0	mg/Kg	6010B
Barium		100		1.0	mg/Kg	6010B
Arsenic		1.7		1.0	mg/Kg	6010B
Mercury		0.093		0.050	mg/Kg	7471A
HEM		4700		100	mg/Kg	9071B
720-13041-5	**A1-SB02-25**					
Carbon disulfide		1.2	J	5.0	ug/Kg	8260B
Naphthalene		5.3	J	9.9	ug/Kg	8260B
Chromium		24		0.96	mg/Kg	6010B
Lead		1.3		0.96	mg/Kg	6010B
Barium		18		0.96	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-13041-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13041-6	**A1-SB02-W**					
Methyl tert-butyl ether		0.17	J	5.0	ug/L	8260B
Benzene		0.048	J	0.50	ug/L	8260B
Bromomethane		0.20	J B	1.0	ug/L	8260B
2-Butanone (MEK)		0.87	J	50	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		71		50	ug/L	8260B
n-Butylbenzene		0.47	J	1.0	ug/L	8260B
sec-Butylbenzene		0.19	J	1.0	ug/L	8260B
Carbon disulfide		0.18	J	5.0	ug/L	8260B
Ethylbenzene		0.048	J	0.50	ug/L	8260B
4-Isopropyltoluene		0.26	J	1.0	ug/L	8260B
Methylene Chloride		0.058	J B	5.0	ug/L	8260B
Naphthalene		0.39	J	1.0	ug/L	8260B
N-Propylbenzene		0.056	J	1.0	ug/L	8260B
Tetrachloroethene		0.068	J	0.50	ug/L	8260B
Toluene		0.35	J	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.83		0.50	ug/L	8260B
Phenol		0.31	J	2.4	ug/L	8270C
2-Methylnaphthalene		0.39	J	2.4	ug/L	8270C
Diethyl phthalate		5.9	J	5.9	ug/L	8270C
Di-n-butyl phthalate		0.54	J	5.9	ug/L	8270C
Benzoic acid		13		12	ug/L	8270C
Diesel Range Organics [C10-C28]		1200		50	ug/L	8015B
Arsenic		0.031		0.0050	mg/L	6010B
Barium		0.98		0.0050	mg/L	6010B
Chromium		0.48		0.0050	mg/L	6010B
Lead		0.067		0.0050	mg/L	6010B
Mercury		0.00065		0.00020	mg/L	7470A
HEM (Oil & Grease)		1.5	J	2.0	mg/L	1664A
720-13041-7	**A1-SB03-12**					
Methylene Chloride		1.6	J B	9.8	ug/Kg	8260B
Naphthalene		5.0	J	9.8	ug/Kg	8260B
Diesel Range Organics [C10-C28]		8.1		0.99	mg/Kg	8015B
Chromium		12		0.95	mg/Kg	6010B
Lead		1.9		0.95	mg/Kg	6010B
Barium		29		0.95	mg/Kg	6010B
Arsenic		2.1		0.95	mg/Kg	6010B
Mercury		0.20		0.049	mg/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13041-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13041-8	**A1-SB03-20**					
Carbon disulfide		1.4	J	5.0	ug/Kg	8260B
Naphthalene		4.9	J	9.9	ug/Kg	8260B
Anthracene		0.0066	J	0.067	mg/Kg	8270C
Pyrene		0.041	J	0.067	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.014	J	0.33	mg/Kg	8270C
Chrysene		0.018	J	0.067	mg/Kg	8270C
Benzo[b]fluoranthene		0.031	J	0.067	mg/Kg	8270C
Benzo[a]pyrene		0.026	J	0.067	mg/Kg	8270C
Benzo[k]fluoranthene		0.0083	J	0.067	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.032	J	0.067	mg/Kg	8270C
Benzo[g,h,i]perylene		0.043	J	0.067	mg/Kg	8270C
Diesel Range Organics [C10-C28]		4.5		0.99	mg/Kg	8015B
Chromium		29		1.0	mg/Kg	6010B
Lead		3.6		1.0	mg/Kg	6010B
Barium		34		1.0	mg/Kg	6010B
Arsenic		2.8		1.0	mg/Kg	6010B
720-13041-9	**A1-SB20-W**					
Bromomethane		0.18	J B	1.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		71		50	ug/L	8260B
n-Butylbenzene		0.42	J	1.0	ug/L	8260B
sec-Butylbenzene		0.48	J	1.0	ug/L	8260B
tert-Butylbenzene		0.077	J	1.0	ug/L	8260B
Ethylbenzene		0.043	J	0.50	ug/L	8260B
Naphthalene		0.21	J	1.0	ug/L	8260B
N-Propylbenzene		0.062	J	1.0	ug/L	8260B
Toluene		0.19	J	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.071	J	0.50	ug/L	8260B
Diethyl phthalate		1.1	J	5.2	ug/L	8270C
Benzoic acid		1.9	J	10	ug/L	8270C
Diesel Range Organics [C10-C28]		710		50	ug/L	8015B
Barium		0.26		0.0050	mg/L	6010B
Chromium		0.0059		0.0050	mg/L	6010B
HEM (Oil & Grease)		0.64	J	2.0	mg/L	1664A

EXECUTIVE SUMMARY - Detections

Client: ERRG

Job Number: 720-13041-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13041-10	**A1-SB03-W**					
Bromomethane		0.21	J B	1.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		79		50	ug/L	8260B
n-Butylbenzene		0.54	J	1.0	ug/L	8260B
sec-Butylbenzene		0.59	J	1.0	ug/L	8260B
tert-Butylbenzene		0.092	J	1.0	ug/L	8260B
Carbon disulfide		0.081	J	5.0	ug/L	8260B
Ethylbenzene		0.058	J	0.50	ug/L	8260B
Naphthalene		0.28	J	1.0	ug/L	8260B
N-Propylbenzene		0.068	J	1.0	ug/L	8260B
Toluene		0.22	J	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.066	J	0.50	ug/L	8260B
Bis(2-ethylhexyl) phthalate		7.7	J	10	ug/L	8270C
Benzoic acid		1.9	J	10	ug/L	8270C
Diesel Range Organics [C10-C28]		770		50	ug/L	8015B
Barium		0.26		0.0050	mg/L	6010B
Chromium		0.0057		0.0050	mg/L	6010B
HEM (Oil & Grease)		1.0	J	2.0	mg/L	1664A
720-13041-11	**A1-SB05-10**					
Bis(2-ethylhexyl) phthalate		0.030	J	0.33	mg/Kg	8270C
Chromium		36		1.0	mg/Kg	6010B
Lead		2.5		1.0	mg/Kg	6010B
Barium		110		1.0	mg/Kg	6010B
Arsenic		1.8		1.0	mg/Kg	6010B
Mercury		0.050		0.048	mg/Kg	7471A
720-13041-12	**A1-SB05-20**					
Carbon disulfide		0.72	J	4.9	ug/Kg	8260B
Phenol		0.045	J	0.067	mg/Kg	8270C
Diesel Range Organics [C10-C28]		1.4		1.0	mg/Kg	8015B
Chromium		39		0.97	mg/Kg	6010B
Lead		3.6		0.97	mg/Kg	6010B
Barium		82		0.97	mg/Kg	6010B
Arsenic		2.4		0.97	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: ERRG Job Number: 720-13041-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-13041-13	**A1-SB05-W**					
Methyl tert-butyl ether		0.14	J	5.0	ug/L	8260B
Acetone		9.3	J	50	ug/L	8260B
Bromomethane		0.19	J B	1.0	ug/L	8260B
2-Butanone (MEK)		2.1	J B	50	ug/L	8260B
Carbon disulfide		0.17	J	5.0	ug/L	8260B
Ethylbenzene		0.078	J	0.50	ug/L	8260B
Toluene		0.23	J	0.50	ug/L	8260B
1,2,4-Trimethylbenzene		0.036	J	0.50	ug/L	8260B
Phenol		0.22	J	2.3	ug/L	8270C
Benzoic acid		2.3	J	12	ug/L	8270C
Diesel Range Organics [C10-C28]		600		50	ug/L	8015B
Arsenic		0.038		0.0050	mg/L	6010B
Barium		1.9		0.0050	mg/L	6010B
Chromium		0.55		0.0050	mg/L	6010B
Lead		0.057		0.0050	mg/L	6010B
Mercury		0.00077		0.00020	mg/L	7470A
HEM (Oil & Grease)		1.9	J	2.0	mg/L	1664A

METHOD SUMMARY

Client: ERRG Job Number: 720-13041-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge and Trap for Solids	TAL SF		SW846 5030B
Purge and Trap for Solids	TAL SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Ultrasonic Extraction	TAL SF		SW846 3550B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL SF	SW846 8082	
Ultrasonic Extraction	TAL SF		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	TAL SF		SW846 7471A
n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples	TAL SF	SW846 9071B	
n-Hexane Extractable Material (HEM) for Sludge,	TAL SF		SW846 9071B
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SF	SW846 8270C	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL SF	SW846 8082	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL SF		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7470A	
Mercury in Liquid Waste (Manual Cold Vapor	TAL SF		SW846 7470A
HEM and SGT-HEM by Extraction and Gravimetry	TAL SF	1664A 1664A	
HEM and SGT-HEM by Extraction and	TAL SF		1664A 1664A

Lab References:

TAL SF = TestAmerica San Francisco

METHOD SUMMARY

Client: ERRG Job Number: 720-13041-1

Description	Lab Location	Method	Preparation Method

Method References:

1664A = EPA-821-98-002

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ERRG

Job Number: 720-13041-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-13041-1	A1-SB01-10	Solid	02/14/2008 0830	02/14/2008 1710
720-13041-2	A1-SB01-18	Solid	02/14/2008 0901	02/14/2008 1710
720-13041-3	A1-SB01-W	Water	02/14/2008 0940	02/14/2008 1710
720-13041-4	A1-SB02-10	Solid	02/14/2008 1000	02/14/2008 1710
720-13041-5	A1-SB02-25	Solid	02/14/2008 1035	02/14/2008 1710
720-13041-6	A1-SB02-W	Water	02/14/2008 1110	02/14/2008 1710
720-13041-7	A1-SB03-12	Solid	02/14/2008 1130	02/14/2008 1710
720-13041-8	A1-SB03-20	Solid	02/14/2008 1145	02/14/2008 1710
720-13041-9	A1-SB20-W	Water	02/14/2008 1200	02/14/2008 1710
720-13041-10	A1-SB03-W	Water	02/14/2008 1300	02/14/2008 1710
720-13041-11	A1-SB05-10	Solid	02/14/2008 1445	02/14/2008 1710
720-13041-12	A1-SB05-20	Solid	02/14/2008 1500	02/14/2008 1710
720-13041-13	A1-SB05-W	Water	02/14/2008 1530	02/14/2008 1710

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-10**

Lab Sample ID: 720-13041-1
Client Matrix: Solid

Date Sampled: 02/14/2008 0830
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2121
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.10 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		0.99		0.25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	94	60 - 140

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB01-10

Lab Sample ID: 720-13041-1
Client Matrix: Solid

Date Sampled: 02/14/2008 0830
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 1549
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939

Instrument ID: Agilent 75MSD
Lab File ID: 021508009.D
Initial Weight/Volume: 5.17 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.8
Acetone		ND		13	48
Benzene		ND		0.73	4.8
Dichlorobromomethane		ND		0.68	4.8
Bromobenzene		ND		0.89	4.8
Chlorobromomethane		ND		2.6	19
Bromoform		ND		3.8	4.8
Bromomethane		ND		1.9	9.7
2-Butanone (MEK)		ND		28	48
n-Butylbenzene		ND		0.48	4.8
sec-Butylbenzene		ND		0.55	4.8
tert-Butylbenzene		ND		0.30	4.8
Carbon disulfide		ND		0.71	4.8
Carbon tetrachloride		ND		0.83	4.8
Chlorobenzene		ND		0.65	4.8
Chloroethane		ND		1.0	9.7
Chloroform		ND		0.94	4.8
Chloromethane		ND		0.83	9.7
2-Chlorotoluene		ND		0.74	4.8
4-Chlorotoluene		ND		0.40	4.8
Chlorodibromomethane		ND		1.1	4.8
1,2-Dichlorobenzene		ND		0.81	4.8
1,3-Dichlorobenzene		ND		0.35	4.8
1,4-Dichlorobenzene		ND		0.86	4.8
1,3-Dichloropropane		ND		0.97	4.8
1,1-Dichloropropene		ND		1.1	4.8
1,2-Dibromo-3-Chloropropane		ND		6.0	48
Ethylene Dibromide		ND		1.4	4.8
Dibromomethane		ND		1.5	9.7
Dichlorodifluoromethane		ND		0.84	9.7
1,1-Dichloroethane		ND		2.4	4.8
1,2-Dichloroethane		ND		0.88	4.8
1,1-Dichloroethene		ND		0.71	4.8
cis-1,2-Dichloroethene		ND		0.93	4.8
trans-1,2-Dichloroethene		ND		1.8	4.8
1,2-Dichloropropane		ND		1.1	4.8
cis-1,3-Dichloropropene		ND		0.64	4.8
trans-1,3-Dichloropropene		ND		0.80	4.8
Ethylbenzene		ND		0.49	4.8
Hexachlorobutadiene		ND		0.93	4.8
2-Hexanone		ND		2.0	48
Isopropylbenzene		ND		0.40	4.8
4-Isopropyltoluene		ND		0.57	4.8
Methylene Chloride		ND		1.3	9.7

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-10**

Lab Sample ID: 720-13041-1 | Date Sampled: 02/14/2008 0830
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-31977	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-31939	Lab File ID: 021508009.D
Dilution:	1.0		Initial Weight/Volume: 5.17 g
Date Analyzed:	02/15/2008 1549		Final Weight/Volume: 10 mL
Date Prepared:	02/15/2008 1249		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	48
Naphthalene		5.2	J	0.69	9.7
N-Propylbenzene		ND		0.55	4.8
Styrene		ND		0.49	4.8
1,1,1,2-Tetrachloroethane		ND		0.48	4.8
1,1,2,2-Tetrachloroethane		ND		1.5	4.8
Tetrachloroethene		ND		0.97	4.8
Toluene		ND		0.91	4.8
1,2,3-Trichlorobenzene		ND		0.74	4.8
1,2,4-Trichlorobenzene		ND		0.41	4.8
1,1,1-Trichloroethane		ND		0.98	4.8
1,1,2-Trichloroethane		ND		1.3	4.8
Trichloroethene		ND		0.87	4.8
Trichlorofluoromethane		ND		0.75	4.8
1,2,3-Trichloropropane		ND		0.93	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.8
1,2,4-Trimethylbenzene		ND		0.62	4.8
1,3,5-Trimethylbenzene		ND		0.57	4.8
Vinyl acetate		ND		1.7	48
Vinyl chloride		ND		0.73	4.8
Xylenes, Total		ND		1.5	9.7
2,2-Dichloropropane		ND		1.5	4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	50 - 138
1,2-Dichloroethane-d4 (Surr)	112	66 - 127
Toluene-d8 (Surr)	108	51 - 129

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2
Client Matrix: Solid

Date Sampled: 02/14/2008 0901
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2012
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	85	70 - 130
1,2-Dichloroethane-d4 (Surr)	85	60 - 140

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2 | Date Sampled: 02/14/2008 0901
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508010.D
Dilution: 1.0 | Initial Weight/Volume: 5.02 g
Date Analyzed: 02/15/2008 1614 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		ND		14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.70	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	10
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		0.95	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	10
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	10
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.2	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	10
Dichlorodifluoromethane		ND		0.87	10
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.51	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		ND		1.3	10

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2 | Date Sampled: 02/14/2008 0901
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-31977		Instrument ID:	Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-31939		Lab File ID:	021508010.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Date Analyzed:	02/15/2008 1614			Final Weight/Volume:	10 mL
Date Prepared:	02/15/2008 1249				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		4.9	J	0.71	10
N-Propylbenzene		ND		0.57	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.6	10
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	50 - 138
1,2-Dichloroethane-d4 (Surr)	101	66 - 127
Toluene-d8 (Surr)	93	51 - 129

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-W**

Lab Sample ID: 720-13041-3 | Date Sampled: 02/14/2008 0940
Client Matrix: Water | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31984 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/18/2008 2308 | Final Weight/Volume: 40 mL
Date Prepared: 02/18/2008 2308

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	ND		7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.24	J B	0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	ND		0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	ND		0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.042	J	0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	ND		0.048	5.0

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB01-W

Lab Sample ID: 720-13041-3
Client Matrix: Water

Date Sampled: 02/14/2008 0940
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 2308
Date Prepared: 02/18/2008 2308

Analysis Batch: 720-31984

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	ND		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	0.062	J	0.059	0.50
Toluene	0.27	J	0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.042	J	0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	114	71 - 139
1,2-Dichloroethane-d4 (Surr)	109	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-W**

Lab Sample ID: 720-13041-3
Client Matrix: Water

Date Sampled: 02/14/2008 0940
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1820
Date Prepared: 02/18/2008 1820

Analysis Batch: 720-31985

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	73 - 130
Toluene-d8 (Surr)	97	77 - 121

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-10**

Lab Sample ID: 720-13041-4
Client Matrix: Solid

Date Sampled: 02/14/2008 1000
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2254
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 1.16 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		5.3		1.1

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	87	60 - 140

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB02-10

Lab Sample ID: 720-13041-4 Date Sampled: 02/14/2008 1000
Client Matrix: Solid Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31977 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-31939 Lab File ID: 021508020.D
Dilution: 1.0 Initial Weight/Volume: 5.04 g
Date Analyzed: 02/15/2008 2148 Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		31	J	14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		21		0.49	5.0
sec-Butylbenzene		4.2	J	0.56	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		ND		0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		0.99	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.1	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		4.9	J	0.58	5.0
Methylene Chloride		1.8	J B	1.3	9.9

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-10**

Lab Sample ID: 720-13041-4 | Date Sampled: 02/14/2008 1000
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-31977	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-31939	Lab File ID: 021508020.D
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	02/15/2008 2148		Final Weight/Volume: 10 mL
Date Prepared:	02/15/2008 1249		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	50
Naphthalene		17		0.71	9.9
N-Propylbenzene		0.57	J	0.56	5.0
Styrene		ND		0.50	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.5	5.0
Tetrachloroethene		ND		0.99	5.0
Toluene		ND		0.93	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		10		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.7	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	50 - 138
1,2-Dichloroethane-d4 (Surr)	103	66 - 127
Toluene-d8 (Surr)	103	51 - 129

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-25**

Lab Sample ID: 720-13041-5
Client Matrix: Solid

Date Sampled: 02/14/2008 1035
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2035
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.20 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	99	70 - 130
1,2-Dichloroethane-d4 (Surr)	85	60 - 140

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-25**

Lab Sample ID: 720-13041-5 | Date Sampled: 02/14/2008 1035
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508012.D
Dilution: 1.0 | Initial Weight/Volume: 5.03 g
Date Analyzed: 02/15/2008 1705 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		ND		14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		1.2	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		ND		1.3	9.9

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-25

Lab Sample ID: 720-13041-5
Client Matrix: Solid

Date Sampled: 02/14/2008 1035
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 1705
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939

Instrument ID: Agilent 75MSD
Lab File ID: 021508012.D
Initial Weight/Volume: 5.03 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		5.3	J	0.71	9.9
N-Propylbenzene		ND		0.56	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	50 - 138
1,2-Dichloroethane-d4 (Surr)	101	66 - 127
Toluene-d8 (Surr)	92	51 - 129

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-W**

Lab Sample ID: 720-13041-6 | Date Sampled: 02/14/2008 1110
Client Matrix: Water | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31984 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/18/2008 2341 | Final Weight/Volume: 40 mL
Date Prepared: 02/18/2008 2341

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.17	J	0.067	5.0
Acetone	ND		7.4	50
Benzene	0.048	J	0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.20	J B	0.019	1.0
2-Butanone (MEK)	0.87	J	0.55	50
n-Butylbenzene	0.47	J	0.038	1.0
sec-Butylbenzene	0.19	J	0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	0.18	J	0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.048	J	0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	0.26	J	0.18	1.0
Methylene Chloride	0.058	J B	0.048	5.0

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-W

Lab Sample ID: 720-13041-6
Client Matrix: Water

Date Sampled: 02/14/2008 1110
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 2341
Date Prepared: 02/18/2008 2341

Analysis Batch: 720-31984

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	0.39	J	0.096	1.0
N-Propylbenzene	0.056	J	0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	0.068	J	0.059	0.50
Toluene	0.35	J	0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.83		0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	110	71 - 139
1,2-Dichloroethane-d4 (Surr)	113	62 - 118
Toluene-d8 (Surr)	106	73 - 117

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-W

Lab Sample ID: 720-13041-6
Client Matrix: Water

Date Sampled: 02/14/2008 1110
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1846
Date Prepared: 02/18/2008 1846

Analysis Batch: 720-31985

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	71		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	73 - 130
Toluene-d8 (Surr)	95	77 - 121

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7
Client Matrix: Solid

Date Sampled: 02/14/2008 1130
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2208
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.03 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	89	70 - 130
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7 | Date Sampled: 02/14/2008 1130
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508013.D
Dilution: 1.0 | Initial Weight/Volume: 5.08 g
Date Analyzed: 02/15/2008 1853 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	4.9
Acetone		ND		14	49
Benzene		ND		0.75	4.9
Dichlorobromomethane		ND		0.69	4.9
Bromobenzene		ND		0.90	4.9
Chlorobromomethane		ND		2.6	20
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.8
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.49	4.9
sec-Butylbenzene		ND		0.56	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		ND		0.72	4.9
Carbon tetrachloride		ND		0.84	4.9
Chlorobenzene		ND		0.66	4.9
Chloroethane		ND		1.0	9.8
Chloroform		ND		0.96	4.9
Chloromethane		ND		0.84	9.8
2-Chlorotoluene		ND		0.75	4.9
4-Chlorotoluene		ND		0.41	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.82	4.9
1,3-Dichlorobenzene		ND		0.36	4.9
1,4-Dichlorobenzene		ND		0.87	4.9
1,3-Dichloropropane		ND		0.99	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.1	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.8
Dichlorodifluoromethane		ND		0.86	9.8
1,1-Dichloroethane		ND		2.5	4.9
1,2-Dichloroethane		ND		0.90	4.9
1,1-Dichloroethene		ND		0.72	4.9
cis-1,2-Dichloroethene		ND		0.95	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.66	4.9
trans-1,3-Dichloropropene		ND		0.82	4.9
Ethylbenzene		ND		0.50	4.9
Hexachlorobutadiene		ND		0.94	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.40	4.9
4-Isopropyltoluene		ND		0.58	4.9
Methylene Chloride		1.6	J B	1.3	9.8

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7 | Date Sampled: 02/14/2008 1130
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508013.D
Dilution: 1.0 | Initial Weight/Volume: 5.08 g
Date Analyzed: 02/15/2008 1853 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		5.0	J	0.70	9.8
N-Propylbenzene		ND		0.56	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.99	4.9
Toluene		ND		0.93	4.9
1,2,3-Trichlorobenzene		ND		0.76	4.9
1,2,4-Trichlorobenzene		ND		0.42	4.9
1,1,1-Trichloroethane		ND		1.0	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.88	4.9
Trichlorofluoromethane		ND		0.76	4.9
1,2,3-Trichloropropane		ND		0.95	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.9
1,2,4-Trimethylbenzene		ND		0.63	4.9
1,3,5-Trimethylbenzene		ND		0.58	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.74	4.9
Xylenes, Total		ND		1.5	9.8
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	85	50 - 138
1,2-Dichloroethane-d4 (Surr)	102	66 - 127
Toluene-d8 (Surr)	91	51 - 129

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-20**

Lab Sample ID: 720-13041-8
Client Matrix: Solid

Date Sampled: 02/14/2008 1145
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2058
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.01 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	82	60 - 140

