Task 210
Subsurface Site Investigation
I-95 Infrastructure Improvements & Auxiliary Lanes Interchange 14 To 15 Norwalk, Connecticut
ConnDOT Project Number: 102-278
ConnDOT Assignment No. 103-3631

Prepared for

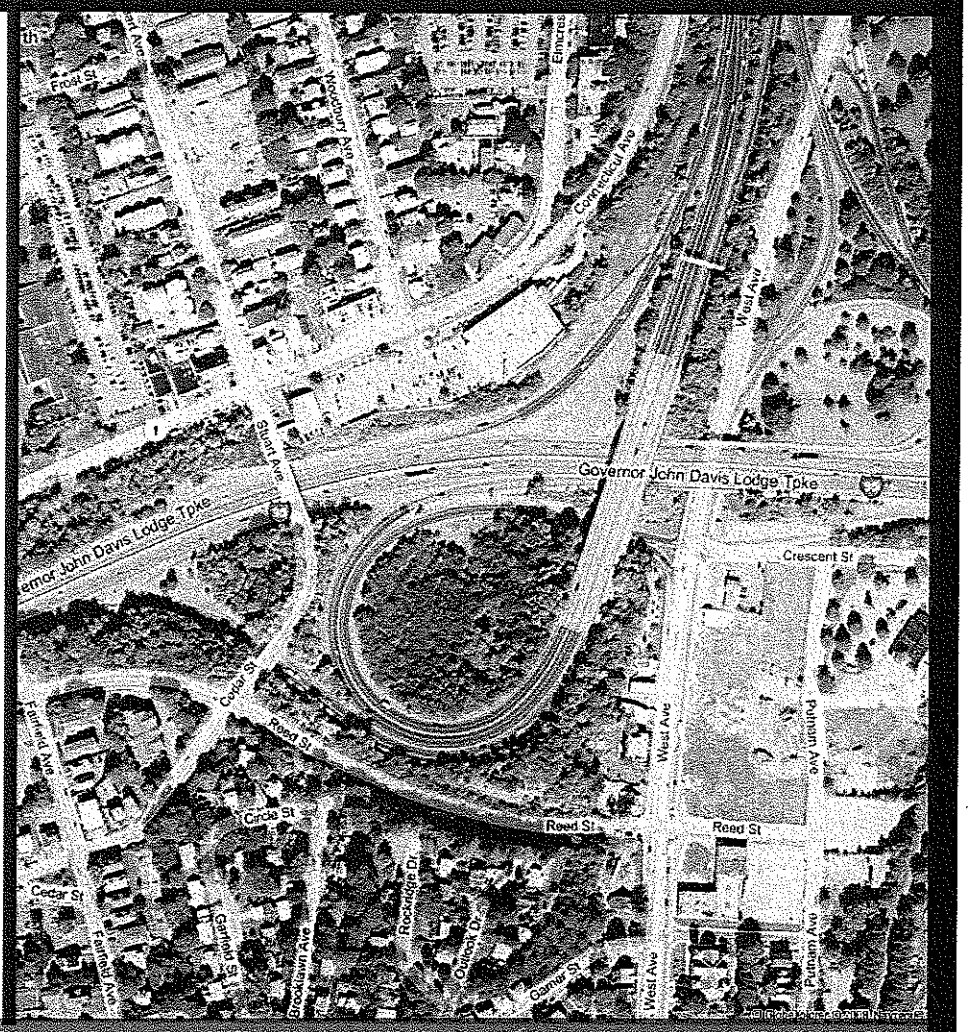
State of Connecticut
Department of Transportation
Division of
Environmental Compliance
Bureau of Engineering and
Highway Operations

Newington, Connecticut

Prepared by

Windsor, Connecticut

April 2009



TASK 210
SUBSURFACE SITE INVESTIGATION
I-95 INFRASTRUCTURE IMPROVEMENTS & AUXILIARY LANES
INTERCHANGE 14 TO 15
NORWALK, CONNECTICUT

ConnDOT Project Number: 102-278
ConnDOT Assignment No. 103-3631

Prepared for
State of Connecticut Department of Transportation
Newington, Connecticut

Prepared by
TRC
Windsor, Connecticut

TRC Project No. 107307-003631-000210
ConnDOT Project No. 103-3631

April 2009

21 Griffin Road North
Windsor, CT 06095
Phone: (860) 298-9692/Fax: (860) 298-6399

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1.0 INTRODUCTION

1.1 Overview

Pursuant to TRC's Connecticut Department of Transportation (ConnDOT) Contract for On-Call Environmental Services, TRC performed a Task 210 Subsurface Site Investigation in the vicinity of the Exits 14 and 15 Interchange of Interstate 95 (I-95) in Norwalk, Connecticut (Figure 1). This investigation was conducted as part of the preliminary activities associated with future improvements along the I-95 corridor under ConnDOT Project No. 102-278/306. TRC's study was within the footprint of future drainage improvements that span approximately 750 meters from the Fairfield Avenue intersection with Connecticut Avenue and southbound I-95 to the Exit 15 Interchange.

1.2 Objectives

TRC reviewed ConnDOT's conceptual construction plans of the I-95 corridor improvements prepared by H.W. Lochner, Inc., of Rocky Hill, Connecticut (July, and October 2008). Future site improvements include continuous auxiliary lanes between Exits 14 and 15, as well as additional infrastructure improvements, including replacement of the overpass bridges and drainage system. The primary objective of this subsurface investigation was to determine if there are any impacts to the shallow soils or ground water up to twelve feet below the ground surface. This depth corresponds to the approximate depth to which new structural supports will be installed.

The analytical results of the soil and ground water sampling conducted as part of this Task 210 will be compared to the numerical criteria set forth in Connecticut's Remediation Standard Regulations (RSRs). This evaluation of the potential presence of contaminants will aid in managing the materials encountered during the construction activities.

1.3 Background

The proposed construction activities will take place along the southbound side of I-95 between Exits 14 and 15 in Norwalk, Connecticut. Improvements will begin at the intersection of Connecticut Avenue (U.S. Route 1) and Fairfield Avenue, extending south toward I-95. Construction will then proceed east along the southbound side of I-95 to the Route 7 interchange overpass and along the Route 7/I-95 interchanges at West Avenue. A proposed sedimentation

pond is to be located in the interior of the Route 7 north and I-95 south interchange loop off of northbound West Avenue (see Figure 1-1).

1.4 Geologic/Physical Setting

As indicated by the Surficial Materials Map of Connecticut (Stone, 1992), the project area to the west of Route 7 is located within an area where till is less than 10-15 feet thick and includes areas of bedrock outcrops where till is absent. The till is described as loose to moderately compact, generally sandy and commonly stony. The area to the east of Route 7 is composed of layers of gravel and sand. These layers generally range from 25 to 50 percent gravel particles and from 50 to 75 percent sand particles. The layers are known to be well to poorly sorted and the bedding may be distorted and faulted due to post-depositional collapse. Soil borings that were advanced as part of this investigation yielded information on the characteristics of the soils in the project area that is consistent with the information presented on the geologic mapping.

According to the information presented on the Bedrock Geological Map of Connecticut (Rogers, 1985), the site is located in an area that is underlain by a schist and granulite member of the Trap Falls Formation: interlayered gray to silvery, medium- to coarse-grained schist and fine-grained granofels.

In general, the topography slopes from the northwest to the southeast towards the Norwalk River, which is located approximately 1,000 feet to the southeast of the Route 7 interchange. Ground water movement is controlled by many factors, including the potential presence of pumping wells; however, based on the local topography and an assumption that the local ground water flow regime mimics the topography, ground water flow is presumed to be towards the southeast in this location. TRC did not conduct a complete evaluation of site hydrogeology as part of this investigation.

The ground water beneath TRC's study area has been classified by the Connecticut Department of Environmental Protection (CTDEP) as "GB", meaning that it is presumed not suitable for human consumption without treatment The Norwalk River is classified by the CTDEP as a Class "C/B, D/B" inland watercourse.

2.0 TECHNICAL APPROACH

This section of the report summarizes the soil and ground water sampling techniques employed during the Task 210 field investigation. Observations made in the field are also summarized in this section. The Task 210 work performed at this site was completed in accordance with the *Work Plan for Task 210 Subsurface Site Investigation and Field Sampling: I-95 Auxiliary Lanes Interchange 14 to 15 and Infrastructure Improvements, Norwalk, Connecticut,* completed by TRC and dated August 2008.

The Work Plan proposed the collection of fourteen soil samples for laboratory analysis. These samples were collected in the footprint of the planned infrastructure upgrade. Ground water was not encountered during this investigation; therefore, no ground water assessment was conducted under this study.

Figure 2 depicts a site plan including the soil borings locations. Table 1 presents a sample summary and includes the boring/sample identification (including sample interval), the sample matrix analyzed, the analytical parameters and the sample rationale.

A total of fifteen samples were collected from fourteen borings (two samples were submitted from boring B-1). All soil samples were submitted to the laboratory for the following analyses: volatile organic compound (VOC) analysis by EPA Method 8260 (with Method 5035 field preservation), total and SPLP semi-volatile organic compound (SVOC) analysis by EPA Method 8270, (with SPLP extraction by EPA Method 1312) extractable total petroleum hydrocarbon (ETPH) analysis by the 2001 Connecticut Method, polychlorinated biphenyls (PCBs) by EPA Method 8082, and total and SPLP RCRA 8 metals by EPA Methods 6000/7000 (with SPLP extraction by EPA Method 1312). Three selected soil samples had additional waste characterization analysis which included: additional metals analysis for total and SPLP antimony, beryllium, copper, nickel, thallium, vanadium and zinc; herbicides by EPA Method 8150; general chemistry parameters (sodium, chloride, total cyanide, and nitrates); and toxicity characteristics (flashpoint, ignitability, pH and reactivity (cyanide and sulfide)). In addition, the sample submitted from boring B-7 was analyzed for metals by TCLP EPA Extraction Method 1311. All samples were analyzed by Spectrum Analytical, Inc. of Agawam, Massachusetts.

2.1 Preliminary Activities

TRC personnel performed a reconnaissance of the proposed areas of the infrastructure upgrades and adjusted the boring locations for accessibility by the boring contractor. The boring locations were then marked with flagged stakes prior to the drilling contractor notifying "Call Before You Dig" (CBYD) for underground utility clearance. All borings were located within the ConnDOT Right-of-Way (ROW). Preliminary activities also included the preparation of a Health and Safety Plan (HASP) to address the work completed as part of this Task 210.

2.2 Soil Sampling Program

Methodology

A total of fourteen soil borings were advanced along the corridor on the dates of January 5 and 6, 2009 by Logical Environmental Solutions (LES) of Tolland, Connecticut, under direct supervision of TRC personnel. These borings were advanced utilizing a truck-mounted GeoProbe™. Soil cores were proposed to be collected continuously from the ground surface to a maximum depth of twelve feet below grade. However, refusal of the sampling core was typically encountered at depths between two feet and eight feet below grade. Each four-foot soil core (collected in an acetate Macro-Core® liner) was logged with respect to soil characteristics (i.e., grain size, moisture content and any other physical characteristics) and indications of potential impacts (e.g., stains and odors). In addition, each core was field-screened using a photoionization detector (PID) prior to the collection of soil samples for analysis; PID results are included on Table 2. Each sample interval was selected on the basis of visual observations, olfactory observations and screening results. In the absence of obvious evidence of impacts, the soil sample interval was chosen at the discretion of the TRC field personnel. Soil boring logs are presented in Appendix A.