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-20**

Lab Sample ID: 720-13041-8 | Date Sampled: 02/14/2008 1145
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508014.D
Dilution: 1.0 | Initial Weight/Volume: 5.03 g
Date Analyzed: 02/15/2008 1918 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.2	5.0
Acetone		ND		14	50
Benzene		ND		0.75	5.0
Dichlorobromomethane		ND		0.69	5.0
Bromobenzene		ND		0.91	5.0
Chlorobromomethane		ND		2.6	20
Bromoform		ND		4.0	5.0
Bromomethane		ND		1.9	9.9
2-Butanone (MEK)		ND		29	50
n-Butylbenzene		ND		0.49	5.0
sec-Butylbenzene		ND		0.57	5.0
tert-Butylbenzene		ND		0.31	5.0
Carbon disulfide		1.4	J	0.73	5.0
Carbon tetrachloride		ND		0.85	5.0
Chlorobenzene		ND		0.67	5.0
Chloroethane		ND		1.1	9.9
Chloroform		ND		0.97	5.0
Chloromethane		ND		0.85	9.9
2-Chlorotoluene		ND		0.76	5.0
4-Chlorotoluene		ND		0.41	5.0
Chlorodibromomethane		ND		1.1	5.0
1,2-Dichlorobenzene		ND		0.83	5.0
1,3-Dichlorobenzene		ND		0.36	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
1,3-Dichloropropane		ND		1.0	5.0
1,1-Dichloropropene		ND		1.2	5.0
1,2-Dibromo-3-Chloropropane		ND		6.1	50
Ethylene Dibromide		ND		1.4	5.0
Dibromomethane		ND		1.5	9.9
Dichlorodifluoromethane		ND		0.86	9.9
1,1-Dichloroethane		ND		2.5	5.0
1,2-Dichloroethane		ND		0.91	5.0
1,1-Dichloroethene		ND		0.73	5.0
cis-1,2-Dichloroethene		ND		0.96	5.0
trans-1,2-Dichloroethene		ND		1.8	5.0
1,2-Dichloropropane		ND		1.2	5.0
cis-1,3-Dichloropropene		ND		0.66	5.0
trans-1,3-Dichloropropene		ND		0.83	5.0
Ethylbenzene		ND		0.50	5.0
Hexachlorobutadiene		ND		0.95	5.0
2-Hexanone		ND		2.0	50
Isopropylbenzene		ND		0.41	5.0
4-Isopropyltoluene		ND		0.58	5.0
Methylene Chloride		ND		1.3	9.9

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-20**

Lab Sample ID: 720-13041-8 | Date Sampled: 02/14/2008 1145
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-31977	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-31939	Lab File ID: 021508014.D
Dilution:	1.0		Initial Weight/Volume: 5.03 g
Date Analyzed:	02/15/2008 1918		Final Weight/Volume: 10 mL
Date Prepared:	02/15/2008 1249		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		18	50
Naphthalene		4.9	J	0.71	9.9
N-Propylbenzene		ND		0.56	5.0
Styrene		ND		0.51	5.0
1,1,1,2-Tetrachloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		1.6	5.0
Tetrachloroethene		ND		1.0	5.0
Toluene		ND		0.94	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.42	5.0
1,1,1-Trichloroethane		ND		1.0	5.0
1,1,2-Trichloroethane		ND		1.3	5.0
Trichloroethene		ND		0.89	5.0
Trichlorofluoromethane		ND		0.77	5.0
1,2,3-Trichloropropane		ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.1	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
Vinyl acetate		ND		1.8	50
Vinyl chloride		ND		0.75	5.0
Xylenes, Total		ND		1.5	9.9
2,2-Dichloropropane		ND		1.5	5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	50 - 138
1,2-Dichloroethane-d4 (Surr)	100	66 - 127
Toluene-d8 (Surr)	94	51 - 129

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB20-W**

Lab Sample ID: 720-13041-9 | Date Sampled: 02/14/2008 1200
Client Matrix: Water | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31984 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/19/2008 0015 | Final Weight/Volume: 40 mL
Date Prepared: 02/19/2008 0015

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	ND		7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.18	J B	0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	0.42	J	0.038	1.0
sec-Butylbenzene	0.48	J	0.038	1.0
tert-Butylbenzene	0.077	J	0.045	1.0
Carbon disulfide	ND		0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.043	J	0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	ND		0.048	5.0

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB20-W

Lab Sample ID: 720-13041-9 Date Sampled: 02/14/2008 1200
Client Matrix: Water Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31984 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/19/2008 0015 Final Weight/Volume: 40 mL
Date Prepared: 02/19/2008 0015

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	0.21	J	0.096	1.0
N-Propylbenzene	0.062	J	0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	ND		0.059	0.50
Toluene	0.19	J	0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.071	J	0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	109	62 - 118
Toluene-d8 (Surr)	106	73 - 117

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB20-W

Lab Sample ID: 720-13041-9
Client Matrix: Water

Date Sampled: 02/14/2008 1200
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1913
Date Prepared: 02/18/2008 1913

Analysis Batch: 720-31985

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	71		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	73 - 130
Toluene-d8 (Surr)	99	77 - 121

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB03-W

Lab Sample ID: 720-13041-10 Date Sampled: 02/14/2008 1300
Client Matrix: Water Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-32033 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 02/19/2008 1617 Final Weight/Volume: 40 mL
Date Prepared: 02/19/2008 1617

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	ND		7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.21	J B	0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	0.54	J	0.038	1.0
sec-Butylbenzene	0.59	J	0.038	1.0
tert-Butylbenzene	0.092	J	0.045	1.0
Carbon disulfide	0.081	J	0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.058	J	0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	ND		0.048	5.0

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-W**

Lab Sample ID: 720-13041-10 | Date Sampled: 02/14/2008 1300
Client Matrix: Water | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32033 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/19/2008 1617 | Final Weight/Volume: 40 mL
Date Prepared: 02/19/2008 1617

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	0.28	J	0.096	1.0
N-Propylbenzene	0.068	J	0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	ND		0.059	0.50
Toluene	0.22	J	0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.066	J	0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	109	62 - 118
Toluene-d8 (Surr)	104	73 - 117

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-W**

Lab Sample ID: 720-13041-10
Client Matrix: Water

Date Sampled: 02/14/2008 1300
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 1940
Date Prepared: 02/18/2008 1940

Analysis Batch: 720-31985

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	79		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	73 - 130
Toluene-d8 (Surr)	97	77 - 121

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-10**

Lab Sample ID: 720-13041-11
Client Matrix: Solid

Date Sampled: 02/14/2008 1445
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2144
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.30 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	94	70 - 130
1,2-Dichloroethane-d4 (Surr)	87	60 - 140

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB05-10**

Lab Sample ID: 720-13041-11 | Date Sampled: 02/14/2008 1445
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508015.D
Dilution: 1.0 | Initial Weight/Volume: 5.14 g
Date Analyzed: 02/15/2008 1943 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.9
Acetone		ND		13	49
Benzene		ND		0.74	4.9
Dichlorobromomethane		ND		0.68	4.9
Bromobenzene		ND		0.89	4.9
Chlorobromomethane		ND		2.6	19
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.7
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.48	4.9
sec-Butylbenzene		ND		0.55	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		ND		0.71	4.9
Carbon tetrachloride		ND		0.83	4.9
Chlorobenzene		ND		0.66	4.9
Chloroethane		ND		1.0	9.7
Chloroform		ND		0.95	4.9
Chloromethane		ND		0.83	9.7
2-Chlorotoluene		ND		0.75	4.9
4-Chlorotoluene		ND		0.40	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.82	4.9
1,3-Dichlorobenzene		ND		0.35	4.9
1,4-Dichlorobenzene		ND		0.86	4.9
1,3-Dichloropropane		ND		0.97	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.0	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.7
Dichlorodifluoromethane		ND		0.85	9.7
1,1-Dichloroethane		ND		2.4	4.9
1,2-Dichloroethane		ND		0.89	4.9
1,1-Dichloroethene		ND		0.71	4.9
cis-1,2-Dichloroethene		ND		0.94	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.65	4.9
trans-1,3-Dichloropropene		ND		0.81	4.9
Ethylbenzene		ND		0.49	4.9
Hexachlorobutadiene		ND		0.93	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.40	4.9
4-Isopropyltoluene		ND		0.57	4.9
Methylene Chloride		ND		1.3	9.7

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB05-10**

Lab Sample ID: 720-13041-11 | Date Sampled: 02/14/2008 1445
Client Matrix: Solid | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31977 | Instrument ID: Agilent 75MSD
Preparation: 5030B | Prep Batch: 720-31939 | Lab File ID: 021508015.D
Dilution: 1.0 | Initial Weight/Volume: 5.14 g
Date Analyzed: 02/15/2008 1943 | Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		ND		0.69	9.7
N-Propylbenzene		ND		0.55	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.97	4.9
Toluene		ND		0.92	4.9
1,2,3-Trichlorobenzene		ND		0.75	4.9
1,2,4-Trichlorobenzene		ND		0.41	4.9
1,1,1-Trichloroethane		ND		0.99	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.87	4.9
Trichlorofluoromethane		ND		0.76	4.9
1,2,3-Trichloropropane		ND		0.94	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.9
1,2,4-Trimethylbenzene		ND		0.63	4.9
1,3,5-Trimethylbenzene		ND		0.57	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.74	4.9
Xylenes, Total		ND		1.5	9.7
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	50 - 138
1,2-Dichloroethane-d4 (Surr)	104	66 - 127
Toluene-d8 (Surr)	95	51 - 129

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-20**

Lab Sample ID: 720-13041-12
Client Matrix: Solid

Date Sampled: 02/14/2008 1500
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 1817
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.53 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	88	70 - 130
1,2-Dichloroethane-d4 (Surr)	82	60 - 140

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB05-20

Lab Sample ID: 720-13041-12 Date Sampled: 02/14/2008 1500
Client Matrix: Solid Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-31977 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-31939 Lab File ID: 021508016.D
Dilution: 1.0 Initial Weight/Volume: 5.13 g
Date Analyzed: 02/15/2008 2008 Final Weight/Volume: 10 mL
Date Prepared: 02/15/2008 1249

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		ND		2.1	4.9
Acetone		ND		13	49
Benzene		ND		0.74	4.9
Dichlorobromomethane		ND		0.68	4.9
Bromobenzene		ND		0.89	4.9
Chlorobromomethane		ND		2.6	19
Bromoform		ND		3.9	4.9
Bromomethane		ND		1.9	9.7
2-Butanone (MEK)		ND		29	49
n-Butylbenzene		ND		0.48	4.9
sec-Butylbenzene		ND		0.55	4.9
tert-Butylbenzene		ND		0.31	4.9
Carbon disulfide		0.72	J	0.71	4.9
Carbon tetrachloride		ND		0.83	4.9
Chlorobenzene		ND		0.66	4.9
Chloroethane		ND		1.0	9.7
Chloroform		ND		0.95	4.9
Chloromethane		ND		0.84	9.7
2-Chlorotoluene		ND		0.75	4.9
4-Chlorotoluene		ND		0.40	4.9
Chlorodibromomethane		ND		1.1	4.9
1,2-Dichlorobenzene		ND		0.82	4.9
1,3-Dichlorobenzene		ND		0.35	4.9
1,4-Dichlorobenzene		ND		0.86	4.9
1,3-Dichloropropane		ND		0.98	4.9
1,1-Dichloropropene		ND		1.1	4.9
1,2-Dibromo-3-Chloropropane		ND		6.0	49
Ethylene Dibromide		ND		1.4	4.9
Dibromomethane		ND		1.5	9.7
Dichlorodifluoromethane		ND		0.85	9.7
1,1-Dichloroethane		ND		2.4	4.9
1,2-Dichloroethane		ND		0.89	4.9
1,1-Dichloroethene		ND		0.71	4.9
cis-1,2-Dichloroethene		ND		0.94	4.9
trans-1,2-Dichloroethene		ND		1.8	4.9
1,2-Dichloropropane		ND		1.1	4.9
cis-1,3-Dichloropropene		ND		0.65	4.9
trans-1,3-Dichloropropene		ND		0.81	4.9
Ethylbenzene		ND		0.50	4.9
Hexachlorobutadiene		ND		0.93	4.9
2-Hexanone		ND		2.0	49
Isopropylbenzene		ND		0.40	4.9
4-Isopropyltoluene		ND		0.57	4.9
Methylene Chloride		ND		1.3	9.7

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-20**

Lab Sample ID: 720-13041-12
Client Matrix: Solid

Date Sampled: 02/14/2008 1500
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/15/2008 2008
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939

Instrument ID: Agilent 75MSD
Lab File ID: 021508016.D
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)		ND		17	49
Naphthalene		ND		0.70	9.7
N-Propylbenzene		ND		0.55	4.9
Styrene		ND		0.50	4.9
1,1,1,2-Tetrachloroethane		ND		0.49	4.9
1,1,2,2-Tetrachloroethane		ND		1.5	4.9
Tetrachloroethene		ND		0.98	4.9
Toluene		ND		0.92	4.9
1,2,3-Trichlorobenzene		ND		0.75	4.9
1,2,4-Trichlorobenzene		ND		0.41	4.9
1,1,1-Trichloroethane		ND		0.99	4.9
1,1,2-Trichloroethane		ND		1.3	4.9
Trichloroethene		ND		0.88	4.9
Trichlorofluoromethane		ND		0.76	4.9
1,2,3-Trichloropropane		ND		0.94	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	4.9
1,2,4-Trimethylbenzene		ND		0.63	4.9
1,3,5-Trimethylbenzene		ND		0.58	4.9
Vinyl acetate		ND		1.7	49
Vinyl chloride		ND		0.74	4.9
Xylenes, Total		ND		1.5	9.7
2,2-Dichloropropane		ND		1.5	4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	106	50 - 138
1,2-Dichloroethane-d4 (Surr)	100	66 - 127
Toluene-d8 (Surr)	97	51 - 129

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB05-W**

Lab Sample ID: 720-13041-13 | Date Sampled: 02/14/2008 1530
Client Matrix: Water | Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32033 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/19/2008 1650 | Final Weight/Volume: 40 mL
Date Prepared: 02/19/2008 1650

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.14	J	0.067	5.0
Acetone	9.3	J	7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.19	J B	0.019	1.0
2-Butanone (MEK)	2.1	J B	0.55	50
n-Butylbenzene	ND		0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	0.17	J	0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	0.078	J	0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	ND		0.048	5.0

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB05-W

Lab Sample ID: 720-13041-13
Client Matrix: Water

Date Sampled: 02/14/2008 1530
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/19/2008 1650
Date Prepared: 02/19/2008 1650

Analysis Batch: 720-32033

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	ND		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	ND		0.059	0.50
Toluene	0.23	J	0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	0.036	J	0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	117		71 - 139
1,2-Dichloroethane-d4 (Surr)	125	X	62 - 118
Toluene-d8 (Surr)	108		73 - 117

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-W**

Lab Sample ID: 720-13041-13
Client Matrix: Water

Date Sampled: 02/14/2008 1530
Date Received: 02/14/2008 1710

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/18/2008 2007
Date Prepared: 02/18/2008 2007

Analysis Batch: 720-31985

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	73 - 130
Toluene-d8 (Surr)	95	77 - 121

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-10**

Lab Sample ID: 720-13041-1 | Date Sampled: 02/14/2008 0830
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32121 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 | Initial Weight/Volume: 30.33 g
Date Analyzed: 02/18/2008 1804 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0079	0.066
Bis(2-chloroethyl)ether		ND		0.0056	0.066
2-Chlorophenol		ND		0.0022	0.066
1,3-Dichlorobenzene		ND		0.0057	0.066
1,4-Dichlorobenzene		ND		0.0083	0.066
Benzyl alcohol		ND		0.0063	0.17
1,2-Dichlorobenzene		ND		0.0055	0.066
2-Methylphenol		ND		0.0039	0.066
4-Methylphenol		ND		0.0075	0.066
N-Nitrosodi-n-propylamine		ND		0.0045	0.066
Hexachloroethane		ND		0.0059	0.066
Nitrobenzene		ND		0.0066	0.066
Isophorone		ND		0.0045	0.066
2-Nitrophenol		ND		0.0046	0.066
2,4-Dimethylphenol		ND		0.0055	0.066
Bis(2-chloroethoxy)methane		ND		0.0050	0.17
2,4-Dichlorophenol		ND		0.0068	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.066
Naphthalene		ND		0.0053	0.066
4-Chloroaniline		ND		0.0012	0.066
Hexachlorobutadiene		ND		0.0045	0.066
4-Chloro-3-methylphenol		ND		0.0070	0.17
2-Methylnaphthalene		ND		0.0061	0.066
Hexachlorocyclopentadiene		ND		0.0084	0.17
2,4,6-Trichlorophenol		ND		0.0082	0.066
2,4,5-Trichlorophenol		ND		0.0080	0.066
2-Chloronaphthalene		ND		0.0048	0.066
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		0.014	J	0.0046	0.17
Acenaphthylene		ND		0.0067	0.066
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.066
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0078	0.33
Dibenzofuran		ND		0.0057	0.066
2,4-Dinitrotoluene		ND		0.010	0.066
2,6-Dinitrotoluene		ND		0.0068	0.066
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0062	0.17
Fluorene		ND	*	0.0050	0.066
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0049	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.066
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB01-10

Lab Sample ID: 720-13041-1 Date Sampled: 02/14/2008 0830
Client Matrix: Solid Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32121 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-31961 Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 Initial Weight/Volume: 30.33 g
Date Analyzed: 02/18/2008 1804 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0076	0.066
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0057	0.066
Anthracene		ND		0.0032	0.066
Di-n-butyl phthalate		ND		0.0057	0.17
Fluoranthene		ND		0.0037	0.066
Pyrene		ND		0.0038	0.066
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.030	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.070	J	0.0099	0.33
Chrysene		ND		0.0042	0.066
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		ND		0.0043	0.066
Benzo[a]pyrene		ND		0.0032	0.066
Benzo[k]fluoranthene		ND		0.0074	0.066
Indeno[1,2,3-cd]pyrene		ND		0.0061	0.066
Benzo[g,h,i]perylene		ND		0.0048	0.066
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.066
Dibenz(a,h)anthracene		ND		0.0061	0.066

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	33	23 - 120
2-Fluorobiphenyl	42	30 - 115
Terphenyl-d14	57	18 - 137
2-Fluorophenol	38	25 - 121
Phenol-d5	37	24 - 113
2,4,6-Tribromophenol	46	19 - 122

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2 | Date Sampled: 02/14/2008 0901
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32121 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 | Initial Weight/Volume: 30.17 g
Date Analyzed: 02/18/2008 1838 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND	*	0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2 | Date Sampled: 02/14/2008 0901
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\720-
Dilution:	1.0		Initial Weight/Volume: 30.17 g
Date Analyzed:	02/18/2008 1838		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.016	J	0.0099	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	35	23 - 120
2-Fluorobiphenyl	42	30 - 115
Terphenyl-d14	52	18 - 137
2-Fluorophenol	38	25 - 121
Phenol-d5	36	24 - 113
2,4,6-Tribromophenol	52	19 - 122

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB01-W

Lab Sample ID: 720-13041-3 Date Sampled: 02/14/2008 0940
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1603 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	ND		0.19	2.1
Bis(2-chloroethyl)ether	ND		0.29	2.1
2-Chlorophenol	ND		0.31	2.1
1,3-Dichlorobenzene	ND		0.41	2.1
1,4-Dichlorobenzene	ND		0.30	2.1
Benzyl alcohol	ND		0.44	5.2
1,2-Dichlorobenzene	ND		0.59	2.1
2-Methylphenol	ND		0.40	2.1
4-Methylphenol	ND		0.47	2.1
N-Nitrosodi-n-propylamine	ND		0.49	2.1
Hexachloroethane	ND		0.42	2.1
Nitrobenzene	ND		0.51	2.1
Isophorone	ND		0.45	2.1
2-Nitrophenol	ND		0.36	2.1
2,4-Dimethylphenol	ND		0.33	2.1
Bis(2-chloroethoxy)methane	ND		0.39	5.2
2,4-Dichlorophenol	ND		0.51	5.2
1,2,4-Trichlorobenzene	ND		0.27	2.1
Naphthalene	ND		0.38	2.1
4-Chloroaniline	ND		0.12	2.1
Hexachlorobutadiene	ND		0.57	2.1
4-Chloro-3-methylphenol	ND		0.29	5.2
2-Methylnaphthalene	ND		0.31	2.1
Hexachlorocyclopentadiene	ND		0.32	5.2
2,4,6-Trichlorophenol	ND		0.33	2.1
2,4,5-Trichlorophenol	ND		0.35	2.1
2-Chloronaphthalene	ND		0.49	2.1
2-Nitroaniline	ND		0.30	10
Dimethyl phthalate	ND		0.28	5.2
Acenaphthylene	ND		0.30	2.1
3-Nitroaniline	ND		0.49	5.2
Acenaphthene	ND		0.33	2.1
2,4-Dinitrophenol	ND		0.19	10
4-Nitrophenol	ND		0.14	10
Dibenzofuran	ND		0.15	2.1
2,4-Dinitrotoluene	ND		0.18	2.1
2,6-Dinitrotoluene	ND		0.46	5.2
Diethyl phthalate	1.1	J	0.24	5.2
4-Chlorophenyl phenyl ether	ND		0.39	5.2
Fluorene	ND		0.22	2.1
4-Nitroaniline	ND		0.28	10
2-Methyl-4,6-dinitrophenol	ND		0.34	10
N-Nitrosodiphenylamine	ND		0.25	2.1
4-Bromophenyl phenyl ether	ND		0.24	5.2

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB01-W

Lab Sample ID: 720-13041-3 Date Sampled: 02/14/2008 0940
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1603 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.38	2.1
Pentachlorophenol	ND		0.42	10
Phenanthrene	ND		0.30	2.1
Anthracene	ND		0.27	2.1
Di-n-butyl phthalate	ND		0.39	5.2
Fluoranthene	ND		0.20	2.1
Pyrene	ND		0.16	2.1
Butyl benzyl phthalate	ND		0.24	5.2
3,3'-Dichlorobenzidine	ND		0.47	5.2
Benzo[a]anthracene	ND		0.72	5.2
Bis(2-ethylhexyl) phthalate	ND		5.3	10
Chrysene	ND		0.20	2.1
Di-n-octyl phthalate	ND		2.0	21
Benzo[b]fluoranthene	ND		0.34	2.1
Benzo[a]pyrene	ND		0.22	2.1
Benzo[k]fluoranthene	ND		0.42	2.1
Indeno[1,2,3-cd]pyrene	ND		0.41	2.1
Benzo[g,h,i]perylene	ND		0.48	2.1
Benzoic acid	2.4	J	0.59	10
Azobenzene	ND		0.36	2.1
Dibenz(a,h)anthracene	ND		0.52	2.1

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	26	6 - 98
2-Fluorobiphenyl	29	6 - 103
Terphenyl-d14	54	36 - 106
2-Fluorophenol	17	1 - 66
Phenol-d5	9	1 - 47
2,4,6-Tribromophenol	53	22 - 124