Soil samples submitted to the laboratory for VOC analysis were collected in accordance with EPA Method 5035. This method outlines the collection of soil samples, without homogenization and with minimal disturbance, into extraction solvents. Soil sample aliquots collected for all but VOC analysis were transferred from the Macro-Core® sample sleeve to a dedicated, decontaminated stainless-steel bowl. The soil was then homogenized by mixing with dedicated, laboratory-decontaminated stainless-steel spoons prior to collection in the appropriate laboratory-supplied sample containers and placement of the samples on ice, in a cooler, for

delivery to the laboratory. The remaining soils and drill cuttings were returned to their respective boreholes.

The probe tip and Macro-Core® were decontaminated between uses to minimize the potential for cross-contamination. The decontamination was completed by washing with an Alconox and tap water mixture, followed by a tap water rinse and a deionized water rinse.

Field Observations

Based on the descriptions of the soil cores, the site is underlain primarily by fine-to medium-grained sand with varying amounts of silt, coarse-grained sand and gravel. A bedrock outcrop was visible along the northern edge of southbound I-95 from the Fairfield Avenue overpass to the Route 7 off-ramp onto I-95 south. Drilling refusal was encountered at depths between two feet and eight feet below grade in all of the borings. Pulverized rock was recovered in the drive tip of the Macro-Core® from most of the borings. Soils that appeared to be stained were observed in the shallow soils from boring B-1 from approximately surface grade to two feet below surface grade, and in the soil from boring B-7 from surface grade to four feet below surface grade. No petroleum odors were observed in the soil from either boring location and no organic vapors were detected while screening the samples with the PID. Boring B-1 was located on the ConnDOT ROW at the southeast side of the intersection of Connecticut Avenue and Fairfield Avenue. Boring B-7 was located in the ConnDOT ROW located in the grassy area in between the Route 7 off-ramp onto I-95 south, the Route 7 overpass and I-95 south. None of the remaining soils exhibited stains, odors, or elevated PID readings. Ground water was not encountered in any of the borings.

2.3 Grab Ground Water Sampling Program

Methodology

As stated above, no ground water was encountered during this investigation in any of the borings. Therefore, no ground water samples were collected.

3.0 INVESTIGATION RESULTS

The following section provides a summary of the analytical results of the soil sampling conducted at the site. Fifteen soil samples were collected from fourteen borings; the soil analytical results are summarized in Table 2. All the samples collected for the I-95 Auxiliary Lanes Interchange 14 to 15 and Infrastructure Improvements project were analyzed for VOCs, SVOCs (total and SPLP for soil), ETPH, PCBs, and RCRA 8 metals (total and SPLP). Additional waste characterization analysis was performed on three selected soil samples which included the following analysis: total and SPLP metals (antimony, beryllium, copper, nickel, thallium, vanadium and zinc), herbicides, sodium, chloride, cyanide, flashpoint, ignitability, corrosivity, pH, nitrates, and reactivity (cyanide/sulfide). Additional TCLP metals analysis was performed on one of the selected samples. Copies of the laboratory reports are provided in Appendix B.

Although the site is not subject to the Transfer Act, the Voluntary Cleanup Program, nor the requirements of a Consent Order, the soil results are being compared to the Connecticut RSRs to evaluate the presence of contaminants within the investigated area and manage contaminated media (soil, sediment, ground water, and surface water) in a manner consistent with the applicable regulations. The reported concentrations for soils are compared to the Direct Exposure Criteria (DEC) and the Pollutant Mobility Criteria (PMC) under the RSRs.

3.1 Soil Sample Results Summary

VOCs

As indicated in Table 2, two VOCs were detected in site soils. Acetone was detected in soil samples B-7 (2-4), B-9 (2-4) and B-13 (2-4) at concentrations ranging from 67.5 parts per billion (ppb, also identified as ug/kg for solids or ug/l for liquids) to 150 ppb. 2-Butanone was also detected in sample B-7 (2-4) at a concentration of 71.9 ppb. These reported concentrations of VOCs do not exceed the RSR criteria. VOCs were not detected above method detection limits in the remainder of the soil samples collected as part of this investigation. Both VOCs are common laboratory artifacts and are attributed to matrix interference (Appendix B).

SVOCs

Total SVOCs

SVOCs were detected in soils collected from five of the fifteen soil boring samples identified as B-1 (0-2), B-2 (2-4), B-5 (1-3.5), B-8 (0-2), and B-14 (0-2). As indicated in Table 2, concentrations of the following SVOCs were detected in one or more of the soil samples: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene. SVOC concentrations in the soil samples ranged from 328 ppb (benzo(a)anthracene) in the sample collected from B-2 (2-4) to 1,270 ppb (pyrene) in the soil sample collected from B-1 (0-2). None of the SVOC concentrations reported exceed the RSR criteria in any of the soil samples. SVOCs were not detected above method detection limits in the remainder of the soil samples collected as part of this investigation.

SPLP SVOCs

Concentrations of leachable SVOCs were detected in the soil collected from boring B-2. As indicated in Table 2, concentrations of the following SVOCs were detected in the soil sample: acenaphthylene, benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)-fluoranthene. Detected SPLP SVOC concentrations ranged from 0.589 ppb (acenaphthylene) to 0.937 ppb (benzo(a)pyrene and benzo(b)fluoranthene). In GB areas like the corridor, the PMC allows comparison of SPLP SVOCs to ten times the Ground Water Protection Criteria (GWPC). Leachable benzo(b)fluoranthene in soil (0.937 ppb) exceeds ten times the GWPC (0.08 ppb) of 0.8 ppb in boring B-2.

ETPH

Concentrations of ETPH were detected in eleven of the fifteen soil samples collected at the site. As shown in Table 2, the ETPH concentrations ranged from 39 parts per million (ppm, also identified as mg/kg for solids or mg/l for liquids) in soil sample B-13 (2-4), to 338 ppm in soil sample B-7 (2-4). ETPH was not detected above method detection limits in the remaining soil samples. None of the reported ETPH concentrations exceeded the DEC or GB PMC.

PCBs

As indicated in Table 2, PCBs were only detected in one soil sample, B-1 (0-2). A concentration of 14.3 ppb was reported in the sample, which is less than 1 mg/kg and therefore testing by TCLP/SPLP is not required to comply with the PMC. PCBs were not detected above method detection limits in the remainder of the soil samples.

Metals

Total Metals

Concentrations of one or more of the RCRA 8 metals were detected in all of the soil samples collected as part of this investigation. Specifically, arsenic, barium, cadmium, chromium, lead, mercury and selenium were detected in site soils. As shown in Table 2, two samples, soil sample B-9 (2-4) and soil sample B-10 (0-2), had concentrations of arsenic (10.9 ppm and 11.6 ppm, respectively) that exceed the DEC. None of the reported concentrations of the other metals detected in any of the soil samples exceeded RSR criteria. Three soil samples, B-1(0-2), B-7 (2-4) and B-13 (2-4), were analyzed for additional metals for waste characterization purposes including antimony, beryllium, copper, nickel, thallium, vanadium and zinc. Of the metals analyzed, only concentrations of beryllium, copper, nickel, vanadium and zinc were detected. None of the reported concentrations exceeded the DEC or GB PMC.

SPLP Metals

As indicated in Table 2, concentrations of three leachable RCRA 8 metals were detected in site soils. Specifically, detectable concentrations of one or more of the following metals were detected in one or more of the soil samples: barium, chromium and lead. None of the metal concentrations exceeded the GB PMC.

The three soil samples selected for the additional metals analysis all had detectable concentrations of one or more of the leachable metals. Specifically, copper, vanadium and zinc, which were all reported with concentrations below the GB PMC.

TCLP Metals

TCLP extraction for RCRA 8 metals plus the additional 7 metals previously listed was performed on one soil sample (B-7 (2-4)). Seven metals (arsenic, barium, cadmium, lead,

copper, nickel and zinc) were detected. Lead was reported at a concentration (0.379 ppm) exceeding the GB PMC, although leachable lead was not detected in the same sample by the SPLP methodology. Concentrations of none of the other metals detected exceed their respective PMC.

Additional Waste Characterization

The following analyses were performed on the three samples (B-1 (0-2), B-7 (2-4) and B-13 (2-4) that were selected for waste characterization.

Pesticides

A concentrations of the pesticide 4,4 DDT was detected in one of the three soil samples (B-1 (0-2)). No other pesticides were detected in any of the soil samples above the method detection limit. The reported concentration of 4,4 DDT (6.09 ppb) is below the DEC, and PMC.

Herbicides

No concentrations of herbicides were detected above the method detection limit in any sample.

General Chemistry - Sodium, Chloride, Total Cyanide, Nitrates

Concentrations of sodium were detected in all the samples, while concentrations of nitrates were only detected in two samples (B-1 (0-2) and B-7 (2-4)) and chloride was detected in one sample (B-1 (0-2)). Concentrations of cyanide were not detected above the method detection limit in any sample and below the RSR criteria. There are no RSR criteria established for sodium, chloride or nitrates.

Toxicity - Flashpoint. Ignitability, Corrosivity (pH)

The soil from the three samples did not exhibit any flammable or combustible characteristics and had no corrosive properties.

Reactivity

The three samples were reported as nonreactive to cyanide and sulfide.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section briefly summarizes the findings of the Task 210 subsurface site investigation activities conducted at the site in January 2009. Also included are recommendations based on these findings/conclusions.

4.1 Soil

1. The soil borings drilled along the I-95 corridor within the Norwalk project area identified for the infrastructure improvements were advanced to a maximum depth of eight feet below grade. In general, the soils in this area of the site can be characterized as fine- to medium-grained sand with varying amounts of silt, coarse-grained sand and gravel.

2. Soils containing leachable benzo(b)fluoranthene and metals were identified within the project area above RSR criteria (RDEC, I/C DEC, and GB PMC). The results of the analysis of soils collected as part of this investigation indicated the following. An elevated concentration (relative to RSR criteria) of leachable benzo(b)fluoranthene was detected in the soil sample collected from location B-2. Several metals (both total and leachable) were detected in the soils; of those analyzed for total metals, only two samples, B-9 (2-4) and B-10 (0-2), exhibited a concentration of arsenic at an elevated concentration relative to the RSR criteria. An elevated concentration of leachable lead by the TCLP method (although absent by the SPLP method) was detected in one soil sample, B-7 (2-4), relative to the RSR criteria. No other total or leachable metals were detected at elevated concentrations relative to the RSR criteria. VOCs, SVOCs and ETPH were detected in one or more of the samples, but at concentrations below the applicable RSR criteria.

   Figure 2 depicts the study area with highlights for areas that contained RSR exceedances for soil.