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-10**

Lab Sample ID: 720-13041-4 | Date Sampled: 02/14/2008 1000
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32122 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\022008\720-
Dilution: 50 | Initial Weight/Volume: 30.21 g
Date Analyzed: 02/20/2008 2252 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.40	3.3
Bis(2-chloroethyl)ether		ND		0.28	3.3
2-Chlorophenol		ND		0.11	3.3
1,3-Dichlorobenzene		ND		0.29	3.3
1,4-Dichlorobenzene		ND		0.42	3.3
Benzyl alcohol		ND		0.32	8.4
1,2-Dichlorobenzene		ND		0.28	3.3
2-Methylphenol		ND		0.19	3.3
4-Methylphenol		ND		0.38	3.3
N-Nitrosodi-n-propylamine		ND		0.22	3.3
Hexachloroethane		ND		0.30	3.3
Nitrobenzene		ND		0.33	3.3
Isophorone		ND		0.22	3.3
2-Nitrophenol		ND		0.23	3.3
2,4-Dimethylphenol		ND		0.28	3.3
Bis(2-chloroethoxy)methane		ND		0.25	8.4
2,4-Dichlorophenol		ND		0.34	16
1,2,4-Trichlorobenzene		ND		0.22	3.3
Naphthalene		ND		0.27	3.3
4-Chloroaniline		ND		0.060	3.3
Hexachlorobutadiene		ND		0.23	3.3
4-Chloro-3-methylphenol		ND		0.35	8.4
2-Methylnaphthalene		1.5	J	0.31	3.3
Hexachlorocyclopentadiene		ND		0.42	8.4
2,4,6-Trichlorophenol		ND		0.41	3.3
2,4,5-Trichlorophenol		ND		0.40	3.3
2-Chloronaphthalene		ND		0.24	3.3
2-Nitroaniline		ND		1.3	16
Dimethyl phthalate		ND		0.23	8.4
Acenaphthylene		ND		0.34	3.3
3-Nitroaniline		ND		1.9	8.4
Acenaphthene		ND		0.14	3.3
2,4-Dinitrophenol		ND		1.1	16
4-Nitrophenol		ND		0.39	16
Dibenzofuran		ND		0.29	3.3
2,4-Dinitrotoluene		ND		0.50	3.3
2,6-Dinitrotoluene		ND		0.34	3.3
Diethyl phthalate		ND		2.2	8.4
4-Chlorophenyl phenyl ether		ND		0.31	8.4
Fluorene		0.60	J *	0.25	3.3
4-Nitroaniline		ND		0.15	16
2-Methyl-4,6-dinitrophenol		ND		0.25	16
N-Nitrosodiphenylamine		ND		0.16	3.3
4-Bromophenyl phenyl ether		ND		0.20	8.4

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-10**

Lab Sample ID: 720-13041-4 | Date Sampled: 02/14/2008 1000
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-31961	Lab File ID: d:\data\200802\022008\720-
Dilution:	50		Initial Weight/Volume: 30.21 g
Date Analyzed:	02/20/2008 2252		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.38	3.3
Pentachlorophenol		ND		1.5	16
Phenanthrene		0.76	J	0.29	3.3
Anthracene		ND		0.16	3.3
Di-n-butyl phthalate		ND		0.29	8.4
Fluoranthene		ND		0.18	3.3
Pyrene		ND		0.19	3.3
Butyl benzyl phthalate		ND		0.19	8.4
3,3'-Dichlorobenzidine		ND		1.5	8.4
Benzo[a]anthracene		ND		0.60	16
Bis(2-ethylhexyl) phthalate		ND		0.50	16
Chrysene		ND		0.21	3.3
Di-n-octyl phthalate		ND		1.6	50
Benzo[b]fluoranthene		ND		0.21	3.3
Benzo[a]pyrene		ND		0.16	3.3
Benzo[k]fluoranthene		ND		0.37	3.3
Indeno[1,2,3-cd]pyrene		ND		0.31	3.3
Benzo[g,h,i]perylene		ND		0.24	3.3
Benzoic acid		ND		0.96	16
Azobenzene		ND		0.18	3.3
Dibenz(a,h)anthracene		ND		0.31	3.3

Surrogate	%Rec		Acceptance Limits
Nitrobenzene-d5	0	X	23 - 120
2-Fluorobiphenyl	82		30 - 115
Terphenyl-d14	72		18 - 137
2-Fluorophenol	0	X	25 - 121
Phenol-d5	38		24 - 113
2,4,6-Tribromophenol	0	X	19 - 122

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-25**

Lab Sample ID: 720-13041-5 | Date Sampled: 02/14/2008 1035
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32121 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 | Initial Weight/Volume: 30.28 g
Date Analyzed: 02/18/2008 1943 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0079	0.066
Bis(2-chloroethyl)ether		ND		0.0056	0.066
2-Chlorophenol		ND		0.0022	0.066
1,3-Dichlorobenzene		ND		0.0057	0.066
1,4-Dichlorobenzene		ND		0.0083	0.066
Benzyl alcohol		ND		0.0063	0.17
1,2-Dichlorobenzene		ND		0.0055	0.066
2-Methylphenol		ND		0.0039	0.066
4-Methylphenol		ND		0.0075	0.066
N-Nitrosodi-n-propylamine		ND		0.0045	0.066
Hexachloroethane		ND		0.0059	0.066
Nitrobenzene		ND		0.0066	0.066
Isophorone		ND		0.0045	0.066
2-Nitrophenol		ND		0.0047	0.066
2,4-Dimethylphenol		ND		0.0055	0.066
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0068	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.066
Naphthalene		ND		0.0054	0.066
4-Chloroaniline		ND		0.0012	0.066
Hexachlorobutadiene		ND		0.0046	0.066
4-Chloro-3-methylphenol		ND		0.0070	0.17
2-Methylnaphthalene		ND		0.0061	0.066
Hexachlorocyclopentadiene		ND		0.0084	0.17
2,4,6-Trichlorophenol		ND		0.0082	0.066
2,4,5-Trichlorophenol		ND		0.0080	0.066
2-Chloronaphthalene		ND		0.0049	0.066
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0067	0.066
3-Nitroaniline		ND		0.038	0.17
Acenaphthene		ND		0.0029	0.066
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0078	0.33
Dibenzofuran		ND		0.0057	0.066
2,4-Dinitrotoluene		ND		0.010	0.066
2,6-Dinitrotoluene		ND		0.0068	0.066
Diethyl phthalate		ND		0.044	0.17
4-Chlorophenyl phenyl ether		ND		0.0062	0.17
Fluorene		ND	*	0.0051	0.066
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.066
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB02-25**

Lab Sample ID: 720-13041-5 | Date Sampled: 02/14/2008 1035
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\720-
Dilution:	1.0		Initial Weight/Volume: 30.28 g
Date Analyzed:	02/18/2008 1943		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0076	0.066
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0057	0.066
Anthracene		ND		0.0032	0.066
Di-n-butyl phthalate		ND		0.0057	0.17
Fluoranthene		ND		0.0037	0.066
Pyrene		ND		0.0038	0.066
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.030	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.0099	0.33
Chrysene		ND		0.0042	0.066
Di-n-octyl phthalate		ND		0.032	0.99
Benzo[b]fluoranthene		ND		0.0043	0.066
Benzo[a]pyrene		ND		0.0032	0.066
Benzo[k]fluoranthene		ND		0.0074	0.066
Indeno[1,2,3-cd]pyrene		ND		0.0061	0.066
Benzo[g,h,i]perylene		ND		0.0049	0.066
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.066
Dibenz(a,h)anthracene		ND		0.0061	0.066

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	37	23 - 120
2-Fluorobiphenyl	42	30 - 115
Terphenyl-d14	49	18 - 137
2-Fluorophenol	44	25 - 121
Phenol-d5	41	24 - 113
2,4,6-Tribromophenol	49	19 - 122

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB02-W

Lab Sample ID: 720-13041-6 Date Sampled: 02/14/2008 1110
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-32096 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 850 mL
Date Analyzed: 02/21/2008 1341 Final Weight/Volume: 1 mL
Date Prepared: 02/20/2008 1528 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	0.31	J	0.22	2.4
Bis(2-chloroethyl)ether	ND		0.33	2.4
2-Chlorophenol	ND		0.36	2.4
1,3-Dichlorobenzene	ND		0.46	2.4
1,4-Dichlorobenzene	ND		0.34	2.4
Benzyl alcohol	ND		0.50	5.9
1,2-Dichlorobenzene	ND		0.68	2.4
2-Methylphenol	ND		0.45	2.4
4-Methylphenol	ND		0.54	2.4
N-Nitrosodi-n-propylamine	ND		0.56	2.4
Hexachloroethane	ND		0.47	2.4
Nitrobenzene	ND		0.58	2.4
Isophorone	ND		0.51	2.4
2-Nitrophenol	ND		0.42	2.4
2,4-Dimethylphenol	ND		0.38	2.4
Bis(2-chloroethoxy)methane	ND		0.44	5.9
2,4-Dichlorophenol	ND		0.58	5.9
1,2,4-Trichlorobenzene	ND		0.31	2.4
Naphthalene	ND		0.43	2.4
4-Chloroaniline	ND		0.14	2.4
Hexachlorobutadiene	ND		0.65	2.4
4-Chloro-3-methylphenol	ND		0.33	5.9
2-Methylnaphthalene	0.39	J	0.35	2.4
Hexachlorocyclopentadiene	ND		0.36	5.9
2,4,6-Trichlorophenol	ND		0.38	2.4
2,4,5-Trichlorophenol	ND		0.40	2.4
2-Chloronaphthalene	ND		0.56	2.4
2-Nitroaniline	ND		0.34	12
Dimethyl phthalate	ND		0.32	5.9
Acenaphthylene	ND		0.34	2.4
3-Nitroaniline	ND		0.56	5.9
Acenaphthene	ND		0.38	2.4
2,4-Dinitrophenol	ND		0.22	12
4-Nitrophenol	ND		0.16	12
Dibenzofuran	ND		0.17	2.4
2,4-Dinitrotoluene	ND		0.21	2.4
2,6-Dinitrotoluene	ND		0.53	5.9
Diethyl phthalate	5.9	J	0.28	5.9
4-Chlorophenyl phenyl ether	ND		0.44	5.9
Fluorene	ND		0.25	2.4
4-Nitroaniline	ND		0.32	12
2-Methyl-4,6-dinitrophenol	ND		0.39	12
N-Nitrosodiphenylamine	ND		0.28	2.4
4-Bromophenyl phenyl ether	ND		0.28	5.9

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB02-W

Lab Sample ID: 720-13041-6 Date Sampled: 02/14/2008 1110
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-32096 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 850 mL
Date Analyzed: 02/21/2008 1341 Final Weight/Volume: 1 mL
Date Prepared: 02/20/2008 1528 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.43	2.4
Pentachlorophenol	ND		0.48	12
Phenanthrene	ND		0.35	2.4
Anthracene	ND		0.31	2.4
Di-n-butyl phthalate	0.54	J	0.44	5.9
Fluoranthene	ND		0.23	2.4
Pyrene	ND		0.19	2.4
Butyl benzyl phthalate	ND		0.28	5.9
3,3'-Dichlorobenzidine	ND		0.54	5.9
Benzo[a]anthracene	ND		0.83	5.9
Bis(2-ethylhexyl) phthalate	ND		6.0	12
Chrysene	ND		0.23	2.4
Di-n-octyl phthalate	ND		2.2	24
Benzo[b]fluoranthene	ND		0.39	2.4
Benzo[a]pyrene	ND		0.25	2.4
Benzo[k]fluoranthene	ND		0.47	2.4
Indeno[1,2,3-cd]pyrene	ND		0.47	2.4
Benzo[g,h,i]perylene	ND		0.54	2.4
Benzoic acid	13		0.67	12
Azobenzene	ND		0.41	2.4
Dibenz(a,h)anthracene	ND		0.60	2.4

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	69	6 - 98
2-Fluorobiphenyl	74	6 - 103
Terphenyl-d14	73	36 - 106
2-Fluorophenol	47	1 - 66
Phenol-d5	28	1 - 47
2,4,6-Tribromophenol	86	22 - 124

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7 | Date Sampled: 02/14/2008 1130
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32121 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 | Initial Weight/Volume: 30.02 g
Date Analyzed: 02/18/2008 2017 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND	*	0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7 | Date Sampled: 02/14/2008 1130
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Preparation:	3550B	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\720-
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	02/18/2008 2017		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.033	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	39	23 - 120
2-Fluorobiphenyl	42	30 - 115
Terphenyl-d14	51	18 - 137
2-Fluorophenol	44	25 - 121
Phenol-d5	41	24 - 113
2,4,6-Tribromophenol	53	19 - 122

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB03-20**

Lab Sample ID: 720-13041-8 | Date Sampled: 02/14/2008 1145
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32121 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 | Initial Weight/Volume: 30.12 g
Date Analyzed: 02/18/2008 2051 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND	*	0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB03-20

Lab Sample ID: 720-13041-8 Date Sampled: 02/14/2008 1145
Client Matrix: Solid Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32121 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-31961 Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 Initial Weight/Volume: 30.12 g
Date Analyzed: 02/18/2008 2051 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		0.0066	J	0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		0.041	J	0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.014	J	0.010	0.33
Chrysene		0.018	J	0.0042	0.067
Di-n-octyl phthalate		ND		0.032	1.0
Benzo[b]fluoranthene		0.031	J	0.0043	0.067
Benzo[a]pyrene		0.026	J	0.0032	0.067
Benzo[k]fluoranthene		0.0083	J	0.0075	0.067
Indeno[1,2,3-cd]pyrene		0.032	J	0.0062	0.067
Benzo[g,h,i]perylene		0.043	J	0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	38	23 - 120
2-Fluorobiphenyl	44	30 - 115
Terphenyl-d14	46	18 - 137
2-Fluorophenol	45	25 - 121
Phenol-d5	42	24 - 113
2,4,6-Tribromophenol	46	19 - 122

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB20-W

Lab Sample ID: 720-13041-9 Date Sampled: 02/14/2008 1200
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1712 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	ND		0.19	2.1
Bis(2-chloroethyl)ether	ND		0.29	2.1
2-Chlorophenol	ND		0.31	2.1
1,3-Dichlorobenzene	ND		0.41	2.1
1,4-Dichlorobenzene	ND		0.30	2.1
Benzyl alcohol	ND		0.44	5.2
1,2-Dichlorobenzene	ND		0.59	2.1
2-Methylphenol	ND		0.40	2.1
4-Methylphenol	ND		0.47	2.1
N-Nitrosodi-n-propylamine	ND		0.49	2.1
Hexachloroethane	ND		0.42	2.1
Nitrobenzene	ND		0.51	2.1
Isophorone	ND		0.45	2.1
2-Nitrophenol	ND		0.36	2.1
2,4-Dimethylphenol	ND		0.33	2.1
Bis(2-chloroethoxy)methane	ND		0.39	5.2
2,4-Dichlorophenol	ND		0.51	5.2
1,2,4-Trichlorobenzene	ND		0.27	2.1
Naphthalene	ND		0.38	2.1
4-Chloroaniline	ND		0.12	2.1
Hexachlorobutadiene	ND		0.57	2.1
4-Chloro-3-methylphenol	ND		0.29	5.2
2-Methylnaphthalene	ND		0.31	2.1
Hexachlorocyclopentadiene	ND		0.32	5.2
2,4,6-Trichlorophenol	ND		0.33	2.1
2,4,5-Trichlorophenol	ND		0.35	2.1
2-Chloronaphthalene	ND		0.49	2.1
2-Nitroaniline	ND		0.30	10
Dimethyl phthalate	ND		0.28	5.2
Acenaphthylene	ND		0.30	2.1
3-Nitroaniline	ND		0.49	5.2
Acenaphthene	ND		0.33	2.1
2,4-Dinitrophenol	ND		0.19	10
4-Nitrophenol	ND		0.14	10
Dibenzofuran	ND		0.15	2.1
2,4-Dinitrotoluene	ND		0.18	2.1
2,6-Dinitrotoluene	ND		0.46	5.2
Diethyl phthalate	1.1	J	0.24	5.2
4-Chlorophenyl phenyl ether	ND		0.39	5.2
Fluorene	ND		0.22	2.1
4-Nitroaniline	ND		0.28	10
2-Methyl-4,6-dinitrophenol	ND		0.34	10
N-Nitrosodiphenylamine	ND		0.25	2.1
4-Bromophenyl phenyl ether	ND		0.24	5.2

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB20-W

Lab Sample ID: 720-13041-9 Date Sampled: 02/14/2008 1200
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1712 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.38	2.1
Pentachlorophenol	ND		0.42	10
Phenanthrene	ND		0.30	2.1
Anthracene	ND		0.27	2.1
Di-n-butyl phthalate	ND		0.39	5.2
Fluoranthene	ND		0.20	2.1
Pyrene	ND		0.16	2.1
Butyl benzyl phthalate	ND		0.24	5.2
3,3'-Dichlorobenzidine	ND		0.47	5.2
Benzo[a]anthracene	ND		0.72	5.2
Bis(2-ethylhexyl) phthalate	ND		5.3	10
Chrysene	ND		0.20	2.1
Di-n-octyl phthalate	ND		2.0	21
Benzo[b]fluoranthene	ND		0.34	2.1
Benzo[a]pyrene	ND		0.22	2.1
Benzo[k]fluoranthene	ND		0.42	2.1
Indeno[1,2,3-cd]pyrene	ND		0.41	2.1
Benzo[g,h,i]perylene	ND		0.48	2.1
Benzoic acid	1.9	J	0.59	10
Azobenzene	ND		0.36	2.1
Dibenz(a,h)anthracene	ND		0.52	2.1

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	33	6 - 98
2-Fluorobiphenyl	46	6 - 103
Terphenyl-d14	66	36 - 106
2-Fluorophenol	20	1 - 66
Phenol-d5	12	1 - 47
2,4,6-Tribromophenol	65	22 - 124

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB03-W

Lab Sample ID: 720-13041-10 Date Sampled: 02/14/2008 1300
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1746 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	ND		0.19	2.1
Bis(2-chloroethyl)ether	ND		0.29	2.1
2-Chlorophenol	ND		0.31	2.1
1,3-Dichlorobenzene	ND		0.41	2.1
1,4-Dichlorobenzene	ND		0.30	2.1
Benzyl alcohol	ND		0.44	5.2
1,2-Dichlorobenzene	ND		0.59	2.1
2-Methylphenol	ND		0.40	2.1
4-Methylphenol	ND		0.47	2.1
N-Nitrosodi-n-propylamine	ND		0.49	2.1
Hexachloroethane	ND		0.42	2.1
Nitrobenzene	ND		0.51	2.1
Isophorone	ND		0.45	2.1
2-Nitrophenol	ND		0.36	2.1
2,4-Dimethylphenol	ND		0.33	2.1
Bis(2-chloroethoxy)methane	ND		0.39	5.2
2,4-Dichlorophenol	ND		0.51	5.2
1,2,4-Trichlorobenzene	ND		0.27	2.1
Naphthalene	ND		0.38	2.1
4-Chloroaniline	ND		0.12	2.1
Hexachlorobutadiene	ND		0.57	2.1
4-Chloro-3-methylphenol	ND		0.29	5.2
2-Methylnaphthalene	ND		0.31	2.1
Hexachlorocyclopentadiene	ND		0.32	5.2
2,4,6-Trichlorophenol	ND		0.33	2.1
2,4,5-Trichlorophenol	ND		0.35	2.1
2-Chloronaphthalene	ND		0.49	2.1
2-Nitroaniline	ND		0.30	10
Dimethyl phthalate	ND		0.28	5.2
Acenaphthylene	ND		0.30	2.1
3-Nitroaniline	ND		0.49	5.2
Acenaphthene	ND		0.33	2.1
2,4-Dinitrophenol	ND		0.19	10
4-Nitrophenol	ND		0.14	10
Dibenzofuran	ND		0.15	2.1
2,4-Dinitrotoluene	ND		0.18	2.1
2,6-Dinitrotoluene	ND		0.46	5.2
Diethyl phthalate	ND		0.24	5.2
4-Chlorophenyl phenyl ether	ND		0.39	5.2
Fluorene	ND		0.22	2.1
4-Nitroaniline	ND		0.28	10
2-Methyl-4,6-dinitrophenol	ND		0.34	10
N-Nitrosodiphenylamine	ND		0.25	2.1
4-Bromophenyl phenyl ether	ND		0.24	5.2

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB03-W

Lab Sample ID: 720-13041-10 Date Sampled: 02/14/2008 1300
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-31970 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 970 mL
Date Analyzed: 02/20/2008 1746 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 1228 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.38	2.1
Pentachlorophenol	ND		0.42	10
Phenanthrene	ND		0.30	2.1
Anthracene	ND		0.27	2.1
Di-n-butyl phthalate	ND		0.39	5.2
Fluoranthene	ND		0.20	2.1
Pyrene	ND		0.16	2.1
Butyl benzyl phthalate	ND		0.24	5.2
3,3'-Dichlorobenzidine	ND		0.47	5.2
Benzo[a]anthracene	ND		0.72	5.2
Bis(2-ethylhexyl) phthalate	7.7	J	5.3	10
Chrysene	ND		0.20	2.1
Di-n-octyl phthalate	ND		2.0	21
Benzo[b]fluoranthene	ND		0.34	2.1
Benzo[a]pyrene	ND		0.22	2.1
Benzo[k]fluoranthene	ND		0.42	2.1
Indeno[1,2,3-cd]pyrene	ND		0.41	2.1
Benzo[g,h,i]perylene	ND		0.48	2.1
Benzoic acid	1.9	J	0.59	10
Azobenzene	ND		0.36	2.1
Dibenz(a,h)anthracene	ND		0.52	2.1

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	27	6 - 98
2-Fluorobiphenyl	37	6 - 103
Terphenyl-d14	56	36 - 106
2-Fluorophenol	17	1 - 66
Phenol-d5	10	1 - 47
2,4,6-Tribromophenol	54	22 - 124

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB05-10**

Lab Sample ID: 720-13041-11 | Date Sampled: 02/14/2008 1445
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32122 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 | Initial Weight/Volume: 30.13 g
Date Analyzed: 02/20/2008 1529 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		ND		0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND	*	0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB05-10

Lab Sample ID: 720-13041-11 Date Sampled: 02/14/2008 1445
Client Matrix: Solid Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32122 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-31961 Lab File ID: d:\data\200802\022008\720-
Dilution: 1.0 Initial Weight/Volume: 30.13 g
Date Analyzed: 02/20/2008 1529 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		0.030	J	0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	54	23 - 120
2-Fluorobiphenyl	58	30 - 115
Terphenyl-d14	64	18 - 137
2-Fluorophenol	59	25 - 121
Phenol-d5	52	24 - 113
2,4,6-Tribromophenol	66	19 - 122

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB05-20**

Lab Sample ID: 720-13041-12 | Date Sampled: 02/14/2008 1500
Client Matrix: Solid | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C | Analysis Batch: 720-32121 | Instrument ID: Sat 2K1
Preparation: 3550B | Prep Batch: 720-31961 | Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 | Initial Weight/Volume: 30.12 g
Date Analyzed: 02/18/2008 2159 | Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 | Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Phenol		0.045	J	0.0080	0.067
Bis(2-chloroethyl)ether		ND		0.0057	0.067
2-Chlorophenol		ND		0.0022	0.067
1,3-Dichlorobenzene		ND		0.0058	0.067
1,4-Dichlorobenzene		ND		0.0084	0.067
Benzyl alcohol		ND		0.0064	0.17
1,2-Dichlorobenzene		ND		0.0056	0.067
2-Methylphenol		ND		0.0039	0.067
4-Methylphenol		ND		0.0076	0.067
N-Nitrosodi-n-propylamine		ND		0.0045	0.067
Hexachloroethane		ND		0.0060	0.067
Nitrobenzene		ND		0.0067	0.067
Isophorone		ND		0.0045	0.067
2-Nitrophenol		ND		0.0047	0.067
2,4-Dimethylphenol		ND		0.0056	0.067
Bis(2-chloroethoxy)methane		ND		0.0051	0.17
2,4-Dichlorophenol		ND		0.0069	0.33
1,2,4-Trichlorobenzene		ND		0.0045	0.067
Naphthalene		ND		0.0054	0.067
4-Chloroaniline		ND		0.0012	0.067
Hexachlorobutadiene		ND		0.0046	0.067
4-Chloro-3-methylphenol		ND		0.0071	0.17
2-Methylnaphthalene		ND		0.0062	0.067
Hexachlorocyclopentadiene		ND		0.0085	0.17
2,4,6-Trichlorophenol		ND		0.0083	0.067
2,4,5-Trichlorophenol		ND		0.0081	0.067
2-Chloronaphthalene		ND		0.0049	0.067
2-Nitroaniline		ND		0.026	0.33
Dimethyl phthalate		ND		0.0047	0.17
Acenaphthylene		ND		0.0068	0.067
3-Nitroaniline		ND		0.039	0.17
Acenaphthene		ND		0.0029	0.067
2,4-Dinitrophenol		ND		0.022	0.33
4-Nitrophenol		ND		0.0079	0.33
Dibenzofuran		ND		0.0058	0.067
2,4-Dinitrotoluene		ND		0.010	0.067
2,6-Dinitrotoluene		ND		0.0069	0.067
Diethyl phthalate		ND		0.045	0.17
4-Chlorophenyl phenyl ether		ND		0.0063	0.17
Fluorene		ND	*	0.0051	0.067
4-Nitroaniline		ND		0.0030	0.33
2-Methyl-4,6-dinitrophenol		ND		0.0050	0.33
N-Nitrosodiphenylamine		ND		0.0032	0.067
4-Bromophenyl phenyl ether		ND		0.0040	0.17