   Recommendation: Based on the results of this investigation, TRC recommends that a Task 310 Plans, Specifications, and Estimates be prepared to address the contamination identified above, relative to ConnDOT's roadway improvement project. The plan should identify the AOECs that may affect construction activities, associated contaminants, and affected media (soil, ground water). The plan should address the handling and disposal of all contaminated materials in a manner consistent with applicable regulations.

4.2 Ground Water

1. Ground water was not encountered during this investigation and will most likely not be encountered during the construction drainage activities.

Recommendation: Although ground water was not encountered, measures should be included to minimize the collection of stormwater run-off in construction areas to reduce the potential of creating waste water that would need to be treated or disposed of.

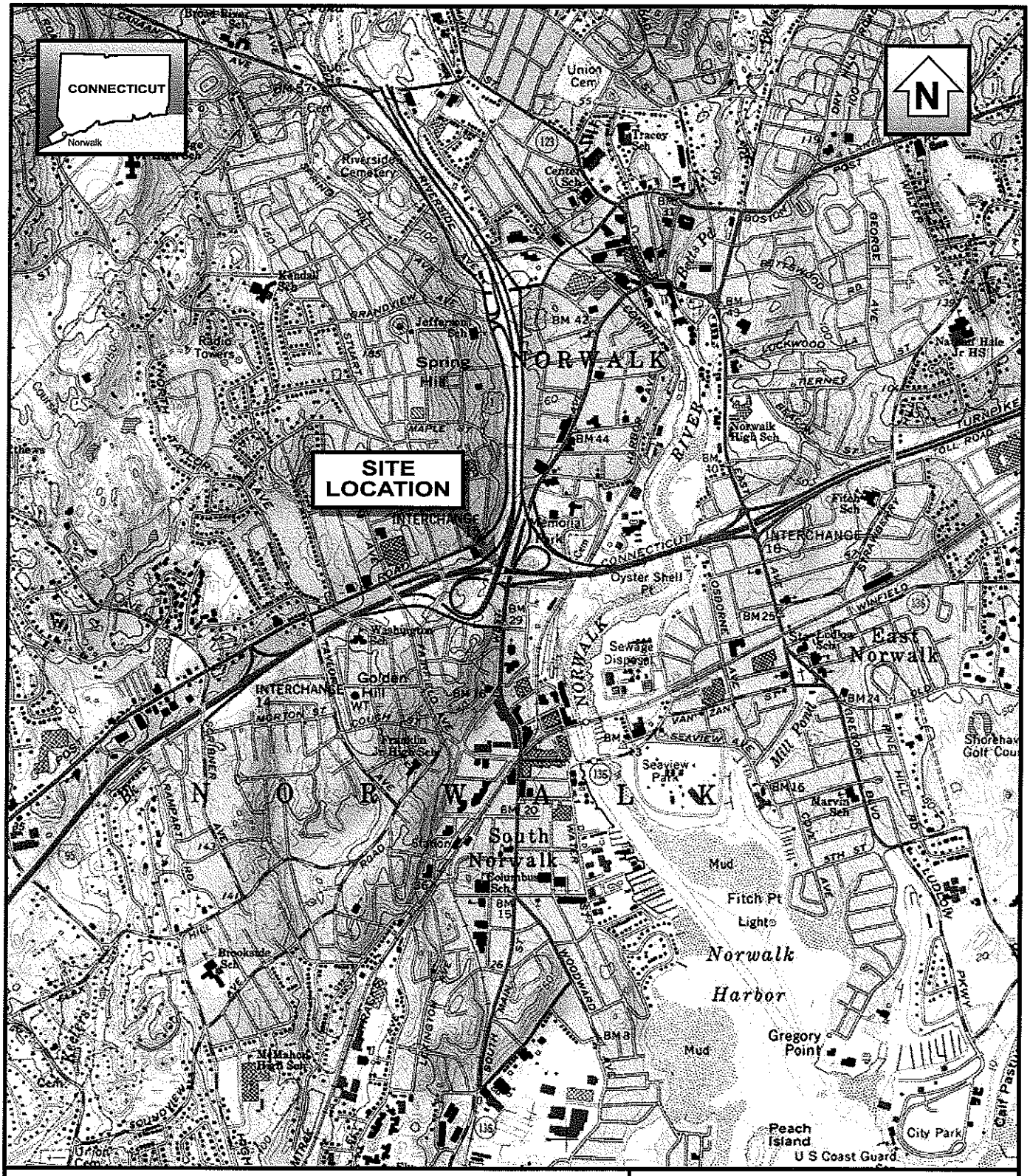
If future construction activities beyond the planned drainage improvements intercept the water table, ground water should be characterized for consistency with the applicable CTDEP General Discharge Permit for wastewater discharge during construction dewatering operations.

5.0 REFERENCES

Rogers, J. 1985. Bedrock Geological Map of Connecticut. State Geological and Natural History of Connecticut. Scale 1:125,000.

Stone, J.R. 1992. Surficial Materials Map of Connecticut. U.S. Department of the Interior, U.S. Geological Survey. Scale1:125,000.

Connecticut Department of Environmental Protection, February 1993. Water Quality Classifications, Housatonic, Hudson River and Southwest Coastal Basins. Scale 1:50,000.



0 2000
SCALE FEET

0 1
SCALE MILE

1:24000

BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS, www.topo.com
7.5' USGS TOPOGRAPHIC MAP

TRC
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

CONNECTICUT DEPARTMENT OF TRANSPORTATION
I-95 EXITS 14-15 NORWALK
NORWALK, CONNECTICUT

FIGURE 1
SITE LOCATION MAP

Date: 03/09 | **Project No.** 107307

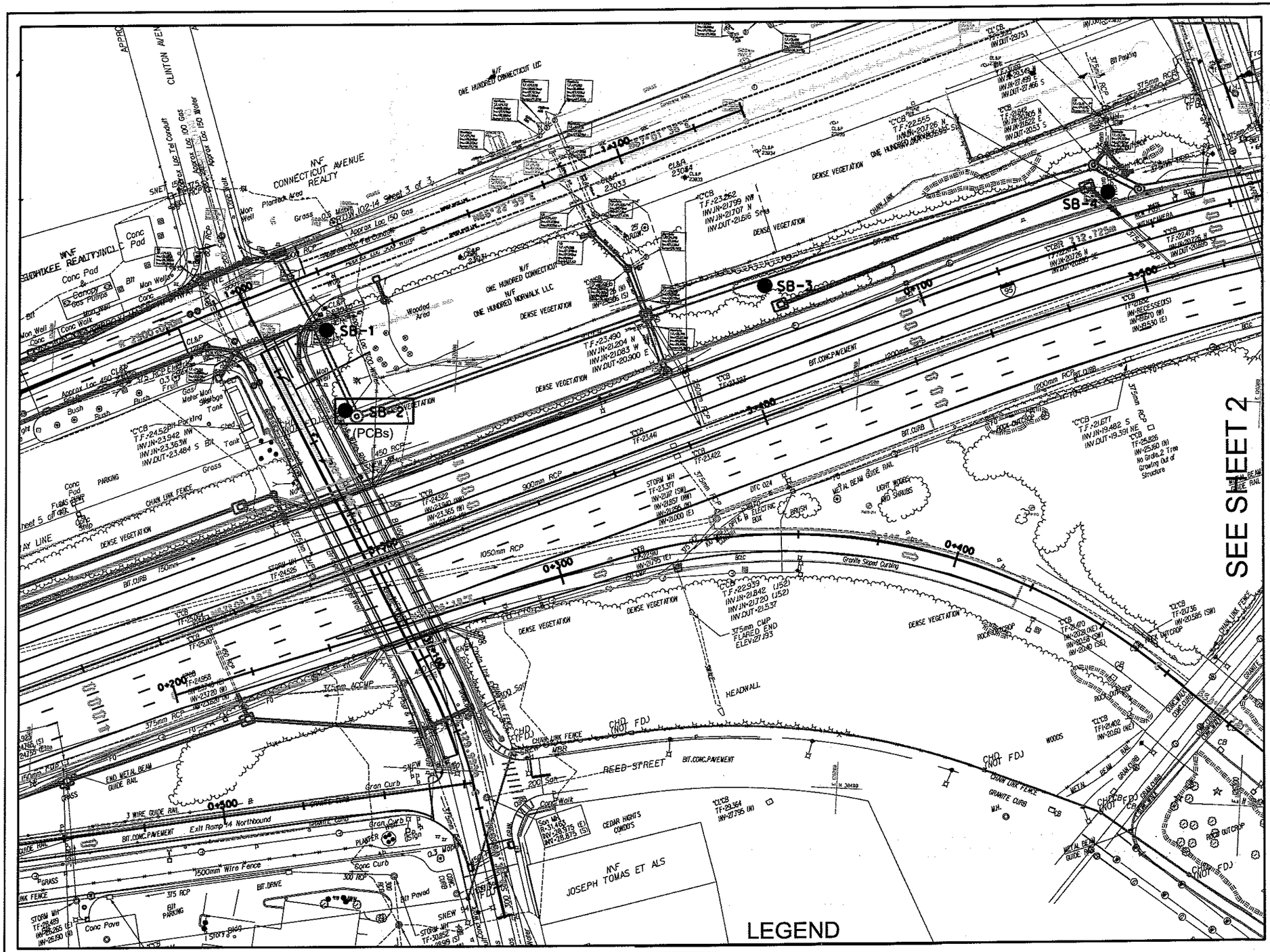
HAZ/107307 CTDOT/3631 I-95 Exit 14-15 Norwalk/3631-211 norwalk.fh10

Table 1
Sample Summary
I-95 Infrastucture Improvements & Auxiliary Lane Interchange 14 to 15, Norwalk, CT
ConnDOT Project No. 102-278/306
March 2009

TRC Project No. 107307.003631.000210

Field Sample ID	Sample Matrix	Sample Depth into Substrate (feet)	Date Sampled	VOCs	SVOCs Total/SPLP	ETPH	PCBs	RCRA 8 Metals Total/SPLP	Pesticides	Metals[1] Total/SPLP/ TCLP[2]	Herbicides	Cyanide (total)	Sodium/ Chloride/ Nitrates	Flashpoint/ Ignitability/ Corrosivity	Reactivity /Cyanide/ Sulfide	Sample Location/Selection Rationale
B-1 (0-2)	Soil	0-2	1/6/2009	x	x	x	x		x	x	x	x	x	x	x	Footprint of improvements, utilities in the vicinity
B-1 (5-7)	Soil	5-7	1/6/2009	x	x	x	x	x								Vertical profile, stained soils in shallow sample
B-2 (2-4)	Soil	2-4	1/6/2009	x	x	x	x	x								Footprint of improvements
B-3 (1-3)	Soil	1-3	1/5/2009	x	x	x	x	x								Footprint of improvements
B-4 (1-3.5)	Soil	1-3.5	1/5/2009	x	x	x	x	x								Footprint of improvements
B-5 (1-3.5)	Soil	1-3.5	1/5/2009	x	x	x	x	x								Footprint of improvements
B-6 (0-2)	Soil	0-2	1/5/2009	x	x	x	x	x								Footprint of improvements
B-7 (2-4)	Soil	2-4	1/5/2009	x	x	x	x		x	x	x	x	x	x	x	Footprint of improvements, stained soils, staged construction equipment
B-8 (0-2)	Soil	0-2	1/6/2009	x	x	x	x	x								Footprint of improvements
B-9 (2-4)	Soil	2-4	1/5/2009	x	x	x	x	x								Footprint of improvements
B-10 (0-2)	Soil	0-2	1/5/2009	x	x	x	x	x								Footprint of improvements
B-11 (2-4)	Soil	2-4	1/5/2009	x	x	x	x	x								Footprint of improvements
B-12 (1-3)	Soil	1-3	1/5/2009	x	x	x	x	x								Footprint of improvements
B-13 (2-4)	Soil	2-4	1/5/2009	x	x	x	x		x	x	x	x	x	x	x	Footprint of improvements, stained soils, staged construction equipment
B-14 (0-2)	Soil	0-2	1/6/2009	x	x	x	x	x								Footprint of improvements