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB05-20

Lab Sample ID: 720-13041-12 Date Sampled: 02/14/2008 1500
Client Matrix: Solid Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32121 Instrument ID: Sat 2K1
Preparation: 3550B Prep Batch: 720-31961 Lab File ID: d:\data\200802\021808\720-
Dilution: 1.0 Initial Weight/Volume: 30.12 g
Date Analyzed: 02/18/2008 2159 Final Weight/Volume: 1 mL
Date Prepared: 02/18/2008 0930 Injection Volume:

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		ND		0.0077	0.067
Pentachlorophenol		ND		0.029	0.33
Phenanthrene		ND		0.0058	0.067
Anthracene		ND		0.0032	0.067
Di-n-butyl phthalate		ND		0.0058	0.17
Fluoranthene		ND		0.0037	0.067
Pyrene		ND		0.0038	0.067
Butyl benzyl phthalate		ND		0.0039	0.17
3,3'-Dichlorobenzidine		ND		0.031	0.17
Benzo[a]anthracene		ND		0.012	0.33
Bis(2-ethylhexyl) phthalate		ND		0.010	0.33
Chrysene		ND		0.0042	0.067
Di-n-octyl phthalate		ND		0.032	1.0
Benzo[b]fluoranthene		ND		0.0043	0.067
Benzo[a]pyrene		ND		0.0032	0.067
Benzo[k]fluoranthene		ND		0.0075	0.067
Indeno[1,2,3-cd]pyrene		ND		0.0062	0.067
Benzo[g,h,i]perylene		ND		0.0049	0.067
Benzoic acid		ND		0.019	0.33
Azobenzene		ND		0.0037	0.067
Dibenz(a,h)anthracene		ND		0.0062	0.067

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	53	23 - 120
2-Fluorobiphenyl	63	30 - 115
Terphenyl-d14	66	18 - 137
2-Fluorophenol	63	25 - 121
Phenol-d5	59	24 - 113
2,4,6-Tribromophenol	73	19 - 122

Client: ERRG Job Number: 720-13041-1

Client Sample ID: A1-SB05-W

Lab Sample ID: 720-13041-13 Date Sampled: 02/14/2008 1530
Client Matrix: Water Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 720-32156 Instrument ID: Sat 2K1
Preparation: 3510C Prep Batch: 720-32096 Lab File ID: d:\data\200802\022108\720-
Dilution: 1.0 Initial Weight/Volume: 860 mL
Date Analyzed: 02/21/2008 1415 Final Weight/Volume: 1 mL
Date Prepared: 02/20/2008 1528 Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	0.22	J	0.22	2.3
Bis(2-chloroethyl)ether	ND		0.32	2.3
2-Chlorophenol	ND		0.35	2.3
1,3-Dichlorobenzene	ND		0.46	2.3
1,4-Dichlorobenzene	ND		0.33	2.3
Benzyl alcohol	ND		0.50	5.8
1,2-Dichlorobenzene	ND		0.67	2.3
2-Methylphenol	ND		0.45	2.3
4-Methylphenol	ND		0.53	2.3
N-Nitrosodi-n-propylamine	ND		0.55	2.3
Hexachloroethane	ND		0.47	2.3
Nitrobenzene	ND		0.58	2.3
Isophorone	ND		0.50	2.3
2-Nitrophenol	ND		0.41	2.3
2,4-Dimethylphenol	ND		0.37	2.3
Bis(2-chloroethoxy)methane	ND		0.44	5.8
2,4-Dichlorophenol	ND		0.57	5.8
1,2,4-Trichlorobenzene	ND		0.31	2.3
Naphthalene	ND		0.42	2.3
4-Chloroaniline	ND		0.14	2.3
Hexachlorobutadiene	ND		0.64	2.3
4-Chloro-3-methylphenol	ND		0.32	5.8
2-Methylnaphthalene	ND		0.35	2.3
Hexachlorocyclopentadiene	ND		0.36	5.8
2,4,6-Trichlorophenol	ND		0.38	2.3
2,4,5-Trichlorophenol	ND		0.40	2.3
2-Chloronaphthalene	ND		0.55	2.3
2-Nitroaniline	ND		0.34	12
Dimethyl phthalate	ND		0.32	5.8
Acenaphthylene	ND		0.34	2.3
3-Nitroaniline	ND		0.56	5.8
Acenaphthene	ND		0.38	2.3
2,4-Dinitrophenol	ND		0.21	12
4-Nitrophenol	ND		0.16	12
Dibenzofuran	ND		0.17	2.3
2,4-Dinitrotoluene	ND		0.20	2.3
2,6-Dinitrotoluene	ND		0.52	5.8
Diethyl phthalate	ND		0.27	5.8
4-Chlorophenyl phenyl ether	ND		0.44	5.8
Fluorene	ND		0.25	2.3
4-Nitroaniline	ND		0.32	12
2-Methyl-4,6-dinitrophenol	ND		0.38	12
N-Nitrosodiphenylamine	ND		0.28	2.3
4-Bromophenyl phenyl ether	ND		0.27	5.8

Client: ERRG | Job Number: 720-13041-1

Client Sample ID: **A1-SB05-W**

Lab Sample ID: 720-13041-13 | Date Sampled: 02/14/2008 1530
Client Matrix: Water | Date Received: 02/14/2008 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 720-32156	Instrument ID: Sat 2K1
Preparation:	3510C	Prep Batch: 720-32096	Lab File ID: d:\data\200802\022108\720-
Dilution:	1.0		Initial Weight/Volume: 860 mL
Date Analyzed:	02/21/2008 1415		Final Weight/Volume: 1 mL
Date Prepared:	02/20/2008 1528		Injection Volume:

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	ND		0.43	2.3
Pentachlorophenol	ND		0.47	12
Phenanthrene	ND		0.34	2.3
Anthracene	ND		0.31	2.3
Di-n-butyl phthalate	ND		0.44	5.8
Fluoranthene	ND		0.23	2.3
Pyrene	ND		0.19	2.3
Butyl benzyl phthalate	ND		0.27	5.8
3,3'-Dichlorobenzidine	ND		0.53	5.8
Benzo[a]anthracene	ND		0.82	5.8
Bis(2-ethylhexyl) phthalate	ND		5.9	12
Chrysene	ND		0.22	2.3
Di-n-octyl phthalate	ND		2.2	23
Benzo[b]fluoranthene	ND		0.39	2.3
Benzo[a]pyrene	ND		0.25	2.3
Benzo[k]fluoranthene	ND		0.47	2.3
Indeno[1,2,3-cd]pyrene	ND		0.46	2.3
Benzo[g,h,i]perylene	ND		0.54	2.3
Benzoic acid	2.3	J	0.66	12
Azobenzene	ND		0.40	2.3
Dibenz(a,h)anthracene	ND		0.59	2.3

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	53	6 - 98
2-Fluorobiphenyl	52	6 - 103
Terphenyl-d14	60	36 - 106
2-Fluorophenol	25	1 - 66
Phenol-d5	14	1 - 47
2,4,6-Tribromophenol	53	22 - 124

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-10**

Lab Sample ID: 720-13041-1
Client Matrix: Solid

Date Sampled: 02/14/2008 0830
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/19/2008 2332
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		25		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	68	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2
Client Matrix: Solid

Date Sampled: 02/14/2008 0901
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/19/2008 2359
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.5		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	88	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-W**

Lab Sample ID: 720-13041-3
Client Matrix: Water

Date Sampled: 02/14/2008 0940
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/20/2008 0428
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	950		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	74	50 - 150

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-10**

Lab Sample ID: 720-13041-4
Client Matrix: Solid

Date Sampled: 02/14/2008 1000
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 20
Date Analyzed: 02/20/2008 1527
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5000		20

Surrogate	%Rec		Acceptance Limits
p-Terphenyl	0	D	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-25

Lab Sample ID: 720-13041-5
Client Matrix: Solid

Date Sampled: 02/14/2008 1035
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1621
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.24 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	89	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-W**

Lab Sample ID: 720-13041-6
Client Matrix: Water

Date Sampled: 02/14/2008 1110
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1120
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1200		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	74	50 - 150

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7
Client Matrix: Solid

Date Sampled: 02/14/2008 1130
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1648
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.42 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		8.1		0.99

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	92	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-20**

Lab Sample ID: 720-13041-8
Client Matrix: Solid

Date Sampled: 02/14/2008 1145
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 1715
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.5		0.99

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	87	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB20-W**

Lab Sample ID: 720-13041-9
Client Matrix: Water

Date Sampled: 02/14/2008 1200
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1147
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	710		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	75	50 - 150

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-W**

Lab Sample ID: 720-13041-10
Client Matrix: Water

Date Sampled: 02/14/2008 1300
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1215
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	770		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	77	50 - 150

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-10**

Lab Sample ID: 720-13041-11
Client Matrix: Solid

Date Sampled: 02/14/2008 1445
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 0213
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	86	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-20**

Lab Sample ID: 720-13041-12
Client Matrix: Solid

Date Sampled: 02/14/2008 1500
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/20/2008 0240
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.4		1.0

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	86	40 - 119

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-W**

Lab Sample ID: 720-13041-13
Client Matrix: Water

Date Sampled: 02/14/2008 1530
Date Received: 02/14/2008 1710

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1619
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	600		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	76	50 - 150

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-10**

Lab Sample ID: 720-13041-1
Client Matrix: Solid

Date Sampled: 02/14/2008 0830
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1606
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.34 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		49
PCB-1221		ND		49
PCB-1232		ND		49
PCB-1242		ND		49
PCB-1248		ND		49
PCB-1254		ND		49
PCB-1260		ND		49

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	91	46 - 111
DCB Decachlorobiphenyl	82	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-18**

Lab Sample ID: 720-13041-2
Client Matrix: Solid

Date Sampled: 02/14/2008 0901
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1625
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.33 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		49
PCB-1221		ND		49
PCB-1232		ND		49
PCB-1242		ND		49
PCB-1248		ND		49
PCB-1254		ND		49
PCB-1260		ND		49

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	96	46 - 111
DCB Decachlorobiphenyl	80	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB01-W**

Lab Sample ID: 720-13041-3
Client Matrix: Water

Date Sampled: 02/14/2008 0940
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1611
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 970 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.054	0.52
PCB-1221	ND		0.054	0.52
PCB-1232	ND		0.054	0.52
PCB-1242	ND		0.054	0.52
PCB-1248	ND		0.054	0.52
PCB-1254	ND		0.054	0.52
PCB-1260	ND		0.054	0.52

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	67	47 - 114
DCB Decachlorobiphenyl	57	17 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-10**

Lab Sample ID: 720-13041-4
Client Matrix: Solid

Date Sampled: 02/14/2008 1000
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1644
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	68	46 - 111
DCB Decachlorobiphenyl	69	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-25**

Lab Sample ID: 720-13041-5
Client Matrix: Solid

Date Sampled: 02/14/2008 1035
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1703
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		50
PCB-1221		ND		50
PCB-1232		ND		50
PCB-1242		ND		50
PCB-1248		ND		50
PCB-1254		ND		50
PCB-1260		ND		50

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	46 - 111
DCB Decachlorobiphenyl	66	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB02-W**

Lab Sample ID: 720-13041-6
Client Matrix: Water

Date Sampled: 02/14/2008 1110
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1630
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 930 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.056	0.54
PCB-1221	ND		0.056	0.54
PCB-1232	ND		0.056	0.54
PCB-1242	ND		0.056	0.54
PCB-1248	ND		0.056	0.54
PCB-1254	ND		0.056	0.54
PCB-1260	ND		0.056	0.54

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	66	47 - 114
DCB Decachlorobiphenyl	43	17 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-12**

Lab Sample ID: 720-13041-7
Client Matrix: Solid

Date Sampled: 02/14/2008 1130
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1722
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		49
PCB-1221		ND		49
PCB-1232		ND		49
PCB-1242		ND		49
PCB-1248		ND		49
PCB-1254		ND		49
PCB-1260		ND		49

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	90	46 - 111
DCB Decachlorobiphenyl	73	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-20**

Lab Sample ID: 720-13041-8
Client Matrix: Solid

Date Sampled: 02/14/2008 1145
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1741
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		49
PCB-1221		ND		49
PCB-1232		ND		49
PCB-1242		ND		49
PCB-1248		ND		49
PCB-1254		ND		49
PCB-1260		ND		49

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	92	46 - 111
DCB Decachlorobiphenyl	73	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB20-W**

Lab Sample ID: 720-13041-9
Client Matrix: Water

Date Sampled: 02/14/2008 1200
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1650
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 980 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.053	0.51
PCB-1221	ND		0.053	0.51
PCB-1232	ND		0.053	0.51
PCB-1242	ND		0.053	0.51
PCB-1248	ND		0.053	0.51
PCB-1254	ND		0.053	0.51
PCB-1260	ND		0.053	0.51

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	67	47 - 114
DCB Decachlorobiphenyl	53	17 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB03-W**

Lab Sample ID: 720-13041-10
Client Matrix: Water

Date Sampled: 02/14/2008 1300
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1709
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 970 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.054	0.52
PCB-1221	ND		0.054	0.52
PCB-1232	ND		0.054	0.52
PCB-1242	ND		0.054	0.52
PCB-1248	ND		0.054	0.52
PCB-1254	ND		0.054	0.52
PCB-1260	ND		0.054	0.52

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	71	47 - 114
DCB Decachlorobiphenyl	56	17 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-10**

Lab Sample ID: 720-13041-11
Client Matrix: Solid

Date Sampled: 02/14/2008 1445
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1800
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		49
PCB-1221		ND		49
PCB-1232		ND		49
PCB-1242		ND		49
PCB-1248		ND		49
PCB-1254		ND		49
PCB-1260		ND		49

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	46 - 111
DCB Decachlorobiphenyl	72	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-20**

Lab Sample ID: 720-13041-12
Client Matrix: Solid

Date Sampled: 02/14/2008 1500
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 02/18/2008 1819
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		49
PCB-1221		ND		49
PCB-1232		ND		49
PCB-1242		ND		49
PCB-1248		ND		49
PCB-1254		ND		49
PCB-1260		ND		49

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	81	46 - 111
DCB Decachlorobiphenyl	71	34 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: **A1-SB05-W**

Lab Sample ID: 720-13041-13
Client Matrix: Water

Date Sampled: 02/14/2008 1530
Date Received: 02/14/2008 1710

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 02/19/2008 1728
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 800 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.065	0.63
PCB-1221	ND		0.065	0.63
PCB-1232	ND		0.065	0.63
PCB-1242	ND		0.065	0.63
PCB-1248	ND		0.065	0.63
PCB-1254	ND		0.065	0.63
PCB-1260	ND		0.065	0.63

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	48	47 - 114
DCB Decachlorobiphenyl	18	17 - 106

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB01-10

Lab Sample ID: 720-13041-1
Client Matrix: Solid

Date Sampled: 02/14/2008 0830
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1247
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.52
Chromium		22		1.0
Lead		4.1		1.0
Barium		73		1.0
Silver		ND		1.0
Arsenic		2.4		1.0
Selenium		ND		2.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1100
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB01-18

Lab Sample ID: 720-13041-2
Client Matrix: Solid

Date Sampled: 02/14/2008 0901
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1251
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.95 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.53
Chromium		18		1.1
Lead		4.0		1.1
Barium		55		1.1
Silver		ND		1.1
Arsenic		3.5		1.1
Selenium		ND		2.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1102
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.083		0.050

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB01-W

Lab Sample ID: 720-13041-3
Client Matrix: Water

Date Sampled: 02/14/2008 0940
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1403
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	ND		0.0050
Barium	0.31		0.0050
Cadmium	ND		0.0020
Chromium	0.026		0.0050
Lead	0.0053		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/18/2008 1159
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-10

Lab Sample ID: 720-13041-4
Client Matrix: Solid

Date Sampled: 02/14/2008 1000
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1255
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.99 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.51
Chromium		42		1.0
Lead		4.4		1.0
Barium		100		1.0
Silver		ND		1.0
Arsenic		1.7		1.0
Selenium		ND		2.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1103
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.093		0.050

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-25

Lab Sample ID: 720-13041-5
Client Matrix: Solid

Date Sampled: 02/14/2008 1035
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1258
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.48
Chromium		24		0.96
Lead		1.3		0.96
Barium		18		0.96
Silver		ND		0.96
Arsenic		ND		0.96
Selenium		ND		1.9

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1104
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB02-W

Lab Sample ID: 720-13041-6
Client Matrix: Water

Date Sampled: 02/14/2008 1110
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1407
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	0.031		0.0050
Barium	0.98		0.0050
Cadmium	ND		0.0020
Chromium	0.48		0.0050
Lead	0.067		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/18/2008 1200
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	0.00065		0.00020

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB03-12

Lab Sample ID: 720-13041-7
Client Matrix: Solid

Date Sampled: 02/14/2008 1130
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1302
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.48
Chromium		12		0.95
Lead		1.9		0.95
Barium		29		0.95
Silver		ND		0.95
Arsenic		2.1		0.95
Selenium		ND		1.9

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1105
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.20		0.049

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB03-20

Lab Sample ID: 720-13041-8
Client Matrix: Solid

Date Sampled: 02/14/2008 1145
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 720-32031		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 720-31947		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.98 g
Date Analyzed:	02/19/2008 1313			Final Weight/Volume:	50 mL
Date Prepared:	02/15/2008 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.51
Chromium		29		1.0
Lead		3.6		1.0
Barium		34		1.0
Silver		ND		1.0
Arsenic		2.8		1.0
Selenium		ND		2.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 720-31969		Instrument ID:	FIMS 100
Preparation:	7471A	Prep Batch: 720-31952		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	02/18/2008 1109			Final Weight/Volume:	50 mL
Date Prepared:	02/15/2008 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.048

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB20-W

Lab Sample ID: 720-13041-9
Client Matrix: Water

Date Sampled: 02/14/2008 1200
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1410
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	ND		0.0050
Barium	0.26		0.0050
Cadmium	ND		0.0020
Chromium	0.0059		0.0050
Lead	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/18/2008 1201
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB03-W

Lab Sample ID: 720-13041-10
Client Matrix: Water

Date Sampled: 02/14/2008 1300
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1413
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	ND		0.0050
Barium	0.26		0.0050
Cadmium	ND		0.0020
Chromium	0.0057		0.0050
Lead	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/18/2008 1202
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB05-10

Lab Sample ID: 720-13041-11
Client Matrix: Solid

Date Sampled: 02/14/2008 1445
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1316
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.52
Chromium		36		1.0
Lead		2.5		1.0
Barium		110		1.0
Silver		ND		1.0
Arsenic		1.8		1.0
Selenium		ND		2.1

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1110
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.050		0.048

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB05-20

Lab Sample ID: 720-13041-12
Client Matrix: Solid

Date Sampled: 02/14/2008 1500
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 02/19/2008 1319
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Cadmium		ND		0.49
Chromium		39		0.97
Lead		3.6		0.97
Barium		82		0.97
Silver		ND		0.97
Arsenic		2.4		0.97
Selenium		ND		1.9

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/18/2008 1111
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.050

Client: ERRG

Job Number: 720-13041-1

Client Sample ID: A1-SB05-W

Lab Sample ID: 720-13041-13
Client Matrix: Water

Date Sampled: 02/14/2008 1530
Date Received: 02/14/2008 1710

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 02/19/2008 1417
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Arsenic	0.038		0.0050
Barium	1.9		0.0050
Cadmium	ND		0.0020
Chromium	0.55		0.0050
Lead	0.057		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 02/18/2008 1203
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	0.00077		0.00020

General Chemistry

Client Sample ID: A1-SB01-10

Lab Sample ID: 720-13041-1 Date Sampled: 02/14/2008 0830
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32071	Date Analyzed	02/20/2008 1215		DryWt Corrected: N	
	Prep Batch: 720-32068	Date Prepared:	02/20/2008 1140			

Client Sample ID: A1-SB01-18

Lab Sample ID: 720-13041-2 Date Sampled: 02/14/2008 0901
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32071	Date Analyzed	02/20/2008 1215		DryWt Corrected: N	
	Prep Batch: 720-32068	Date Prepared:	02/20/2008 1140			

Client Sample ID: A1-SB01-W

Lab Sample ID: 720-13041-3 Date Sampled: 02/14/2008 0940
Client Matrix: Water Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.5	J	mg/L	0.25	2.0	1.0	1664A
	Anly Batch: 720-32012	Date Analyzed	02/19/2008 1329				
	Prep Batch: 720-31982	Date Prepared:	02/18/2008 1727				

Client Sample ID: A1-SB02-10

Lab Sample ID: 720-13041-4 Date Sampled: 02/14/2008 1000
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	4700		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32071	Date Analyzed	02/20/2008 1215		DryWt Corrected: N	
	Prep Batch: 720-32068	Date Prepared:	02/20/2008 1140			

Client Sample ID: A1-SB02-25

Lab Sample ID: 720-13041-5 Date Sampled: 02/14/2008 1035
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32071	Date Analyzed	02/20/2008 1215		DryWt Corrected: N	
	Prep Batch: 720-32068	Date Prepared:	02/20/2008 1140			

General Chemistry

Client Sample ID: A1-SB02-W

Lab Sample ID: 720-13041-6 Date Sampled: 02/14/2008 1110
Client Matrix: Water Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.5	J	mg/L	0.25	2.0	1.0	1664A
Anly Batch: 720-32012	Date Analyzed		02/19/2008 1329				
Prep Batch: 720-31982	Date Prepared:		02/18/2008 1727				

Client Sample ID: A1-SB03-12

Lab Sample ID: 720-13041-7 Date Sampled: 02/14/2008 1130
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
Anly Batch: 720-32071	Date Analyzed		02/20/2008 1215		DryWt Corrected: N	
Prep Batch: 720-32068	Date Prepared:		02/20/2008 1140			

Client Sample ID: A1-SB03-20

Lab Sample ID: 720-13041-8 Date Sampled: 02/14/2008 1145
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
Anly Batch: 720-32071	Date Analyzed		02/20/2008 1215		DryWt Corrected: N	
Prep Batch: 720-32068	Date Prepared:		02/20/2008 1140			

Client Sample ID: A1-SB20-W

Lab Sample ID: 720-13041-9 Date Sampled: 02/14/2008 1200
Client Matrix: Water Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	0.64	J	mg/L	0.25	2.0	1.0	1664A
Anly Batch: 720-32012	Date Analyzed		02/19/2008 1329				
Prep Batch: 720-31982	Date Prepared:		02/18/2008 1727				

Client Sample ID: A1-SB03-W

Lab Sample ID: 720-13041-10 Date Sampled: 02/14/2008 1300
Client Matrix: Water Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.0	J	mg/L	0.25	2.0	1.0	1664A
Anly Batch: 720-32012	Date Analyzed		02/19/2008 1329				
Prep Batch: 720-31982	Date Prepared:		02/18/2008 1727				

General Chemistry

Client Sample ID: A1-SB05-10

Lab Sample ID: 720-13041-11 Date Sampled: 02/14/2008 1445
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32071	Date Analyzed	02/20/2008 1215		DryWt Corrected: N	
	Prep Batch: 720-32068	Date Prepared:	02/20/2008 1140			

Client Sample ID: A1-SB05-20

Lab Sample ID: 720-13041-12 Date Sampled: 02/14/2008 1500
Client Matrix: Solid Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	RL	Dil	Method
HEM	ND		mg/Kg	100	1.0	9071B
	Anly Batch: 720-32071	Date Analyzed	02/20/2008 1215		DryWt Corrected: N	
	Prep Batch: 720-32068	Date Prepared:	02/20/2008 1140			

Client Sample ID: A1-SB05-W

Lab Sample ID: 720-13041-13 Date Sampled: 02/14/2008 1530
Client Matrix: Water Date Received: 02/14/2008 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil & Grease)	1.9	J	mg/L	0.25	2.0	1.0	1664A
	Anly Batch: 720-32012	Date Analyzed	02/19/2008 1329				
	Prep Batch: 720-31982	Date Prepared:	02/18/2008 1727				

DATA REPORTING QUALIFIERS

Client: ERRG Job Number: 720-13041-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate exceeds the control limits
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
GC Semi VOA		
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
General Chemistry		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-31939					
LCS 720-31939/1-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-31939/2-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-31939/3-A	Method Blank	T	Solid	5030B	
720-13041-1	A1-SB01-10	T	Solid	5030B	
720-13041-1MS	Matrix Spike	T	Solid	5030B	
720-13041-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-13041-2	A1-SB01-18	T	Solid	5030B	
720-13041-4	A1-SB02-10	T	Solid	5030B	
720-13041-5	A1-SB02-25	T	Solid	5030B	
720-13041-7	A1-SB03-12	T	Solid	5030B	
720-13041-8	A1-SB03-20	T	Solid	5030B	
720-13041-11	A1-SB05-10	T	Solid	5030B	
720-13041-12	A1-SB05-20	T	Solid	5030B	
Analysis Batch:720-31977					
LCS 720-31939/1-A	Lab Control Spike	T	Solid	8260B	720-31939
LCSD 720-31939/2-A	Lab Control Spike Duplicate	T	Solid	8260B	720-31939
MB 720-31939/3-A	Method Blank	T	Solid	8260B	720-31939
720-13041-1	A1-SB01-10	T	Solid	8260B	720-31939
720-13041-1MS	Matrix Spike	T	Solid	8260B	720-31939
720-13041-1MSD	Matrix Spike Duplicate	T	Solid	8260B	720-31939
720-13041-2	A1-SB01-18	T	Solid	8260B	720-31939
720-13041-4	A1-SB02-10	T	Solid	8260B	720-31939
720-13041-5	A1-SB02-25	T	Solid	8260B	720-31939
720-13041-7	A1-SB03-12	T	Solid	8260B	720-31939
720-13041-8	A1-SB03-20	T	Solid	8260B	720-31939
720-13041-11	A1-SB05-10	T	Solid	8260B	720-31939
720-13041-12	A1-SB05-20	T	Solid	8260B	720-31939
Analysis Batch:720-31984					
LCS 720-31984/2	Lab Control Spike	T	Water	8260B	
LCSD 720-31984/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31984/3	Method Blank	T	Water	8260B	
720-13023-C-4 MS	Matrix Spike	T	Water	8260B	
720-13023-D-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-13041-3	A1-SB01-W	T	Water	8260B	
720-13041-6	A1-SB02-W	T	Water	8260B	
720-13041-9	A1-SB20-W	T	Water	8260B	

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-31985					
LCS 720-31985/3	Lab Control Spike	T	Water	8260B	
LCSD 720-31985/2	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31985/5	Method Blank	T	Water	8260B	
720-13041-3	A1-SB01-W	T	Water	8260B	
720-13041-6	A1-SB02-W	T	Water	8260B	
720-13041-9	A1-SB20-W	T	Water	8260B	
720-13041-10	A1-SB03-W	T	Water	8260B	
720-13041-13	A1-SB05-W	T	Water	8260B	
720-13063-B-4 MS	Matrix Spike	T	Water	8260B	
720-13063-C-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-32001					
LCS 720-32002/2-A	Lab Control Spike	T	Solid	8260B	720-32002
LCSD 720-32002/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-32002
MB 720-32002/1-A	Method Blank	T	Solid	8260B	720-32002
720-13028-A-1-B MS	Matrix Spike	T	Solid	8260B	720-32002
720-13028-A-1-C MSD	Matrix Spike Duplicate	T	Solid	8260B	720-32002
720-13041-1	A1-SB01-10	T	Solid	8260B	720-32002
720-13041-2	A1-SB01-18	T	Solid	8260B	720-32002
720-13041-4	A1-SB02-10	T	Solid	8260B	720-32002
720-13041-5	A1-SB02-25	T	Solid	8260B	720-32002
720-13041-7	A1-SB03-12	T	Solid	8260B	720-32002
720-13041-8	A1-SB03-20	T	Solid	8260B	720-32002
720-13041-11	A1-SB05-10	T	Solid	8260B	720-32002
Prep Batch: 720-32002					
LCS 720-32002/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-32002/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-32002/1-A	Method Blank	T	Solid	5030B	
720-13028-A-1-B MS	Matrix Spike	T	Solid	5030B	
720-13028-A-1-C MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-13041-1	A1-SB01-10	T	Solid	5030B	
720-13041-2	A1-SB01-18	T	Solid	5030B	
720-13041-4	A1-SB02-10	T	Solid	5030B	
720-13041-5	A1-SB02-25	T	Solid	5030B	
720-13041-7	A1-SB03-12	T	Solid	5030B	
720-13041-8	A1-SB03-20	T	Solid	5030B	
720-13041-11	A1-SB05-10	T	Solid	5030B	

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-32033					
LCS 720-32033/2	Lab Control Spike	T	Water	8260B	
LCSD 720-32033/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-32033/3	Method Blank	T	Water	8260B	
720-13041-10	A1-SB03-W	T	Water	8260B	
720-13041-13	A1-SB05-W	T	Water	8260B	
720-13048-B-5 MS	Matrix Spike	T	Water	8260B	
720-13048-B-5 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-32147					
LCS 720-32149/2-A	Lab Control Spike	T	Solid	8260B	720-32149
LCSD 720-32149/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-32149
MB 720-32149/1-A	Method Blank	T	Solid	8260B	720-32149
720-13041-12	A1-SB05-20	T	Solid	8260B	720-32149
720-13041-12MS	Matrix Spike	T	Solid	8260B	720-32149
720-13041-12MSD	Matrix Spike Duplicate	T	Solid	8260B	720-32149
Prep Batch: 720-32149					
LCS 720-32149/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-32149/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-32149/1-A	Method Blank	T	Solid	5030B	
720-13041-12	A1-SB05-20	T	Solid	5030B	
720-13041-12MS	Matrix Spike	T	Solid	5030B	
720-13041-12MSD	Matrix Spike Duplicate	T	Solid	5030B	

Report Basis
T = Total

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-31961					
LCS 720-31961/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-31961/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-31961/1-A	Method Blank	T	Solid	3550B	
720-13024-A-1-F MS	Matrix Spike	T	Solid	3550B	
720-13024-A-1-G MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-13041-1	A1-SB01-10	T	Solid	3550B	
720-13041-2	A1-SB01-18	T	Solid	3550B	
720-13041-4	A1-SB02-10	T	Solid	3550B	
720-13041-5	A1-SB02-25	T	Solid	3550B	
720-13041-7	A1-SB03-12	T	Solid	3550B	
720-13041-8	A1-SB03-20	T	Solid	3550B	
720-13041-11	A1-SB05-10	T	Solid	3550B	
720-13041-12	A1-SB05-20	T	Solid	3550B	
Prep Batch: 720-31970					
LCS 720-31970/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31970/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31970/1-A	Method Blank	T	Water	3510C	
720-13041-3	A1-SB01-W	T	Water	3510C	
720-13041-9	A1-SB20-W	T	Water	3510C	
720-13041-10	A1-SB03-W	T	Water	3510C	
720-13063-V-4-A MS	Matrix Spike	T	Water	3510C	
720-13063-Z-4-A MSD	Matrix Spike Duplicate	T	Water	3510C	
Prep Batch: 720-32096					
LCS 720-32096/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-32096/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-32096/1-A	Method Blank	T	Water	3510C	
720-13041-6	A1-SB02-W	T	Water	3510C	
720-13041-13	A1-SB05-W	T	Water	3510C	
Analysis Batch:720-32121					
LCS 720-31961/2-A	Lab Control Spike	T	Solid	8270C	720-31961
LCSD 720-31961/3-A	Lab Control Spike Duplicate	T	Solid	8270C	720-31961
MB 720-31961/1-A	Method Blank	T	Solid	8270C	720-31961
720-13024-A-1-F MS	Matrix Spike	T	Solid	8270C	720-31961
720-13024-A-1-G MSD	Matrix Spike Duplicate	T	Solid	8270C	720-31961
720-13041-1	A1-SB01-10	T	Solid	8270C	720-31961
720-13041-2	A1-SB01-18	T	Solid	8270C	720-31961
720-13041-5	A1-SB02-25	T	Solid	8270C	720-31961
720-13041-7	A1-SB03-12	T	Solid	8270C	720-31961
720-13041-8	A1-SB03-20	T	Solid	8270C	720-31961
720-13041-12	A1-SB05-20	T	Solid	8270C	720-31961

Client: ERRG

Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:720-32122					
LCS 720-31970/2-A	Lab Control Spike	T	Water	8270C	720-31970
LCSD 720-31970/3-A	Lab Control Spike Duplicate	T	Water	8270C	720-31970
MB 720-31970/1-A	Method Blank	T	Water	8270C	720-31970
720-13041-3	A1-SB01-W	T	Water	8270C	720-31970
720-13041-4	A1-SB02-10	T	Solid	8270C	720-31961
720-13041-9	A1-SB20-W	T	Water	8270C	720-31970
720-13041-10	A1-SB03-W	T	Water	8270C	720-31970
720-13041-11	A1-SB05-10	T	Solid	8270C	720-31961
720-13063-V-4-A MS	Matrix Spike	T	Water	8270C	720-31970
720-13063-Z-4-A MSD	Matrix Spike Duplicate	T	Water	8270C	720-31970
Analysis Batch:720-32156					
LCS 720-32096/2-A	Lab Control Spike	T	Water	8270C	720-32096
LCSD 720-32096/3-A	Lab Control Spike Duplicate	T	Water	8270C	720-32096
MB 720-32096/1-A	Method Blank	T	Water	8270C	720-32096
720-13041-6	A1-SB02-W	T	Water	8270C	720-32096
720-13041-13	A1-SB05-W	T	Water	8270C	720-32096

Report Basis
T = Total

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-31960					
LCS 720-31960/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-31960/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-31960/1-A	Method Blank	T	Solid	3550B	
720-13041-1	A1-SB01-10	T	Solid	3550B	
720-13041-2	A1-SB01-18	T	Solid	3550B	
720-13041-4	A1-SB02-10	T	Solid	3550B	
720-13041-5	A1-SB02-25	T	Solid	3550B	
720-13041-7	A1-SB03-12	T	Solid	3550B	
720-13041-8	A1-SB03-20	T	Solid	3550B	
720-13041-11	A1-SB05-10	T	Solid	3550B	
720-13041-12	A1-SB05-20	T	Solid	3550B	
720-13041-12MS	Matrix Spike	T	Solid	3550B	
720-13041-12MSD	Matrix Spike Duplicate	T	Solid	3550B	
Prep Batch: 720-31965					
LCS 720-31965/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-31965/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-31965/1-A	Method Blank	T	Solid	3550B	
720-13039-D-21-C MS	Matrix Spike	T	Solid	3550B	
720-13039-D-21-D MSD	Matrix Spike Duplicate	T	Solid	3550B	
720-13041-1	A1-SB01-10	T	Solid	3550B	
720-13041-2	A1-SB01-18	T	Solid	3550B	
720-13041-4	A1-SB02-10	T	Solid	3550B	
720-13041-5	A1-SB02-25	T	Solid	3550B	
720-13041-7	A1-SB03-12	T	Solid	3550B	
720-13041-8	A1-SB03-20	T	Solid	3550B	
720-13041-11	A1-SB05-10	T	Solid	3550B	
720-13041-12	A1-SB05-20	T	Solid	3550B	
Prep Batch: 720-31978					
LCS 720-31978/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31978/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31978/1-A	Method Blank	T	Water	3510C	
720-13041-3	A1-SB01-W	T	Water	3510C	
720-13041-6	A1-SB02-W	T	Water	3510C	
720-13041-9	A1-SB20-W	T	Water	3510C	
720-13041-10	A1-SB03-W	T	Water	3510C	
720-13041-13	A1-SB05-W	T	Water	3510C	
720-13063-X-4-A MS	Matrix Spike	T	Water	3510C	
720-13063-AA-4-A MSD	Matrix Spike Duplicate	T	Water	3510C	

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-31986					
LCS 720-31986/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31986/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31986/1-A	Method Blank	T	Water	3510C	
720-13041-3	A1-SB01-W	T	Water	3510C	
720-13041-6	A1-SB02-W	T	Water	3510C	
720-13041-9	A1-SB20-W	T	Water	3510C	
720-13041-10	A1-SB03-W	T	Water	3510C	
720-13041-13	A1-SB05-W	T	Water	3510C	
Analysis Batch:720-31996					
LCS 720-31960/2-A	Lab Control Spike	T	Solid	8082	720-31960
LCSD 720-31960/3-A	Lab Control Spike Duplicate	T	Solid	8082	720-31960
MB 720-31960/1-A	Method Blank	T	Solid	8082	720-31960
720-13041-1	A1-SB01-10	T	Solid	8082	720-31960
720-13041-2	A1-SB01-18	T	Solid	8082	720-31960
720-13041-4	A1-SB02-10	T	Solid	8082	720-31960
720-13041-5	A1-SB02-25	T	Solid	8082	720-31960
720-13041-7	A1-SB03-12	T	Solid	8082	720-31960
720-13041-8	A1-SB03-20	T	Solid	8082	720-31960
720-13041-11	A1-SB05-10	T	Solid	8082	720-31960
720-13041-12	A1-SB05-20	T	Solid	8082	720-31960
720-13041-12MS	Matrix Spike	T	Solid	8082	720-31960
720-13041-12MSD	Matrix Spike Duplicate	T	Solid	8082	720-31960
Analysis Batch:720-32074					
LCS 720-31978/2-A	Lab Control Spike	T	Water	8082	720-31978
LCSD 720-31978/3-A	Lab Control Spike Duplicate	T	Water	8082	720-31978
MB 720-31978/1-A	Method Blank	T	Water	8082	720-31978
720-13041-3	A1-SB01-W	T	Water	8082	720-31978
720-13041-6	A1-SB02-W	T	Water	8082	720-31978
720-13041-9	A1-SB20-W	T	Water	8082	720-31978
720-13041-10	A1-SB03-W	T	Water	8082	720-31978
720-13041-13	A1-SB05-W	T	Water	8082	720-31978
720-13063-X-4-A MS	Matrix Spike	T	Water	8082	720-31978
720-13063-AA-4-A MSD	Matrix Spike Duplicate	T	Water	8082	720-31978
Analysis Batch:720-32093					
LCS 720-31986/2-A	Lab Control Spike	T	Water	8015B	720-31986
LCSD 720-31986/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-31986
MB 720-31986/1-A	Method Blank	T	Water	8015B	720-31986
720-13041-3	A1-SB01-W	T	Water	8015B	720-31986
720-13041-6	A1-SB02-W	T	Water	8015B	720-31986
720-13041-9	A1-SB20-W	T	Water	8015B	720-31986
720-13041-10	A1-SB03-W	T	Water	8015B	720-31986
720-13041-13	A1-SB05-W	T	Water	8015B	720-31986

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-32132					
LCS 720-31965/2-A	Lab Control Spike	T	Solid	8015B	720-31965
LCSD 720-31965/3-A	Lab Control Spike Duplicate	T	Solid	8015B	720-31965
MB 720-31965/1-A	Method Blank	T	Solid	8015B	720-31965
720-13039-D-21-C MS	Matrix Spike	T	Solid	8015B	720-31965
720-13039-D-21-D MSD	Matrix Spike Duplicate	T	Solid	8015B	720-31965
720-13041-1	A1-SB01-10	T	Solid	8015B	720-31965
720-13041-2	A1-SB01-18	T	Solid	8015B	720-31965
720-13041-4	A1-SB02-10	T	Solid	8015B	720-31965
720-13041-5	A1-SB02-25	T	Solid	8015B	720-31965
720-13041-7	A1-SB03-12	T	Solid	8015B	720-31965
720-13041-8	A1-SB03-20	T	Solid	8015B	720-31965
720-13041-11	A1-SB05-10	T	Solid	8015B	720-31965
720-13041-12	A1-SB05-20	T	Solid	8015B	720-31965

Report Basis
T = Total

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-31947					
LCS 720-31947/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-31947/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-31947/25-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-31947/1-A	Method Blank	T	Solid	3050B	
720-13039-A-20-B MS	Matrix Spike	T	Solid	3050B	
720-13039-A-20-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
720-13041-1	A1-SB01-10	T	Solid	3050B	
720-13041-2	A1-SB01-18	T	Solid	3050B	
720-13041-4	A1-SB02-10	T	Solid	3050B	
720-13041-5	A1-SB02-25	T	Solid	3050B	
720-13041-7	A1-SB03-12	T	Solid	3050B	
720-13041-8	A1-SB03-20	T	Solid	3050B	
720-13041-11	A1-SB05-10	T	Solid	3050B	
720-13041-12	A1-SB05-20	T	Solid	3050B	
Prep Batch: 720-31952					
LCS 720-31952/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 720-31952/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 720-31952/1-A	Method Blank	T	Solid	7471A	
720-13039-A-21-B MS	Matrix Spike	T	Solid	7471A	
720-13039-A-21-C MSD	Matrix Spike Duplicate	T	Solid	7471A	
720-13041-1	A1-SB01-10	T	Solid	7471A	
720-13041-2	A1-SB01-18	T	Solid	7471A	
720-13041-4	A1-SB02-10	T	Solid	7471A	
720-13041-5	A1-SB02-25	T	Solid	7471A	
720-13041-7	A1-SB03-12	T	Solid	7471A	
720-13041-8	A1-SB03-20	T	Solid	7471A	
720-13041-11	A1-SB05-10	T	Solid	7471A	
720-13041-12	A1-SB05-20	T	Solid	7471A	
Prep Batch: 720-31959					
LCS 720-31959/2-A	Lab Control Spike	T	Water	7470A	
LCSD 720-31959/3-A	Lab Control Spike Duplicate	T	Water	7470A	
MB 720-31959/1-A	Method Blank	T	Water	7470A	
720-13041-3	A1-SB01-W	T	Water	7470A	
720-13041-3MS	Matrix Spike	T	Water	7470A	
720-13041-3MSD	Matrix Spike Duplicate	T	Water	7470A	
720-13041-6	A1-SB02-W	T	Water	7470A	
720-13041-9	A1-SB20-W	T	Water	7470A	
720-13041-10	A1-SB03-W	T	Water	7470A	
720-13041-13	A1-SB05-W	T	Water	7470A	

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-31962					
LCS 720-31962/2-A	Lab Control Spike	T	Water	3010A	
LCSD 720-31962/3-A	Lab Control Spike Duplicate	T	Water	3010A	
MB 720-31962/1-A	Method Blank	T	Water	3010A	
720-13041-3	A1-SB01-W	T	Water	3010A	
720-13041-6	A1-SB02-W	T	Water	3010A	
720-13041-9	A1-SB20-W	T	Water	3010A	
720-13041-10	A1-SB03-W	T	Water	3010A	
720-13041-13	A1-SB05-W	T	Water	3010A	
720-13063-A-4-A MS	Matrix Spike	T	Water	3010A	
720-13063-A-4-B MSD	Matrix Spike Duplicate	T	Water	3010A	
Analysis Batch:720-31969					
LCS 720-31952/2-A	Lab Control Spike	T	Solid	7471A	720-31952
LCSD 720-31952/3-A	Lab Control Spike Duplicate	T	Solid	7471A	720-31952
MB 720-31952/1-A	Method Blank	T	Solid	7471A	720-31952
720-13039-A-21-B MS	Matrix Spike	T	Solid	7471A	720-31952
720-13039-A-21-C MSD	Matrix Spike Duplicate	T	Solid	7471A	720-31952
720-13041-1	A1-SB01-10	T	Solid	7471A	720-31952
720-13041-2	A1-SB01-18	T	Solid	7471A	720-31952
720-13041-4	A1-SB02-10	T	Solid	7471A	720-31952
720-13041-5	A1-SB02-25	T	Solid	7471A	720-31952
720-13041-7	A1-SB03-12	T	Solid	7471A	720-31952
720-13041-8	A1-SB03-20	T	Solid	7471A	720-31952
720-13041-11	A1-SB05-10	T	Solid	7471A	720-31952
720-13041-12	A1-SB05-20	T	Solid	7471A	720-31952
Analysis Batch:720-31971					
LCS 720-31959/2-A	Lab Control Spike	T	Water	7470A	720-31959
LCSD 720-31959/3-A	Lab Control Spike Duplicate	T	Water	7470A	720-31959
MB 720-31959/1-A	Method Blank	T	Water	7470A	720-31959
720-13041-3	A1-SB01-W	T	Water	7470A	720-31959
720-13041-3MS	Matrix Spike	T	Water	7470A	720-31959
720-13041-3MSD	Matrix Spike Duplicate	T	Water	7470A	720-31959
720-13041-6	A1-SB02-W	T	Water	7470A	720-31959
720-13041-9	A1-SB20-W	T	Water	7470A	720-31959
720-13041-10	A1-SB03-W	T	Water	7470A	720-31959
720-13041-13	A1-SB05-W	T	Water	7470A	720-31959

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:720-32031					
LCS 720-31947/2-A	Lab Control Spike	T	Solid	6010B	720-31947
LCSD 720-31947/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-31947
LCSSRM 720-31947/25-A	LCS-Standard Reference Material	T	Solid	6010B	720-31947
MB 720-31947/1-A	Method Blank	T	Solid	6010B	720-31947
LCS 720-31962/2-A	Lab Control Spike	T	Water	6010B	720-31962
LCSD 720-31962/3-A	Lab Control Spike Duplicate	T	Water	6010B	720-31962
MB 720-31962/1-A	Method Blank	T	Water	6010B	720-31962
720-13039-A-20-B MS	Matrix Spike	T	Solid	6010B	720-31947
720-13039-A-20-C MSD	Matrix Spike Duplicate	T	Solid	6010B	720-31947
720-13041-1	A1-SB01-10	T	Solid	6010B	720-31947
720-13041-2	A1-SB01-18	T	Solid	6010B	720-31947
720-13041-3	A1-SB01-W	T	Water	6010B	720-31962
720-13041-4	A1-SB02-10	T	Solid	6010B	720-31947
720-13041-5	A1-SB02-25	T	Solid	6010B	720-31947
720-13041-6	A1-SB02-W	T	Water	6010B	720-31962
720-13041-7	A1-SB03-12	T	Solid	6010B	720-31947
720-13041-8	A1-SB03-20	T	Solid	6010B	720-31947
720-13041-9	A1-SB20-W	T	Water	6010B	720-31962
720-13041-10	A1-SB03-W	T	Water	6010B	720-31962
720-13041-11	A1-SB05-10	T	Solid	6010B	720-31947
720-13041-12	A1-SB05-20	T	Solid	6010B	720-31947
720-13041-13	A1-SB05-W	T	Water	6010B	720-31962
720-13063-A-4-A MS	Matrix Spike	T	Water	6010B	720-31962
720-13063-A-4-B MSD	Matrix Spike Duplicate	T	Water	6010B	720-31962