Notes:
RCRA 8 Metals - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver
SPLP - Synthetic Precipitate Leaching Process
TCLP - Toxicity Characteristic Leachate Process
[1] - RCRA 8 plus Antimony, Beryllium, Copper, Nickel, Thallium, Vanadium, and Zinc
[2] - TCLP analysis only performed on sample B-7 (2-4)



LEGEND

● SB-10	SOIL RSR CRITERIA EXCEEDENCE
(METALS)	RSR CONSTITUENT OF CONCERN

GRAPHIC SCALE = 1:100 (0, 10, 20, 30, 40, 50)

TRC
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

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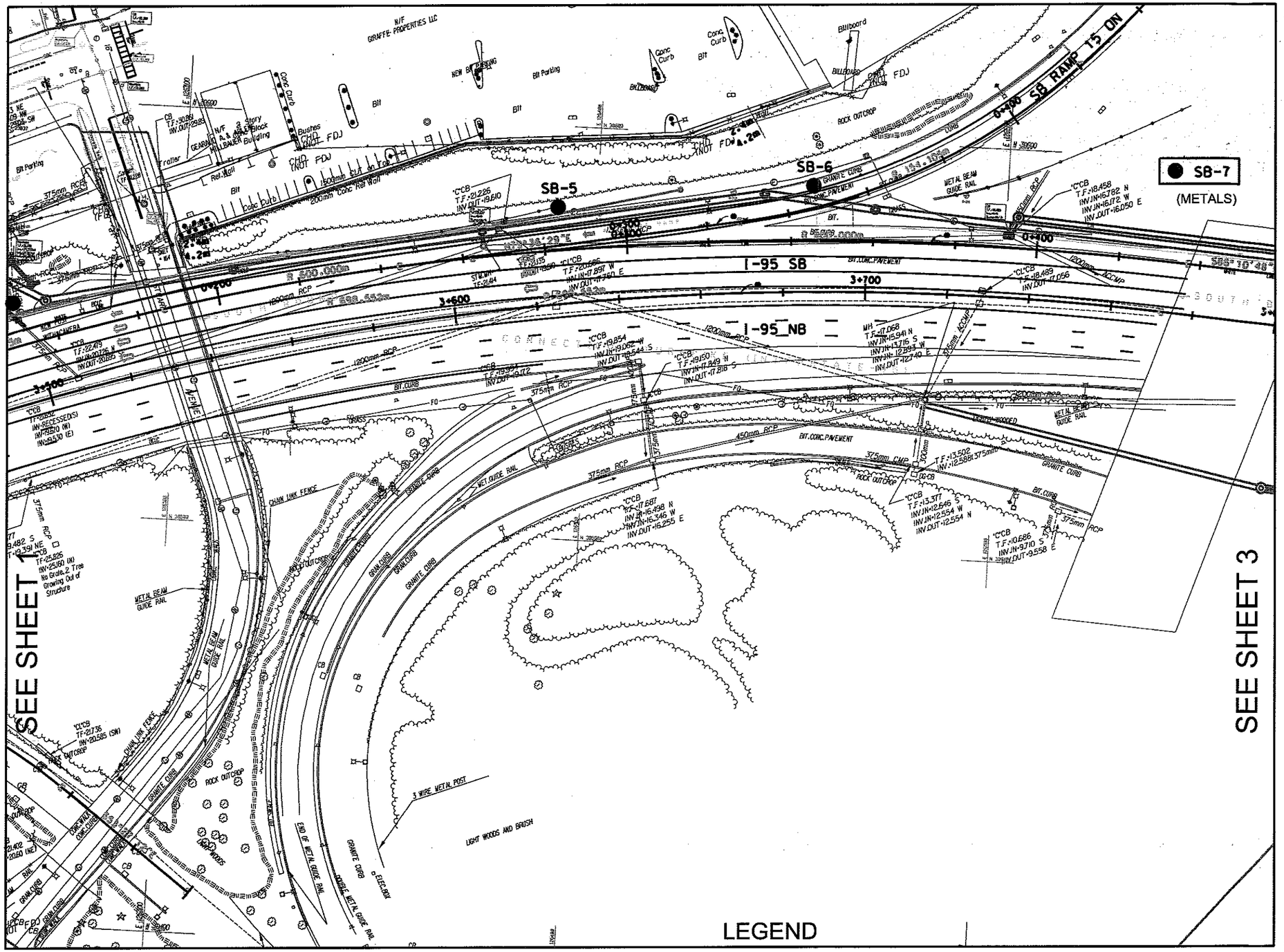
I-95 AUXILIARY LANES INTERCHANGE 14 TO 15
NORWALK, CONNECTICUT
STATE PROJECT No. 102-278/306