Report Basis
T = Total

Client: ERRG Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 720-31982					
LCS 720-31982/2-A	Lab Control Spike	T	Water	1664A	
LCSD 720-31982/3-A	Lab Control Spike Duplicate	T	Water	1664A	
MB 720-31982/1-A	Method Blank	T	Water	1664A	
720-13041-3	A1-SB01-W	T	Water	1664A	
720-13041-6	A1-SB02-W	T	Water	1664A	
720-13041-9	A1-SB20-W	T	Water	1664A	
720-13041-10	A1-SB03-W	T	Water	1664A	
720-13041-13	A1-SB05-W	T	Water	1664A	
720-13063-AF-4-A MS	Matrix Spike	T	Water	1664A	
720-13063-AD-4-A MSD	Matrix Spike Duplicate	T	Water	1664A	
Analysis Batch:720-32012					
LCS 720-31982/2-A	Lab Control Spike	T	Water	1664A	720-31982
LCSD 720-31982/3-A	Lab Control Spike Duplicate	T	Water	1664A	720-31982
MB 720-31982/1-A	Method Blank	T	Water	1664A	720-31982
720-13041-3	A1-SB01-W	T	Water	1664A	720-31982
720-13041-6	A1-SB02-W	T	Water	1664A	720-31982
720-13041-9	A1-SB20-W	T	Water	1664A	720-31982
720-13041-10	A1-SB03-W	T	Water	1664A	720-31982
720-13041-13	A1-SB05-W	T	Water	1664A	720-31982
720-13063-AF-4-A MS	Matrix Spike	T	Water	1664A	720-31982
720-13063-AD-4-A MSD	Matrix Spike Duplicate	T	Water	1664A	720-31982
Prep Batch: 720-32068					
LCS 720-32068/2-A	Lab Control Spike	T	Solid	9071B	
LCSD 720-32068/3-A	Lab Control Spike Duplicate	T	Solid	9071B	
MB 720-32068/1-A	Method Blank	T	Solid	9071B	
720-13024-A-1-M MS	Matrix Spike	T	Solid	9071B	
720-13024-A-1-N MSD	Matrix Spike Duplicate	T	Solid	9071B	
720-13041-1	A1-SB01-10	T	Solid	9071B	
720-13041-2	A1-SB01-18	T	Solid	9071B	
720-13041-4	A1-SB02-10	T	Solid	9071B	
720-13041-5	A1-SB02-25	T	Solid	9071B	
720-13041-7	A1-SB03-12	T	Solid	9071B	
720-13041-8	A1-SB03-20	T	Solid	9071B	
720-13041-11	A1-SB05-10	T	Solid	9071B	
720-13041-12	A1-SB05-20	T	Solid	9071B	

Client: ERRG

Job Number: 720-13041-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-32071					
LCS 720-32068/2-A	Lab Control Spike	T	Solid	9071B	720-32068
LCSD 720-32068/3-A	Lab Control Spike Duplicate	T	Solid	9071B	720-32068
MB 720-32068/1-A	Method Blank	T	Solid	9071B	720-32068
720-13024-A-1-M MS	Matrix Spike	T	Solid	9071B	720-32068
720-13024-A-1-N MSD	Matrix Spike Duplicate	T	Solid	9071B	720-32068
720-13041-1	A1-SB01-10	T	Solid	9071B	720-32068
720-13041-2	A1-SB01-18	T	Solid	9071B	720-32068
720-13041-4	A1-SB02-10	T	Solid	9071B	720-32068
720-13041-5	A1-SB02-25	T	Solid	9071B	720-32068
720-13041-7	A1-SB03-12	T	Solid	9071B	720-32068
720-13041-8	A1-SB03-20	T	Solid	9071B	720-32068
720-13041-11	A1-SB05-10	T	Solid	9071B	720-32068
720-13041-12	A1-SB05-20	T	Solid	9071B	720-32068

Report Basis
T = Total

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31939

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31939/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1401
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021508005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		2.2	5.0
Acetone	ND		14	50
Benzene	ND		0.76	5.0
Dichlorobromomethane	ND		0.70	5.0
Bromobenzene	ND		0.92	5.0
Chlorobromomethane	ND		2.6	20
Bromoform	ND		4.0	5.0
Bromomethane	ND		1.9	10
2-Butanone (MEK)	ND		29	50
n-Butylbenzene	ND		0.49	5.0
sec-Butylbenzene	ND		0.57	5.0
tert-Butylbenzene	ND		0.32	5.0
Carbon disulfide	ND		0.73	5.0
Carbon tetrachloride	ND		0.85	5.0
Chlorobenzene	ND		0.68	5.0
Chloroethane	ND		1.1	10
Chloroform	ND		0.98	5.0
Chloromethane	ND		0.86	10
2-Chlorotoluene	ND		0.77	5.0
4-Chlorotoluene	ND		0.41	5.0
Chlorodibromomethane	ND		1.1	5.0
1,2-Dichlorobenzene	ND		0.84	5.0
1,3-Dichlorobenzene	ND		0.36	5.0
1,4-Dichlorobenzene	ND		0.89	5.0
1,3-Dichloropropane	ND		1.0	5.0
1,1-Dichloropropene	ND		1.2	5.0
1,2-Dibromo-3-Chloropropane	ND		6.2	50
Ethylene Dibromide	ND		1.4	5.0
Dibromomethane	ND		1.5	10
Dichlorodifluoromethane	ND		0.87	10
1,1-Dichloroethane	ND		2.5	5.0
1,2-Dichloroethane	ND		0.92	5.0
1,1-Dichloroethene	ND		0.73	5.0
cis-1,2-Dichloroethene	ND		0.97	5.0
trans-1,2-Dichloroethene	ND		1.8	5.0
1,2-Dichloropropane	ND		1.2	5.0
cis-1,3-Dichloropropene	ND		0.67	5.0
trans-1,3-Dichloropropene	ND		0.83	5.0
Ethylbenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.96	5.0
2-Hexanone	ND		2.0	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31939

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31939/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1401
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021508005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		0.41	5.0
4-Isopropyltoluene	ND		0.59	5.0
Methylene Chloride	1.8	J	1.3	10
4-Methyl-2-pentanone (MIBK)	ND		18	50
Naphthalene	ND		0.71	10
N-Propylbenzene	ND		0.57	5.0
Styrene	ND		0.51	5.0
1,1,1,2-Tetrachloroethane	ND		0.50	5.0
1,1,2,2-Tetrachloroethane	ND		1.6	5.0
Tetrachloroethene	ND		1.0	5.0
Toluene	ND		0.94	5.0
1,2,3-Trichlorobenzene	ND		0.77	5.0
1,2,4-Trichlorobenzene	ND		0.42	5.0
1,1,1-Trichloroethane	ND		1.0	5.0
1,1,2-Trichloroethane	ND		1.3	5.0
Trichloroethene	ND		0.90	5.0
Trichlorofluoromethane	ND		0.78	5.0
1,2,3-Trichloropropane	ND		0.96	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	5.0
1,2,4-Trimethylbenzene	ND		0.65	5.0
1,3,5-Trimethylbenzene	ND		0.59	5.0
Vinyl acetate	ND		1.8	50
Vinyl chloride	ND		0.76	5.0
Xylenes, Total	ND		1.6	10
2,2-Dichloropropane	ND		1.5	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	50 - 138
1,2-Dichloroethane-d4 (Surr)	112	66 - 127
Toluene-d8 (Surr)	106	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31939

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31939/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1311
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021508003.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-31939/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1336
Date Prepared: 02/15/2008 1249

Analysis Batch: 720-31977
Prep Batch: 720-31939
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 021508004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	106	101	80 - 120	6	20		
Chlorobenzene	106	99	86 - 115	7	20		
1,1-Dichloroethene	118	110	81 - 140	7	20		
Toluene	106	101	81 - 120	5	20		
Trichloroethene	101	94	82 - 118	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	98	50 - 138
1,2-Dichloroethane-d4 (Surr)	110	105	66 - 127
Toluene-d8 (Surr)	101	97	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31939

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13041-1	Analysis Batch:	720-31977	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-31939	Lab File ID:	021508007.D
Dilution:	1.0			Initial Weight/Volume:	5.23 g
Date Analyzed:	02/15/2008 1459			Final Weight/Volume:	10 mL
Date Prepared:	02/15/2008 1249				

MSD Lab Sample ID:	720-13041-1	Analysis Batch:	720-31977	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-31939	Lab File ID:	021508008.D
Dilution:	1.0			Initial Weight/Volume:	5.24 g
Date Analyzed:	02/15/2008 1524			Final Weight/Volume:	10 mL
Date Prepared:	02/15/2008 1249				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	103	105	63 - 126	1	20		
Chlorobenzene	96	101	57 - 124	5	20		
1,1-Dichloroethene	113	117	66 - 149	3	20		
Toluene	108	107	54 - 131	1	20		
Trichloroethene	107	105	53 - 130	3	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	106	50 - 138
1,2-Dichloroethane-d4 (Surr)	107	113	66 - 127
Toluene-d8 (Surr)	112	104	51 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31984

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31984/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1452
Date Prepared: 02/18/2008 1452

Analysis Batch: 720-31984
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	ND		7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.43	J	0.019	1.0
2-Butanone (MEK)	ND		0.55	50
n-Butylbenzene	ND		0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	ND		0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	ND		0.039	0.50
Hexachlorobutadiene	ND		0.086	1.0
2-Hexanone	ND		3.2	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31984

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31984/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1452
Date Prepared: 02/18/2008 1452

Analysis Batch: 720-31984
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	0.24	J	0.048	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	ND		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	ND		0.059	0.50
Toluene	ND		0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	ND		0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	111	62 - 118
Toluene-d8 (Surr)	102	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31984

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31984/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1345
Date Prepared: 02/18/2008 1345

Analysis Batch: 720-31984
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-31984/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1419
Date Prepared: 02/18/2008 1419

Analysis Batch: 720-31984
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\021
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	89	89	69 - 129	0	20		
Chlorobenzene	99	101	61 - 121	1	20		
1,1-Dichloroethene	91	90	65 - 125	2	20		
Toluene	90	87	70 - 130	4	20		
Trichloroethene	84	83	74 - 134	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	97	101	62 - 118
Toluene-d8 (Surr)	93	95	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31984

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13023-C-4 MS	Analysis Batch: 720-31984	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/18/2008 1632		Final Weight/Volume: 40 mL
Date Prepared:	02/18/2008 1632		

MSD Lab Sample ID:	720-13023-D-4 MSD	Analysis Batch: 720-31984	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/18/2008 1706		Final Weight/Volume: 40 mL
Date Prepared:	02/18/2008 1706		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	90	93	69 - 129	4	20		
Chlorobenzene	99	105	61 - 121	6	20		
1,1-Dichloroethene	93	100	65 - 125	8	20		
Toluene	91	94	70 - 130	3	20		
Trichloroethene	84	88	74 - 134	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	109	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	104	62 - 118
Toluene-d8 (Surr)	96	95	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31985

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31985/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1414
Date Prepared: 02/18/2008 1414

Analysis Batch: 720-31985
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	95	77 - 121
1,2-Dichloroethane-d4 (Surr)	81	73 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31985

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31985/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1222
Date Prepared: 02/18/2008 1222

Analysis Batch: 720-31985
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-31985/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1249
Date Prepared: 02/18/2008 1249

Analysis Batch: 720-31985
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200802\021
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	88	64 - 140	2	20		
Toluene	91	88	52 - 109	3	20		
Gasoline Range Organics (GRO)-C5-C12	61	62	40 - 145	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	98	96	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	95	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31985

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13063-B-4 MS	Analysis Batch: 720-31985	Instrument ID: Saturn 3900B
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/18/2008 1636		Final Weight/Volume: 40 mL
Date Prepared:	02/18/2008 1636		

MSD Lab Sample ID:	720-13063-C-4 MSD	Analysis Batch: 720-31985	Instrument ID: Saturn 3900B
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/18/2008 1703		Final Weight/Volume: 40 mL
Date Prepared:	02/18/2008 1703		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	89	81	64 - 140	9	20		
Toluene	92	85	52 - 109	8	20		
Gasoline Range Organics (GRO)-C5-C12	61	53	40 - 145	14	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	99	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	118	85	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32002

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32002/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1423
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	70 - 130
1,2-Dichloroethane-d4 (Surr)	90	60 - 140

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32002

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32002/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1447
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-32002/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/15/2008 1510
Date Prepared: 02/15/2008 1000

Analysis Batch: 720-32001
Prep Batch: 720-32002
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\021
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	107	102	70 - 123	4	20		
Toluene	115	108	81 - 128	6	20		
Gasoline Range Organics (GRO)-C5-C12	54	54	51 - 97	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	93	93	70 - 130
1,2-Dichloroethane-d4 (Surr)	78	83	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32002

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13028-A-1-B MS	Analysis Batch: 720-32001	Instrument ID: Varian 3900E
Client Matrix:	Solid	Prep Batch: 720-32002	Lab File ID: c:\varianws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 5.21 g
Date Analyzed:	02/15/2008 1925		Final Weight/Volume: 10 mL
Date Prepared:	02/15/2008 1000		

MSD Lab Sample ID:	720-13028-A-1-C MSD	Analysis Batch: 720-32001	Instrument ID: Varian 3900E
Client Matrix:	Solid	Prep Batch: 720-32002	Lab File ID: c:\varianws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 5.18 g
Date Analyzed:	02/15/2008 1948		Final Weight/Volume: 10 mL
Date Prepared:	02/15/2008 1000		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	97	105	70 - 123	8	20		
Toluene	107	112	81 - 128	5	20		
Gasoline Range Organics (GRO)-C5-C12	49	52	51 - 97	7	20	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	97	95	70 - 130
1,2-Dichloroethane-d4 (Surr)	77	79	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32033

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32033/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1043
Date Prepared: 02/19/2008 1043

Analysis Batch: 720-32033
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	ND		0.067	5.0
Acetone	ND		7.4	50
Benzene	ND		0.035	0.50
Dichlorobromomethane	ND		0.13	0.50
Bromobenzene	ND		0.067	1.0
Chlorobromomethane	ND		0.32	1.0
Bromoform	ND		0.087	1.0
Bromomethane	0.30	J	0.019	1.0
2-Butanone (MEK)	1.0	J	0.55	50
n-Butylbenzene	ND		0.038	1.0
sec-Butylbenzene	ND		0.038	1.0
tert-Butylbenzene	ND		0.045	1.0
Carbon disulfide	ND		0.060	5.0
Carbon tetrachloride	ND		0.069	0.50
Chlorobenzene	ND		0.15	0.50
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.049	1.0
Chloromethane	ND		0.069	1.0
2-Chlorotoluene	ND		0.047	0.50
4-Chlorotoluene	ND		0.053	0.50
Chlorodibromomethane	ND		0.084	0.50
1,2-Dichlorobenzene	ND		0.050	0.50
1,3-Dichlorobenzene	ND		0.18	0.50
1,4-Dichlorobenzene	ND		0.19	0.50
1,3-Dichloropropane	ND		0.28	1.0
1,1-Dichloropropene	ND		0.035	0.50
1,2-Dibromo-3-Chloropropane	ND		0.21	1.0
Ethylene Dibromide	ND		0.054	0.50
Dibromomethane	ND		0.078	0.50
Dichlorodifluoromethane	ND		0.032	0.50
1,1-Dichloroethane	ND		0.059	0.50
1,2-Dichloroethane	ND		0.087	0.50
1,1-Dichloroethene	ND		0.054	0.50
cis-1,2-Dichloroethene	ND		0.11	0.50
trans-1,2-Dichloroethene	ND		0.089	0.50
1,2-Dichloropropane	ND		0.076	0.50
cis-1,3-Dichloropropene	ND		0.074	0.50
trans-1,3-Dichloropropene	ND		0.081	0.50
Ethylbenzene	ND		0.039	0.50
Hexachlorobutadiene	0.12	J	0.086	1.0
2-Hexanone	ND		3.2	50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32033

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32033/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1043
Date Prepared: 02/19/2008 1043

Analysis Batch: 720-32033
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	ND		0.068	0.50
4-Isopropyltoluene	ND		0.18	1.0
Methylene Chloride	0.17	J	0.048	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.81	50
Naphthalene	ND		0.096	1.0
N-Propylbenzene	ND		0.044	1.0
Styrene	ND		0.046	0.50
1,1,1,2-Tetrachloroethane	ND		0.24	0.50
1,1,2,2-Tetrachloroethane	ND		0.046	0.50
Tetrachloroethene	ND		0.059	0.50
Toluene	ND		0.049	0.50
1,2,3-Trichlorobenzene	ND		0.16	1.0
1,2,4-Trichlorobenzene	ND		0.059	1.0
1,1,1-Trichloroethane	ND		0.046	0.50
1,1,2-Trichloroethane	ND		0.047	0.50
Trichloroethene	ND		0.063	0.50
Trichlorofluoromethane	ND		0.032	1.0
1,2,3-Trichloropropane	ND		0.055	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.082	0.50
1,2,4-Trimethylbenzene	ND		0.033	0.50
1,3,5-Trimethylbenzene	ND		0.041	0.50
Vinyl acetate	ND		9.9	50
Vinyl chloride	ND		0.040	0.50
Xylenes, Total	ND		0.49	1.0
2,2-Dichloropropane	ND		0.052	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	115	71 - 139
1,2-Dichloroethane-d4 (Surr)	112	62 - 118
Toluene-d8 (Surr)	103	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32033

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32033/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 0936
Date Prepared: 02/19/2008 0936

Analysis Batch: 720-32033
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-32033/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1009
Date Prepared: 02/19/2008 1009

Analysis Batch: 720-32033
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200802\021
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	89	92	69 - 129	3	20		
Chlorobenzene	102	106	61 - 121	3	20		
1,1-Dichloroethene	95	97	65 - 125	2	20		
Toluene	91	91	70 - 130	0	20		
Trichloroethene	83	87	74 - 134	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	100	71 - 139
1,2-Dichloroethane-d4 (Surr)	96	102	62 - 118
Toluene-d8 (Surr)	87	91	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32033

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13048-B-5 MS	Analysis Batch: 720-32033	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/19/2008 1403		Final Weight/Volume: 40 mL
Date Prepared:	02/19/2008 1403		

MSD Lab Sample ID:	720-13048-B-5 MSD	Analysis Batch: 720-32033	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/19/2008 1437		Final Weight/Volume: 40 mL
Date Prepared:	02/19/2008 1437		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	96	97	69 - 129	1	20		
Chlorobenzene	108	105	61 - 121	3	20		
1,1-Dichloroethene	104	101	65 - 125	3	20		
Toluene	95	98	70 - 130	3	20		
Trichloroethene	89	89	74 - 134	1	20		

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
4-Bromofluorobenzene	112	111		71 - 139
1,2-Dichloroethane-d4 (Surr)	116	119	X	62 - 118
Toluene-d8 (Surr)	103	107		73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32149

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32149/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1434
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	89	60 - 140

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32149

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32149/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1703
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\02
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-32149/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1728
Date Prepared: 02/19/2008 1419

Analysis Batch: 720-32147
Prep Batch: 720-32149
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200802\021
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	88	87	70 - 123	1	20		
Toluene	91	91	81 - 128	0	20		
Gasoline Range Organics (GRO)-C5-C12	51	52	51 - 97	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	92	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	86	86	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32149

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13041-12	Analysis Batch: 720-32147	Instrument ID: Varian 3900E
Client Matrix:	Solid	Prep Batch: 720-32149	Lab File ID: c:\varianws\data\200802\(
Dilution:	1.0		Initial Weight/Volume: 5.22 g
Date Analyzed:	02/19/2008 1842		Final Weight/Volume: 10 mL
Date Prepared:	02/19/2008 1419		

MSD Lab Sample ID:	720-13041-12	Analysis Batch: 720-32147	Instrument ID: Varian 3900E
Client Matrix:	Solid	Prep Batch: 720-32149	Lab File ID: c:\varianws\data\200802\02
Dilution:	1.0		Initial Weight/Volume: 5.81 g
Date Analyzed:	02/19/2008 1908		Final Weight/Volume: 10 mL
Date Prepared:	02/19/2008 1419		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	74	76	70 - 123	8	20		
Toluene	81	81	81 - 128	10	20		
Gasoline Range Organics (GRO)-C5-C12	50	51	51 - 97	9	20	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	82	84	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31961

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 720-31961/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1621
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\mb
Initial Weight/Volume: 30.34 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	ND		0.066
Bis(2-chloroethyl)ether	ND		0.066
2-Chlorophenol	ND		0.066
1,3-Dichlorobenzene	ND		0.066
1,4-Dichlorobenzene	ND		0.066
Benzyl alcohol	ND		0.17
1,2-Dichlorobenzene	ND		0.066
2-Methylphenol	ND		0.066
4-Methylphenol	ND		0.066
N-Nitrosodi-n-propylamine	ND		0.066
Hexachloroethane	ND		0.066
Nitrobenzene	ND		0.066
Isophorone	ND		0.066
2-Nitrophenol	ND		0.066
2,4-Dimethylphenol	ND		0.066
Bis(2-chloroethoxy)methane	ND		0.17
2,4-Dichlorophenol	ND		0.33
1,2,4-Trichlorobenzene	ND		0.066
Naphthalene	ND		0.066
4-Chloroaniline	ND		0.066
Hexachlorobutadiene	ND		0.066
4-Chloro-3-methylphenol	ND		0.17
2-Methylnaphthalene	ND		0.066
Hexachlorocyclopentadiene	ND		0.17
2,4,6-Trichlorophenol	ND		0.066
2,4,5-Trichlorophenol	ND		0.066
2-Chloronaphthalene	ND		0.066
2-Nitroaniline	ND		0.33
Dimethyl phthalate	ND		0.17
Acenaphthylene	ND		0.066
3-Nitroaniline	ND		0.17
Acenaphthene	ND		0.066
2,4-Dinitrophenol	ND		0.33
4-Nitrophenol	ND		0.33
Dibenzofuran	ND		0.066
2,4-Dinitrotoluene	ND		0.066
2,6-Dinitrotoluene	ND		0.066
Diethyl phthalate	ND		0.17
4-Chlorophenyl phenyl ether	ND		0.17
Fluorene	ND		0.066
4-Nitroaniline	ND		0.33

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31961

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 720-31961/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1621
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\mb
Initial Weight/Volume: 30.34 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		0.33
N-Nitrosodiphenylamine	ND		0.066
4-Bromophenyl phenyl ether	ND		0.17
Hexachlorobenzene	ND		0.066
Pentachlorophenol	ND		0.33
Phenanthrene	ND		0.066
Anthracene	ND		0.066
Di-n-butyl phthalate	ND		0.17
Fluoranthene	ND		0.066
Pyrene	ND		0.066
Butyl benzyl phthalate	ND		0.17
3,3'-Dichlorobenzidine	ND		0.17
Benzo[a]anthracene	ND		0.33
Bis(2-ethylhexyl) phthalate	ND		0.33
Chrysene	ND		0.066
Di-n-octyl phthalate	ND		0.99
Benzo[b]fluoranthene	ND		0.066
Benzo[a]pyrene	ND		0.066
Benzo[k]fluoranthene	ND		0.066
Indeno[1,2,3-cd]pyrene	ND		0.066
Benzo[g,h,i]perylene	ND		0.066
Benzoic acid	ND		0.33
Azobenzene	ND		0.066
Dibenz(a,h)anthracene	ND		0.066

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	47	23 - 120
2-Fluorobiphenyl	50	30 - 115
Terphenyl-d14	52	18 - 137
2-Fluorophenol	50	25 - 121
Phenol-d5	49	24 - 113
2,4,6-Tribromophenol	48	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31961

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-31961/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1656
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\lcs
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31961/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1730
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\lcsd
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	59	60	5 - 112	2	35		
Bis(2-chloroethyl)ether	53	52	12 - 158	1	35		
2-Chlorophenol	56	56	23 - 134	1	35		
1,3-Dichlorobenzene	48	50	9 - 172	4	35		
1,4-Dichlorobenzene	48	52	20 - 124	8	35		
Benzyl alcohol	64	64	10 - 130	1	35		
1,2-Dichlorobenzene	52	52	32 - 129	1	35		
2-Methylphenol	62	62	10 - 130	0	35		
4-Methylphenol	61	60	10 - 130	3	35		
N-Nitrosodi-n-propylamine	60	57	9 - 230	6	35		
Hexachloroethane	53	54	40 - 113	1	35		
Nitrobenzene	54	51	35 - 180	7	35		
Isophorone	59	54	21 - 196	9	35		
2-Nitrophenol	56	50	29 - 182	11	35		
2,4-Dimethylphenol	61	55	32 - 119	10	35		
Bis(2-chloroethoxy)methane	55	49	33 - 184	11	35		
2,4-Dichlorophenol	58	53	10 - 130	8	35		
1,2,4-Trichlorobenzene	55	49	44 - 142	11	35		
Naphthalene	55	46	21 - 133	17	35		
4-Chloroaniline	28	24	10 - 130	14	35		
Hexachlorobutadiene	55	48	24 - 116	13	35		
4-Chloro-3-methylphenol	67	58	10 - 130	14	35		
2-Methylnaphthalene	58	56	10 - 130	4	35		
Hexachlorocyclopentadiene	60	62	10 - 130	4	35		
2,4,6-Trichlorophenol	53	46	37 - 144	14	35		
2,4,5-Trichlorophenol	56	58	10 - 130	4	35		
2-Chloronaphthalene	55	55	10 - 130	1	35		
2-Nitroaniline	59	54	10 - 130	8	35		
Dimethyl phthalate	70	68	9 - 112	4	35		
Acenaphthylene	69	65	33 - 145	6	35		
3-Nitroaniline	56	54	10 - 130	2	35		
Acenaphthene	51	52	47 - 145	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31961

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-31961/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1656
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\lcs
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31961/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1730
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\lcsd
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-Dinitrophenol	43	45	9 - 191	4	35		
4-Nitrophenol	73	69	10 - 130	5	35		
Dibenzofuran	62	57	10 - 130	9	35		
2,4-Dinitrotoluene	70	59	39 - 139	17	35		
2,6-Dinitrotoluene	63	58	50 - 158	8	35		
Diethyl phthalate	58	54	9 - 114	8	35		
4-Chlorophenyl phenyl ether	60	62	25 - 158	4	35		
Fluorene	61	47	59 - 121	26	35		*
4-Nitroaniline	73	63	10 - 130	14	35		
2-Methyl-4,6-dinitrophenol	64	58	9 - 181	10	35		
N-Nitrosodiphenylamine	63	62	10 - 130	2	35		
4-Bromophenyl phenyl ether	59	57	53 - 127	3	35		
Hexachlorobenzene	57	69	9 - 152	19	35		
Pentachlorophenol	59	56	14 - 176	6	35		
Phenanthrene	56	60	10 - 130	6	35		
Anthracene	59	61	27 - 133	4	35		
Di-n-butyl phthalate	60	63	10 - 130	4	35		
Fluoranthene	61	62	26 - 137	2	35		
Pyrene	60	57	52 - 115	6	35		
Butyl benzyl phthalate	63	61	10 - 130	3	35		
3,3'-Dichlorobenzidine	60	58	10 - 130	4	35		
Benzo[a]anthracene	64	60	33 - 143	6	35		
Bis(2-ethylhexyl) phthalate	66	62	8 - 158	7	35		
Chrysene	64	61	17 - 168	4	35		
Di-n-octyl phthalate	64	59	4 - 146	8	35		
Benzo[b]fluoranthene	62	61	24 - 159	2	35		
Benzo[a]pyrene	59	59	17 - 163	1	35		
Benzo[k]fluoranthene	61	59	11 - 162	3	35		
Indeno[1,2,3-cd]pyrene	61	64	9 - 171	3	35		
Benzo[g,h,i]perylene	62	67	9 - 219	7	35		
Benzoic acid	11	15	10 - 130	29	35		
Azobenzene	55	55	10 - 130	0	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31961

Method: 8270C
Preparation: 3550B

LCS Lab Sample ID: LCS 720-31961/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1656
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\lcs
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31961/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1730
Date Prepared: 02/18/2008 0930

Analysis Batch: 720-32121
Prep Batch: 720-31961
Units: mg/Kg

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\021808\lcsd
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibenz(a,h)anthracene	63	65	10 - 130	3	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	46	43	23 - 120
2-Fluorobiphenyl	44	47	30 - 115
Terphenyl-d14	51	52	18 - 137
2-Fluorophenol	43	41	25 - 121
Phenol-d5	49	47	24 - 113
2,4,6-Tribromophenol	49	40	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31961

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	720-13024-A-1-F MS	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\72
Dilution:	1.0		Initial Weight/Volume: 30.11 g
Date Analyzed:	02/19/2008 0049		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

MSD Lab Sample ID:	720-13024-A-1-G MSD	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\720
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	02/19/2008 0123		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	72	70	5 - 112	3	35		
Bis(2-chloroethyl)ether	60	55	12 - 158	10	35		
2-Chlorophenol	65	64	23 - 134	1	35		
1,3-Dichlorobenzene	49	40	9 - 172	21	35		
1,4-Dichlorobenzene	49	40	20 - 124	21	35		
Benzyl alcohol	75	74	10 - 130	1	35		
1,2-Dichlorobenzene	53	45	32 - 129	16	35		
2-Methylphenol	72	73	10 - 130	2	35		
4-Methylphenol	72	70	10 - 130	3	35		
N-Nitrosodi-n-propylamine	70	72	9 - 230	3	35		
Hexachloroethane	51	44	40 - 113	14	35		
Nitrobenzene	62	62	35 - 180	1	35		
Isophorone	69	74	21 - 196	7	35		
2-Nitrophenol	65	68	29 - 182	4	35		
2,4-Dimethylphenol	69	66	32 - 119	5	35		
Bis(2-chloroethoxy)methane	62	63	33 - 184	1	35		
2,4-Dichlorophenol	64	69	10 - 130	8	35		
1,2,4-Trichlorobenzene	53	53	44 - 142	1	35		
Naphthalene	54	52	21 - 133	4	35		
4-Chloroaniline	36	40	10 - 130	11	35		
Hexachlorobutadiene	52	47	24 - 116	10	35		
4-Chloro-3-methylphenol	72	79	10 - 130	9	35		
2-Methylnaphthalene	53	64	10 - 130	19	35		
Hexachlorocyclopentadiene	67	68	10 - 130	1	35		
2,4,6-Trichlorophenol	66	70	37 - 144	5	35		
2,4,5-Trichlorophenol	72	75	10 - 130	4	35		
2-Chloronaphthalene	63	62	10 - 130	1	35		
2-Nitroaniline	70	73	10 - 130	4	35		
Dimethyl phthalate	83	80	9 - 112	4	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31961

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	720-13024-A-1-F MS	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\72
Dilution:	1.0		Initial Weight/Volume: 30.11 g
Date Analyzed:	02/19/2008 0049		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

MSD Lab Sample ID:	720-13024-A-1-G MSD	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\720
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	02/19/2008 0123		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthylene	77	76	33 - 145	2	35		
3-Nitroaniline	70	71	10 - 130	2	35		
Acenaphthene	57	62	47 - 145	8	35		
2,4-Dinitrophenol	52	60	9 - 191	13	35		
4-Nitrophenol	92	93	10 - 130	1	35		
Dibenzofuran	71	66	10 - 130	8	35		
2,4-Dinitrotoluene	76	74	39 - 139	2	35		
2,6-Dinitrotoluene	76	75	50 - 158	1	35		
Diethyl phthalate	61	63	9 - 114	2	35		
4-Chlorophenyl phenyl ether	67	75	25 - 158	11	35		
Fluorene	70	61	59 - 121	14	35		
4-Nitroaniline	77	80	10 - 130	4	35		
2-Methyl-4,6-dinitrophenol	80	83	9 - 181	3	35		
N-Nitrosodiphenylamine	69	78	10 - 130	12	35		
4-Bromophenyl phenyl ether	67	71	53 - 127	5	35		
Hexachlorobenzene	69	78	9 - 152	12	35		
Pentachlorophenol	66	76	14 - 176	13	35		
Phenanthrene	69	69	10 - 130	1	35		
Anthracene	68	67	27 - 133	1	35		
Di-n-butyl phthalate	70	75	10 - 130	7	35		
Fluoranthene	57	70	26 - 137	20	35		
Pyrene	63	61	52 - 115	3	35		
Butyl benzyl phthalate	70	64	10 - 130	9	35		
3,3'-Dichlorobenzidine	67	60	10 - 130	11	35		
Benzo[a]anthracene	67	63	33 - 143	6	35		
Bis(2-ethylhexyl) phthalate	74	71	8 - 158	4	35		
Chrysene	69	68	17 - 168	1	35		
Di-n-octyl phthalate	69	67	4 - 146	4	35		
Benzo[b]fluoranthene	71	73	24 - 159	3	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31961

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	720-13024-A-1-F MS	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\72
Dilution:	1.0		Initial Weight/Volume: 30.11 g
Date Analyzed:	02/19/2008 0049		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

MSD Lab Sample ID:	720-13024-A-1-G MSD	Analysis Batch: 720-32121	Instrument ID: Sat 2K1
Client Matrix:	Solid	Prep Batch: 720-31961	Lab File ID: d:\data\200802\021808\720
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	02/19/2008 0123		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 0930		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	68	69	17 - 163	0	35		
Benzo[k]fluoranthene	66	68	11 - 162	2	35		
Indeno[1,2,3-cd]pyrene	75	74	9 - 171	1	35		
Benzo[g,h,i]perylene	71	73	9 - 219	2	35		
Benzoic acid	10	20	10 - 130	56	35		F
Azobenzene	67	63	10 - 130	6	35		
Dibenz(a,h)anthracene	73	76	10 - 130	4	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	55	58	23 - 120
2-Fluorobiphenyl	55	60	30 - 115
Terphenyl-d14	62	57	18 - 137
2-Fluorophenol	53	53	25 - 121
Phenol-d5	61	60	24 - 113
2,4,6-Tribromophenol	60	61	19 - 122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31970

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-31970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1455
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\mb
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	ND		2.0
Bis(2-chloroethyl)ether	ND		2.0
2-Chlorophenol	ND		2.0
1,3-Dichlorobenzene	ND		2.0
1,4-Dichlorobenzene	ND		2.0
Benzyl alcohol	ND		5.0
1,2-Dichlorobenzene	ND		2.0
2-Methylphenol	ND		2.0
4-Methylphenol	ND		2.0
N-Nitrosodi-n-propylamine	ND		2.0
Hexachloroethane	ND		2.0
Nitrobenzene	ND		2.0
Isophorone	ND		2.0
2-Nitrophenol	ND		2.0
2,4-Dimethylphenol	ND		2.0
Bis(2-chloroethoxy)methane	ND		5.0
2,4-Dichlorophenol	ND		5.0
1,2,4-Trichlorobenzene	ND		2.0
Naphthalene	ND		2.0
4-Chloroaniline	ND		2.0
Hexachlorobutadiene	ND		2.0
4-Chloro-3-methylphenol	ND		5.0
2-Methylnaphthalene	ND		2.0
Hexachlorocyclopentadiene	ND		5.0
2,4,6-Trichlorophenol	ND		2.0
2,4,5-Trichlorophenol	ND		2.0
2-Chloronaphthalene	ND		2.0
2-Nitroaniline	ND		10
Dimethyl phthalate	ND		5.0
Acenaphthylene	ND		2.0
3-Nitroaniline	ND		5.0
Acenaphthene	ND		2.0
2,4-Dinitrophenol	ND		10
4-Nitrophenol	ND		10
Dibenzofuran	ND		2.0
2,4-Dinitrotoluene	ND		2.0
2,6-Dinitrotoluene	ND		5.0
Diethyl phthalate	ND		5.0
4-Chlorophenyl phenyl ether	ND		5.0
Fluorene	ND		2.0
4-Nitroaniline	ND		10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31970

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-31970/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1455
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\mb
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		10
N-Nitrosodiphenylamine	ND		2.0
4-Bromophenyl phenyl ether	ND		5.0
Hexachlorobenzene	ND		2.0
Pentachlorophenol	ND		10
Phenanthrene	ND		2.0
Anthracene	ND		2.0
Di-n-butyl phthalate	ND		5.0
Fluoranthene	ND		2.0
Pyrene	ND		2.0
Butyl benzyl phthalate	ND		5.0
3,3'-Dichlorobenzidine	ND		5.0
Benzo[a]anthracene	ND		5.0
Bis(2-ethylhexyl) phthalate	ND		10
Chrysene	ND		2.0
Di-n-octyl phthalate	ND		20
Benzo[b]fluoranthene	ND		2.0
Benzo[a]pyrene	ND		2.0
Benzo[k]fluoranthene	ND		2.0
Indeno[1,2,3-cd]pyrene	ND		2.0
Benzo[g,h,i]perylene	ND		2.0
Benzoic acid	ND		10
Azobenzene	ND		2.0
Dibenz(a,h)anthracene	ND		2.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	47	6 - 98
2-Fluorobiphenyl	55	6 - 103
Terphenyl-d14	60	36 - 106
2-Fluorophenol	36	1 - 66
Phenol-d5	19	1 - 47
2,4,6-Tribromophenol	64	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1347
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1421
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	28	28	12 - 89	2	35		
Bis(2-chloroethyl)ether	63	61	43 - 126	4	35		
2-Chlorophenol	63	62	23 - 134	1	25		
1,3-Dichlorobenzene	56	58	17 - 153	3	35		
1,4-Dichlorobenzene	59	55	36 - 97	7	30		
Benzyl alcohol	64	62	10 - 130	3	35		
1,2-Dichlorobenzene	60	57	37 - 92	5	35		
2-Methylphenol	59	64	10 - 130	7	35		
4-Methylphenol	52	55	10 - 130	5	35		
N-Nitrosodi-n-propylamine	70	65	10 - 130	8	34		
Hexachloroethane	62	59	30 - 103	5	35		
Nitrobenzene	61	64	48 - 106	5	35		
Isophorone	68	68	47 - 180	0	35		
2-Nitrophenol	69	68	45 - 166	2	35		
2,4-Dimethylphenol	63	65	42 - 109	3	35		
Bis(2-chloroethoxy)methane	61	60	43 - 164	0	35		
2,4-Dichlorophenol	68	63	53 - 121	7	35		
1,2,4-Trichlorobenzene	59	61	44 - 142	4	35		
Naphthalene	57	57	36 - 119	1	35		
4-Chloroaniline	43	44	10 - 130	1	35		
Hexachlorobutadiene	59	63	38 - 102	7	35		
4-Chloro-3-methylphenol	73	72	22 - 147	2	31		
2-Methylnaphthalene	62	65	10 - 130	4	35		
Hexachlorocyclopentadiene	79	81	10 - 130	3	35		
2,4,6-Trichlorophenol	59	72	47 - 108	20	35		
2,4,5-Trichlorophenol	74	79	20 - 120	6	35		
2-Chloronaphthalene	67	66	10 - 130	2	35		
2-Nitroaniline	74	73	10 - 130	2	35		
Dimethyl phthalate	91	90	10 - 130	1	35		
Acenaphthylene	78	84	54 - 126	8	35		
3-Nitroaniline	77	74	10 - 130	4	35		
Acenaphthene	67	64	48 - 104	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1347
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1421
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-Dinitrophenol	82	88	10 - 130	6	35		
4-Nitrophenol	57	57	1 - 132	0	35		
Dibenzofuran	73	76	10 - 130	4	35		
2,4-Dinitrotoluene	79	81	39 - 139	2	35		
2,6-Dinitrotoluene	79	80	10 - 130	1	35		
Diethyl phthalate	99	85	10 - 130	15	35		
4-Chlorophenyl phenyl ether	73	73	39 - 144	0	35		
Fluorene	74	78	55 - 111	4	35		
4-Nitroaniline	86	93	10 - 130	9	35		
2-Methyl-4,6-dinitrophenol	91	97	53 - 110	6	35		
N-Nitrosodiphenylamine	79	83	14 - 170	5	35		
4-Bromophenyl phenyl ether	73	83	10 - 130	13	35		
Hexachlorobenzene	79	89	8 - 140	11	35		
Pentachlorophenol	84	82	45 - 125	2	35		
Phenanthrene	74	82	44 - 125	10	35		
Anthracene	76	78	44 - 118	3	35		
Di-n-butyl phthalate	80	82	9 - 111	3	35		
Fluoranthene	78	75	43 - 121	5	35		
Pyrene	69	81	52 - 115	16	35		
Butyl benzyl phthalate	74	86	10 - 139	14	35		
3,3'-Dichlorobenzidine	75	84	9 - 212	11	35		
Benzo[a]anthracene	76	82	42 - 133	8	35		
Bis(2-ethylhexyl) phthalate	76	91	29 - 136	18	35		
Chrysene	79	87	42 - 139	10	35		
Di-n-octyl phthalate	71	76	10 - 130	7	35		
Benzo[b]fluoranthene	79	82	42 - 140	5	35		
Benzo[a]pyrene	78	83	32 - 148	7	35		
Benzo[k]fluoranthene	70	79	26 - 145	12	35		
Indeno[1,2,3-cd]pyrene	76	86	10 - 150	13	35		
Benzo[g,h,i]perylene	81	79	10 - 140	2	35		
Benzoic acid	28	24	10 - 130	13	35		
Azobenzene	75	75	12 - 89	1	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31970/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1347
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-31970/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/20/2008 1421
Date Prepared: 02/18/2008 1228

Analysis Batch: 720-32122
Prep Batch: 720-31970
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022008\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibenz(a,h)anthracene	77	81	10 - 130	5	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	54	54	6 - 98
2-Fluorobiphenyl	56	57	6 - 103
Terphenyl-d14	65	73	36 - 106
2-Fluorophenol	35	34	1 - 66
Phenol-d5	23	22	1 - 47
2,4,6-Tribromophenol	59	68	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	720-13063-V-4-A MS	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\72
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2002		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

MSD Lab Sample ID:	720-13063-Z-4-A MSD	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\720
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2036		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	15	17	12 - 89	9	35		
Bis(2-chloroethyl)ether	32	46	43 - 126	38	35	F	F
2-Chlorophenol	32	43	23 - 134	29	25		F
1,3-Dichlorobenzene	30	42	17 - 153	35	35		
1,4-Dichlorobenzene	27	41	36 - 97	40	30	F	F
Benzyl alcohol	35	43	10 - 130	23	35		
1,2-Dichlorobenzene	30	47	49 - 112	44	35	F	F
2-Methylphenol	29	37	10 - 130	22	35		
4-Methylphenol	29	33	10 - 130	13	35		
N-Nitrosodi-n-propylamine	33	53	10 - 130	45	34		F
Hexachloroethane	30	43	55 - 100	36	35	F	F
Nitrobenzene	32	49	55 - 157	40	35	F	F
Isophorone	36	49	47 - 180	30	35	F	
2-Nitrophenol	33	51	45 - 166	41	35	F	F
2,4-Dimethylphenol	37	49	42 - 109	26	35	F	
Bis(2-chloroethoxy)methane	32	46	43 - 164	35	35	F	
2,4-Dichlorophenol	37	47	53 - 121	23	35	F	F
1,2,4-Trichlorobenzene	33	46	44 - 142	33	35	F	
Naphthalene	30	44	36 - 119	24	35	F	
4-Chloroaniline	27	32	10 - 130	17	35		
Hexachlorobutadiene	31	45	38 - 102	36	35	F	F
4-Chloro-3-methylphenol	54	66	22 - 147	20	31		
2-Methylnaphthalene	35	44	10 - 130	22	35		
Hexachlorocyclopentadiene	38	51	10 - 130	30	35		
2,4,6-Trichlorophenol	43	46	55 - 129	8	35	F	F
2,4,5-Trichlorophenol	54	58	20 - 120	8	35		
2-Chloronaphthalene	36	43	10 - 130	17	35		
2-Nitroaniline	51	63	10 - 130	22	35		
Dimethyl phthalate	60	69	10 - 130	13	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	720-13063-V-4-A MS	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\72
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2002		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

MSD Lab Sample ID:	720-13063-Z-4-A MSD	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\720
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2036		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthylene	47	57	54 - 126	19	35	F	
3-Nitroaniline	62	74	10 - 130	19	35		
Acenaphthene	39	46	56 - 118	16	30	F	F
2,4-Dinitrophenol	80	80	10 - 130	1	35		
4-Nitrophenol	41	45	1 - 132	8	35		
Dibenzofuran	47	49	10 - 130	2	35		
2,4-Dinitrotoluene	60	76	39 - 139	24	35		
2,6-Dinitrotoluene	62	63	10 - 130	2	35		
Diethyl phthalate	65	75	10 - 130	14	35		
4-Chlorophenyl phenyl ether	55	58	39 - 144	5	35		
Fluorene	50	62	72 - 108	23	35	F	F
4-Nitroaniline	62	80	10 - 130	25	35		
2-Methyl-4,6-dinitrophenol	71	76	53 - 110	6	35		
N-Nitrosodiphenylamine	62	79	14 - 170	24	35		
4-Bromophenyl phenyl ether	54	65	10 - 130	20	35		
Hexachlorobenzene	55	64	8 - 140	16	35		
Pentachlorophenol	81	93	45 - 125	13	35		
Phenanthrene	55	74	44 - 125	28	35		
Anthracene	57	76	44 - 118	28	35		
Di-n-butyl phthalate	60	72	9 - 111	18	35		
Fluoranthene	55	67	43 - 121	20	35		
Pyrene	61	80	52 - 115	27	35		
Butyl benzyl phthalate	64	87	10 - 139	30	35		
3,3'-Dichlorobenzidine	0	0	9 - 212	NC	35	F	F
Benzo[a]anthracene	62	82	42 - 133	27	35		
Bis(2-ethylhexyl) phthalate	68	85	29 - 136	22	35		
Chrysene	61	75	42 - 139	21	35		
Di-n-octyl phthalate	61	76	10 - 130	22	35		
Benzo[b]fluoranthene	59	81	42 - 140	32	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31970

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	720-13063-V-4-A MS	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\72
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2002		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

MSD Lab Sample ID:	720-13063-Z-4-A MSD	Analysis Batch: 720-32122	Instrument ID: Sat 2K1
Client Matrix:	Water	Prep Batch: 720-31970	Lab File ID: d:\data\200802\022008\720
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/20/2008 2036		Final Weight/Volume: 1 mL
Date Prepared:	02/18/2008 1228		Injection Volume:

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	62	78	32 - 148	23	35		
Benzo[k]fluoranthene	55	67	26 - 145	20	35		
Indeno[1,2,3-cd]pyrene	64	80	10 - 150	22	35		
Benzo[g,h,i]perylene	65	80	10 - 140	22	35		
Benzoic acid	28	23	10 - 130	21	35		
Azobenzene	51	58	12 - 89	14	35		
Dibenz(a,h)anthracene	66	81	10 - 130	20	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	29	45	6 - 98
2-Fluorobiphenyl	30	39	6 - 103
Terphenyl-d14	58	77	36 - 106
2-Fluorophenol	19	23	1 - 66
Phenol-d5	12	13	1 - 47
2,4,6-Tribromophenol	57	66	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32096

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-32096/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1307
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\MB
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	ND		2.0
Bis(2-chloroethyl)ether	ND		2.0
2-Chlorophenol	ND		2.0
1,3-Dichlorobenzene	ND		2.0
1,4-Dichlorobenzene	ND		2.0
Benzyl alcohol	ND		5.0
1,2-Dichlorobenzene	ND		2.0
2-Methylphenol	ND		2.0
4-Methylphenol	ND		2.0
N-Nitrosodi-n-propylamine	ND		2.0
Hexachloroethane	ND		2.0
Nitrobenzene	ND		2.0
Isophorone	ND		2.0
2-Nitrophenol	ND		2.0
2,4-Dimethylphenol	ND		2.0
Bis(2-chloroethoxy)methane	ND		5.0
2,4-Dichlorophenol	ND		5.0
1,2,4-Trichlorobenzene	ND		2.0
Naphthalene	ND		2.0
4-Chloroaniline	ND		2.0
Hexachlorobutadiene	ND		2.0
4-Chloro-3-methylphenol	ND		5.0
2-Methylnaphthalene	ND		2.0
Hexachlorocyclopentadiene	ND		5.0
2,4,6-Trichlorophenol	ND		2.0
2,4,5-Trichlorophenol	ND		2.0
2-Chloronaphthalene	ND		2.0
2-Nitroaniline	ND		10
Dimethyl phthalate	ND		5.0
Acenaphthylene	ND		2.0
3-Nitroaniline	ND		5.0
Acenaphthene	ND		2.0
2,4-Dinitrophenol	ND		10
4-Nitrophenol	ND		10
Dibenzofuran	ND		2.0
2,4-Dinitrotoluene	ND		2.0
2,6-Dinitrotoluene	ND		5.0
Diethyl phthalate	ND		5.0
4-Chlorophenyl phenyl ether	ND		5.0
Fluorene	ND		2.0
4-Nitroaniline	ND		10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32096

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 720-32096/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1307
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\MB
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
2-Methyl-4,6-dinitrophenol	ND		10
N-Nitrosodiphenylamine	ND		2.0
4-Bromophenyl phenyl ether	ND		5.0
Hexachlorobenzene	ND		2.0
Pentachlorophenol	ND		10
Phenanthrene	ND		2.0
Anthracene	ND		2.0
Di-n-butyl phthalate	ND		5.0
Fluoranthene	ND		2.0
Pyrene	ND		2.0
Butyl benzyl phthalate	ND		5.0
3,3'-Dichlorobenzidine	ND		5.0
Benzo[a]anthracene	ND		5.0
Bis(2-ethylhexyl) phthalate	ND		10
Chrysene	ND		2.0
Di-n-octyl phthalate	ND		20
Benzo[b]fluoranthene	ND		2.0
Benzo[a]pyrene	ND		2.0
Benzo[k]fluoranthene	ND		2.0
Indeno[1,2,3-cd]pyrene	ND		2.0
Benzo[g,h,i]perylene	ND		2.0
Benzoic acid	ND		10
Azobenzene	ND		2.0
Dibenz(a,h)anthracene	ND		2.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	60	6 - 98
2-Fluorobiphenyl	56	6 - 103
Terphenyl-d14	62	36 - 106
2-Fluorophenol	38	1 - 66
Phenol-d5	21	1 - 47
2,4,6-Tribromophenol	63	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32096

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-32096/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1159
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-32096/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1233
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	29	35	12 - 89	19	35		
Bis(2-chloroethyl)ether	63	62	43 - 126	1	35		
2-Chlorophenol	61	64	23 - 134	6	25		
1,3-Dichlorobenzene	48	45	17 - 153	7	35		
1,4-Dichlorobenzene	45	42	36 - 97	6	30		
Benzyl alcohol	61	66	10 - 130	8	35		
1,2-Dichlorobenzene	51	48	37 - 92	6	35		
2-Methylphenol	59	64	10 - 130	9	35		
4-Methylphenol	54	60	10 - 130	10	35		
N-Nitrosodi-n-propylamine	62	69	10 - 130	10	34		
Hexachloroethane	49	45	30 - 103	9	35		
Nitrobenzene	64	67	48 - 106	6	35		
Isophorone	68	70	47 - 180	2	35		
2-Nitrophenol	68	71	45 - 166	3	35		
2,4-Dimethylphenol	64	73	42 - 109	14	35		
Bis(2-chloroethoxy)methane	60	64	43 - 164	5	35		
2,4-Dichlorophenol	65	69	53 - 121	6	35		
1,2,4-Trichlorobenzene	52	51	44 - 142	3	35		
Naphthalene	56	56	36 - 119	0	35		
4-Chloroaniline	41	43	10 - 130	5	35		
Hexachlorobutadiene	48	49	38 - 102	3	35		
4-Chloro-3-methylphenol	72	79	22 - 147	8	31		
2-Methylnaphthalene	59	63	10 - 130	6	35		
Hexachlorocyclopentadiene	71	72	10 - 130	1	35		
2,4,6-Trichlorophenol	73	75	47 - 108	3	35		
2,4,5-Trichlorophenol	83	79	20 - 120	5	35		
2-Chloronaphthalene	69	68	10 - 130	1	35		
2-Nitroaniline	76	77	10 - 130	2	35		
Dimethyl phthalate	87	91	10 - 130	5	35		
Acenaphthylene	83	84	54 - 126	1	35		
3-Nitroaniline	74	68	10 - 130	8	35		
Acenaphthene	67	67	48 - 104	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32096

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-32096/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1159
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-32096/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1233
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-Dinitrophenol	86	88	10 - 130	1	35		
4-Nitrophenol	55	61	1 - 132	10	35		
Dibenzofuran	73	74	10 - 130	2	35		
2,4-Dinitrotoluene	86	92	39 - 139	7	35		
2,6-Dinitrotoluene	79	79	10 - 130	0	35		
Diethyl phthalate	91	91	10 - 130	0	35		
4-Chlorophenyl phenyl ether	78	81	39 - 144	3	35		
Fluorene	81	79	55 - 111	3	35		
4-Nitroaniline	95	95	10 - 130	0	35		
2-Methyl-4,6-dinitrophenol	82	84	53 - 110	3	35		
N-Nitrosodiphenylamine	75	77	14 - 170	3	35		
4-Bromophenyl phenyl ether	70	70	10 - 130	0	35		
Hexachlorobenzene	65	78	8 - 140	17	35		
Pentachlorophenol	70	72	45 - 125	3	35		
Phenanthrene	65	69	44 - 125	6	35		
Anthracene	68	75	44 - 118	10	35		
Di-n-butyl phthalate	77	79	9 - 111	3	35		
Fluoranthene	68	71	43 - 121	5	35		
Pyrene	64	65	52 - 115	3	35		
Butyl benzyl phthalate	68	79	10 - 139	15	35		
3,3'-Dichlorobenzidine	67	66	9 - 212	1	35		
Benzo[a]anthracene	65	73	42 - 133	12	35		
Bis(2-ethylhexyl) phthalate	70	80	29 - 136	12	35		
Chrysene	66	69	42 - 139	5	35		
Di-n-octyl phthalate	67	71	10 - 130	6	35		
Benzo[b]fluoranthene	73	72	42 - 140	2	35		
Benzo[a]pyrene	72	78	32 - 148	8	35		
Benzo[k]fluoranthene	63	69	26 - 145	9	35		
Indeno[1,2,3-cd]pyrene	71	80	10 - 150	12	35		
Benzo[g,h,i]perylene	72	78	10 - 140	9	35		
Benzoic acid	23	31	10 - 130	31	35		
Azobenzene	71	74	12 - 89	4	35		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32096

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 720-32096/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1159
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcs
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-32096/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1233
Date Prepared: 02/20/2008 1528

Analysis Batch: 720-32156
Prep Batch: 720-32096
Units: ug/L

Instrument ID: Sat 2K1
Lab File ID: d:\data\200802\022108\lcsd
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibenz(a,h)anthracene	76	77	10 - 130	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	66	65	6 - 98
2-Fluorobiphenyl	73	76	6 - 103
Terphenyl-d14	68	70	36 - 106
2-Fluorophenol	40	46	1 - 66
Phenol-d5	29	35	1 - 47
2,4,6-Tribromophenol	80	83	22 - 124

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-31965

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-31965/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0549
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	83	40 - 119

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31965

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-31965/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0454
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31965/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 0521
Date Prepared: 02/18/2008 1116

Analysis Batch: 720-32132
Prep Batch: 720-31965
Units: mg/Kg

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.34 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	71	68	50 - 130	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	83	78	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31965

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-13039-D-21-C MS	Analysis Batch: 720-32132	Instrument ID: HP DRO5
Client Matrix:	Solid	Prep Batch: 720-31965	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.34 g
Date Analyzed:	02/20/2008 0334		Final Weight/Volume: 5 mL
Date Prepared:	02/18/2008 1116		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-13039-D-21-D MSD	Analysis Batch: 720-32132	Instrument ID: HP DRO5
Client Matrix:	Solid	Prep Batch: 720-31965	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.28 g
Date Analyzed:	02/20/2008 0400		Final Weight/Volume: 5 mL
Date Prepared:	02/18/2008 1116		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	64	69	50 - 130	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	75	81	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-31986

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-31986/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1336
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	89	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31986

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31986/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1242
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31986/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1309
Date Prepared: 02/18/2008 1821

Analysis Batch: 720-32093
Prep Batch: 720-31986
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	67	74	50 - 130	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	85	91	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31960

Method: 8082
Preparation: 3550B

Lab Sample ID: MB 720-31960/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1325
Date Prepared: 02/18/2008 0822

Analysis Batch: 720-31996
Prep Batch: 720-31960
Units: ug/Kg

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 30.25 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		50
PCB-1221	ND		50
PCB-1232	ND		50
PCB-1242	ND		50
PCB-1248	ND		50
PCB-1254	ND		50
PCB-1260	ND		50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	96	46 - 111
DCB Decachlorobiphenyl	82	34 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31960

Method: 8082
Preparation: 3550B

LCS Lab Sample ID:	LCS 720-31960/2-A	Analysis Batch: 720-31996	Instrument ID: Agilent PCB 2
Client Matrix:	Solid	Prep Batch: 720-31960	Lab File ID: N/A
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.15 g
Date Analyzed:	02/18/2008 1344		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 0822		Injection Volume:
			Column ID: PRIMARY

LCSD Lab Sample ID:	LCSD 720-31960/3-A	Analysis Batch: 720-31996	Instrument ID: Agilent PCB 2
Client Matrix:	Solid	Prep Batch: 720-31960	Lab File ID: N/A
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.25 g
Date Analyzed:	02/18/2008 1403		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 0822		Injection Volume:
			Column ID: PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	106	102	66 - 116	5	21		
PCB-1260	93	89	57 - 110	5	24		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	92	91	46 - 111
DCB Decachlorobiphenyl	82	76	34 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31960

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	720-13041-12	Analysis Batch: 720-31996	Instrument ID: Agilent PCB 2
Client Matrix:	Solid	Prep Batch: 720-31960	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.12 g
Date Analyzed:	02/18/2008 1839		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 0822		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-13041-12	Analysis Batch: 720-31996	Instrument ID: Agilent PCB 2
Client Matrix:	Solid	Prep Batch: 720-31960	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.24 g
Date Analyzed:	02/18/2008 1858		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 0822		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	97	99	25 - 147	2	38		
PCB-1260	89	89	14 - 145	0	48		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	83	87	46 - 111
DCB Decachlorobiphenyl	75	75	34 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31978

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 720-31978/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1514
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978
Units: ug/L

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.052	0.50
PCB-1221	ND		0.052	0.50
PCB-1232	ND		0.052	0.50
PCB-1242	ND		0.052	0.50
PCB-1248	ND		0.052	0.50
PCB-1254	ND		0.052	0.50
PCB-1260	ND		0.052	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	47 - 114
DCB Decachlorobiphenyl	46	17 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31978

Method: 8082
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31978/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1533
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978
Units: ug/L

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31978/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1552
Date Prepared: 02/18/2008 1517

Analysis Batch: 720-32074
Prep Batch: 720-31978
Units: ug/L

Instrument ID: Agilent PCB 2
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	88	85	68 - 134	3	22		
PCB-1260	86	85	60 - 133	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	70	63	47 - 114
DCB Decachlorobiphenyl	75	75	17 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31978

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	720-13063-X-4-A MS	Analysis Batch: 720-32074	Instrument ID: Agilent PCB 2
Client Matrix:	Water	Prep Batch: 720-31978	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/19/2008 1806		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 1517		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	720-13063-AA-4-A MSD	Analysis Batch: 720-32074	Instrument ID: Agilent PCB 2
Client Matrix:	Water	Prep Batch: 720-31978	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/19/2008 1825		Final Weight/Volume: 10 mL
Date Prepared:	02/18/2008 1517		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	78	77	65 - 135	1	35		
PCB-1260	68	71	65 - 135	4	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	61	65	47 - 114
DCB Decachlorobiphenyl	44	46	17 - 106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31947

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-31947/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1133
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Cadmium	ND		0.50
Chromium	ND		1.0
Lead	ND		1.0
Barium	ND		1.0
Silver	ND		1.0
Arsenic	ND		1.0
Selenium	ND		2.0

LCS-Standard Reference Material - Batch: 720-31947

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-31947/25-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1323
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	42.2	38.5	91	67 - 118	
Chromium	246	226	92	67 - 121	
Lead	44.1	37.7	85	62 - 113	
Barium	145	131	91	61 - 117	
Silver	79.5	75.0	94	51 - 130	
Arsenic	22.7	20.4	90	69 - 119	
Selenium	165	154	93	63 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31947

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-31947/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1136
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31947/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/19/2008 1150
Date Prepared: 02/15/2008 1424

Analysis Batch: 720-32031
Prep Batch: 720-31947
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cadmium	103	100	80 - 120	3	20		
Chromium	105	101	80 - 120	4	20		
Lead	103	99	80 - 120	4	20		
Barium	100	97	80 - 120	3	20		
Silver	101	98	80 - 120	4	20		
Arsenic	107	103	80 - 120	3	20		
Selenium	108	104	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31947

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	720-13039-A-20-B MS	Analysis Batch: 720-32031	Instrument ID: Varian ICP
Client Matrix:	Solid	Prep Batch: 720-31947	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.00 g
Date Analyzed:	02/19/2008 1153		Final Weight/Volume: 50 mL
Date Prepared:	02/15/2008 1424		

MSD Lab Sample ID:	720-13039-A-20-C MSD	Analysis Batch: 720-32031	Instrument ID: Varian ICP
Client Matrix:	Solid	Prep Batch: 720-31947	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.02 g
Date Analyzed:	02/19/2008 1157		Final Weight/Volume: 50 mL
Date Prepared:	02/15/2008 1424		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	82	82	75 - 125	2	20		
Chromium	87	86	75 - 125	2	20		
Lead	82	81	75 - 125	3	20		
Barium	99	85	75 - 125	10	20		
Silver	88	87	75 - 125	3	20		
Arsenic	86	86	75 - 125	2	20		
Selenium	87	86	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-31962

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 720-31962/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1326
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Cadmium	ND		0.0020
Chromium	ND		0.0050
Lead	ND		0.0050
Barium	ND		0.0050
Silver	ND		0.0050
Arsenic	ND		0.0050
Selenium	ND		0.0050

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31962

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID: LCS 720-31962/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31962/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1333
Date Prepared: 02/18/2008 1024

Analysis Batch: 720-32031
Prep Batch: 720-31962
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cadmium	99	97	80 - 120	2	20		
Chromium	102	100	80 - 120	2	20		
Lead	99	98	80 - 120	2	20		
Barium	106	104	80 - 120	2	20		
Silver	96	94	80 - 120	1	20		
Arsenic	100	98	80 - 120	2	20		
Selenium	101	99	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31962

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	720-13063-A-4-A MS	Analysis Batch: 720-32031	Instrument ID: Varian ICP
Client Matrix:	Water	Prep Batch: 720-31962	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/19/2008 1336		Final Weight/Volume: 50 mL
Date Prepared:	02/18/2008 1024		

MSD Lab Sample ID:	720-13063-A-4-B MSD	Analysis Batch: 720-32031	Instrument ID: Varian ICP
Client Matrix:	Water	Prep Batch: 720-31962	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/19/2008 1340		Final Weight/Volume: 50 mL
Date Prepared:	02/18/2008 1024		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	95	94	75 - 125	1	25		
Chromium	99	98	75 - 125	2	25		
Lead	94	92	75 - 125	2	25		
Barium	101	94	75 - 125	4	25		
Silver	106	104	75 - 125	2	25		
Arsenic	107	105	75 - 125	2	25		
Selenium	109	106	75 - 125	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31959

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 720-31959/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1153
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.00020

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31959

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID: LCS 720-31959/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1154
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31959/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/18/2008 1155
Date Prepared: 02/18/2008 0820

Analysis Batch: 720-31971
Prep Batch: 720-31959
Units: mg/L

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	105	104	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31959

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	720-13041-3	Analysis Batch:	720-31971	Instrument ID:	FIMS 100
Client Matrix:	Water	Prep Batch:	720-31959	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	02/18/2008 1156			Final Weight/Volume:	50 mL
Date Prepared:	02/18/2008 0820				

MSD Lab Sample ID:	720-13041-3	Analysis Batch:	720-31971	Instrument ID:	FIMS 100
Client Matrix:	Water	Prep Batch:	720-31959	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	02/18/2008 1157			Final Weight/Volume:	50 mL
Date Prepared:	02/18/2008 0820				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	103	104	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31952

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-31952/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1040
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31952

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-31952/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1041
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-31952/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/18/2008 1042
Date Prepared: 02/15/2008 1543

Analysis Batch: 720-31969
Prep Batch: 720-31952
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	103	101	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31952

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	720-13039-A-21-B MS	Analysis Batch: 720-31969	Instrument ID: FIMS 100
Client Matrix:	Solid	Prep Batch: 720-31952	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.99 g
Date Analyzed:	02/18/2008 1044		Final Weight/Volume: 50 mL
Date Prepared:	02/15/2008 1543		

MSD Lab Sample ID:	720-13039-A-21-C MSD	Analysis Batch: 720-31969	Instrument ID: FIMS 100
Client Matrix:	Solid	Prep Batch: 720-31952	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.02 g
Date Analyzed:	02/18/2008 1045		Final Weight/Volume: 50 mL
Date Prepared:	02/15/2008 1543		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	116	116	75 - 125	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-31982

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 720-31982/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1727

Analysis Batch: 720-32012
Prep Batch: 720-31982
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
HEM (Oil & Grease)	ND		0.25	2.0

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31982

Method: 1664A
Preparation: 1664A

LCS Lab Sample ID: LCS 720-31982/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1727

Analysis Batch: 720-32012
Prep Batch: 720-31982
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

LCSD Lab Sample ID: LCSD 720-31982/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/19/2008 1329
Date Prepared: 02/18/2008 1727

Analysis Batch: 720-32012
Prep Batch: 720-31982
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
HEM (Oil & Grease)	91	99	84 - 104	9	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31982

Method: 1664A
Preparation: 1664A

MS Lab Sample ID:	720-13063-AF-4-A MS	Analysis Batch: 720-32012	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: 720-31982	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 960 mL
Date Analyzed:	02/19/2008 1329		Final Weight/Volume: 960 mL
Date Prepared:	02/18/2008 1727		

MSD Lab Sample ID:	720-13063-AD-4-A MSD	Analysis Batch: 720-32012	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: 720-31982	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	02/19/2008 1329		Final Weight/Volume: 970 mL
Date Prepared:	02/18/2008 1727		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
HEM (Oil & Grease)	55	60	87 - 100	9	13	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Method Blank - Batch: 720-32068

Method: 9071B
Preparation: 9071B

Lab Sample ID: MB 720-32068/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1215
Date Prepared: 02/20/2008 1140

Analysis Batch: 720-32071
Prep Batch: 720-32068
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.03 g
Final Weight/Volume: 10.03 mL

Analyte	Result	Qual	RL
HEM	ND		100

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32068

Method: 9071B
Preparation: 9071B

LCS Lab Sample ID: LCS 720-32068/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1215
Date Prepared: 02/20/2008 1140

Analysis Batch: 720-32071
Prep Batch: 720-32068
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.06 g
Final Weight/Volume: 10.06 mL

LCSD Lab Sample ID: LCSD 720-32068/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/20/2008 1215
Date Prepared: 02/20/2008 1140

Analysis Batch: 720-32071
Prep Batch: 720-32068
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.08 g
Final Weight/Volume: 10.08 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
HEM	89	89	79 - 120	0	18		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ERRG

Job Number: 720-13041-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32068

Method: 9071B
Preparation: 9071B

MS Lab Sample ID:	720-13024-A-1-M MS	Analysis Batch: 720-32071	Instrument ID: No Equipment Assigned
Client Matrix:	Solid	Prep Batch: 720-32068	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10.09 g
Date Analyzed:	02/20/2008 1215		Final Weight/Volume: 10.09 mL
Date Prepared:	02/20/2008 1140		

MSD Lab Sample ID:	720-13024-A-1-N MSD	Analysis Batch: 720-32071	Instrument ID: No Equipment Assigned
Client Matrix:	Solid	Prep Batch: 720-32068	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10.11 g
Date Analyzed:	02/20/2008 1215		Final Weight/Volume: 10.11 mL
Date Prepared:	02/20/2008 1140		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
HEM	46	56	79 - 120	18	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 109456
Date 2/14/08 Page 1 of 2

720-13041

Report To
Attn: SC Knight, M Eunan.
Company: ERRG
Address: 115 Sansome St SF
Phone: 415-250 9842 Email: Samantha Knight
Bill To: SC Knight ERRG
Sampled By: SCK
Attn:
Phone: 415 250 9842

Analysis Request

	Sample ID	Date	Time	Matrix	Preserv.	TPH EPA 8015/8021 / BTEX / MTBE	Purgeable Aromatics BTEX	TEPH EPA 8015M (Diesel/Motor Oil)	Fuel Tests EPA 8260B	Purgeable Halocarbons	Volatile Organics GC/MS (VOCs) EPA 8260B	Semivolatiles GC/MS EPA 8270	Oil and Grease	Pesticides / PCBs EPA 8082	PNAs	CAM17 Metals	Metals: LUFT / RCRA	Low Level Metals	W.E.T (STLC) / TCLP	Hexavalent Chromium / pH	Spec Cond. / TSS / Alkalinity / TDS	Anions	Number of Containers	
1.	Al-SB01-10	2/14/08	0830	S	—	X		X			X	X		X			X						1	FC
2	Al-SB01-18	2/14/08	0910	S	—	X		X			X	X		X			X						1	↓
3.	Al-SB01-W	2/14/08	0940	Aq	Vars	X		X			X	X		X			X						12	
4.	Al-SB02-10	2/14/08	1000	S	—	X		X			X	X		X			X						1	4oz
5	Al-SB02-35	2/14/08	1035	S	—	X		X			X	X		X			X						1	FC
6	Al-SB02-W	2/14/08	1110	Aq	Vars	X		X			X	X		X			X						12	
7.	Al-SB03-12	2/14/08	1130	S	—	X		X			X	X		X			X						1	FC
8	Al-SB03-20	2/14/08	1145	S	—	X		X			X	X		X			X						1	4oz
9	Al-SB20-W	2/14/08	1200	Aq	Vars	X		X			X	X		X			X						12	
10	Al-SB03-W	2/14/08	1300	Aq	Vars	X		X			X	X		X			X						12	

Project Info.
Project Name: USCG Cost Investigation
Project#: 27.167
PO#:
Credit Card#:

Sample Receipt
# of Containers: total 68
Head Space:
Temp: 2.5, 3.7, 2.1
Conforms to record:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF
Special Instructions / Comments: ☐ Global ID

1) Relinquished by: [signature] Time 1610
Printed Name: SC Knight Date 2/14/08
Company: ERRG

2) Relinquished by: [signature] Time 1710
Printed Name: T. Lewis Date 2/14/08
Company: TAL-SF

3) Relinquished by:
Signature Time
Printed Name Date
Company

1) Received by: [signature] Time 1610
Printed Name: T. Lewis Date 2/14/08
Company: TAL-SF

2) Received by: [signature] Time 1710
Printed Name: T. Bullock Date 2/14/08
Company: TAL-SF

3) Received by:
Signature Time
Printed Name Date
Company

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

Rev 06/04

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TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 109456
Date 2/14/08 Page 2 of 2

720-13041

Report To

Attn: S CKnight + M Enman
Company: ERRG
Address:
Phone: Email:
Bill To: Sampled By: SCK
Attn: Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH EPA - ☐ 8015/8021 ☐ 8260B ☒ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxygenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☒ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☒ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	Number of Containers
11 AI-SB05-10	2/14/08	1445	S	—	X		X			X	X		X		X						1 - 4oz
12 AI-SB05-20	2/14/08	1500	S	—	X		X			X	X		X		X						1 - FC
13 AI-SB05-W	2/14/08	1530	Aq	vons	X		X			X	X		X		X						12

Project Info.

Project Name:
Project#:
PO#:
Credit Card#:

Sample Receipt

of Containers: total 69
Head Space:
Temp: 2.5, 3.7, 2.1
Conforms to record:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID

See Terms and Conditions on reverse.
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by	2) Relinquished by	3) Relinquished by
Signature: [signature] Time: 1610	Signature: [signature] Time: 1710	Signature: Time:
Printed Name: S C Knight Date: 2/14/08	Printed Name: T. Lewis Date: 2/14/08	Printed Name: Date:
Company: ERRG	Company: TAL-SF	Company:
1) Received by	**2) Received by**	**3) Received by**
Signature: [signature] Time: 1610	Signature: [signature] Time: 1710	Signature: Time:
Printed Name: T. Lewis 2/14/08 Date:	Printed Name: T. Bullock Date: 2/14/08	Printed Name: Date:
Company: TAL-SF	Company: TAL-SF	Company:

Rev 06/04

Login Sample Receipt Check List

Client: ERRG

Job Number: 720-13041-1

Login Number: 13041
List Source: TestAmerica San Francisco
Creator: Bullock, Tracy
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	