FIGURE 2-SHEET 1
ENVIRONMENTAL SAMPLE LOCATIONS

Date: 4/3/2009 | **Project No.** 107307-003631-000000



TRC
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

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I-95 AUXILIARY LANES INTERCHANGE 14 TO 15
NORWALK, CONNECTICUT
STATE PROJECT No. 102-278/306

FIGURE 2-SHEET 2
ENVIRONMENTAL SAMPLE LOCATIONS

Date: 4/3/2009 | **Project No.** 107307-003631-000000

SB-10
(METALS)

SB-9
(METALS)

SB-7
(METALS)

SB-13

SB-11

SB-12

SB-8

SB-14

SB RAMP 15 ON

SEE SHEET 2

CONNECTICUT TURNPIKE

NORTH BOUND

SOUTH BOUND

CRESCENT STREET

APPROXIMATE HIGHWAY LINE

N/F
157 VENTURES, LLC

LEGEND

SB-10	SOIL RSR CRITERIA EXCEEDENCE
(METALS)	RSR CONSTITUENT OF CONCERN

0 10 20 30 40 50
GRAPHIC SCALE = 1:100

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(860) 298-9692

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STATE PROJECT No. 102-278/306

FIGURE 2-SHEET 3
ENVIRONMENTAL SAMPLE LOCATIONS

Date: 4/3/2009 | **Project No.** 107307-003631-000000

Table 2
Soil Sample Analytical Results
I-95 Infrastucture Improvements & Auxiliary Lane Interchange 14 to 15, Norwalk, CT
ConnDOT Project No. 102-278/306
TRC Project No. 107307.003631.000210

Boring No. / Sample Interval (fbg) / Sample Date / PID Results (ppm)	B-1 (0-2) 0-2 1/6/2009 ND	B-1 (5-7) 5-7 1/6/2009 ND	B-2 (2-4) 2-4 1/6/2009 ND	B-3 (1-3) 1-3 1/5/2009 ND	B-4 (1-3.5) 1-3.5 1/5/2009 ND	B-5 (1-3.5) 1-3.5 1/5/2009 ND	B-6 (0-2) 0-2 1/5/2009 ND	B-7 (2-4) 2-4 1/5/2009 ND	B-8 (0-2) 0-2 1/6/2009 ND	B-9 (2-4) 2-4 1/5/2009 ND	B-10 (0-2) 0-2 1/5/2009 ND	B-11 (2-4) 2-4 1/5/2009 ND	B-12 (1-3) 1-3 1/5/2009 ND	B-13 (2-4) 2-4 1/5/2009 ND	B-14 (0-2) 0-2 1/6/2009 ND	CT RSRs		
																RES DEC	I/C DEC	GB PMC
Volatile Organic Compounds - ug/kg																		
Method 8260/8015																		
Acetone	ND	ND	ND	ND	ND	ND	ND	150*	ND	67.5*	ND	ND	ND	119*	ND	500,000	1,000,000	140,000
2-Butanone								71.9*								500,000	1,000,000	60,000
Total Semi-Volatile Organic Compounds - ug/kg																		
Method 8270		ND		ND	ND		ND	ND		ND	ND	ND	ND	ND				
Benzo(a)anthracene	631		328													1,000	7,800	1,000
Benzo(a)pyrene	531		510													1,000	7,800	1,000
Benzo(b)fluoranthene	479		472													1,000	7,800	1,000
Benzo(g,h,i)perylene	400		726													1,000,000	2,500,000	42,000
Benzo(k)fluoranthene	451		410													8,400	78,000	1,000
Chrysene	681		406													84,000	780,000	1,000
Fluoranthene	948		349			715			748							1,000,000	2,500,000	56,000
Indeno(1,2,3-cd)pyrene	401		666													1,000	7,800	1,000
Phenanthrene	467					446			849						845	1,000,000	2,500,000	40,000
Pyrene	1,270		518			783										1,000,000	2,500,000	40,000
SPLP Semi-Volatile Organic Compounds - ug/l																		
Method 8270	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Acenaphthylene			0.589															10XGWPC
Benzo(a)pyrene			0.937															4,200
Benzo(b)fluoranthene			0.937															2
Benzo(k)fluoranthene			0.642															1
Extractable Total Petroleum Hydrocarbons - mg/kg																		5
CTDEP-Approved Method	201	43.6	84.7	ND	75.2	68.5	71.9	338	77.8	75.0	ND	ND	ND	39	105	500	2,500	2,500
Polychlorinated Biphenyls - ug/kg																		
Method 8082	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	10,000	5
Total RCRA 8 Metals- mg/kg																		
Methods 6010/7000																		
Arsenic	3.33	6.09	2.94	1.84	6.37	5.89	2.48	5.80	5.00	**10.9**	**11.6**	2.50	2.72	3.13	3.87	10	10	--
Barium	72.2	69.0	56.1	88.6	112	80.7	60.0	83.2	113	71.3	74.5	98.7	45.1	120	85.4	4,700	140,000	--
Cadmium	0.535				0.848	0.678	1.41	0.963		0.521	0.727		0.511	0.535	0.661	34	1,000	--
Chromium	16.8	19.9	13.5	23.7	22.3	22.7	19.4	21.8	26.1	27.0	18.8	35.4	13.3	31.1	22.5	NE	NE	--
Lead	110	11.4	39.1	8.77	190	245	306	220	81.0	23.2	19.1	32.1	19.7	281	107	400	1,000	--
Mercury	0.0552		0.167		0.144	0.201	0.808	0.145	0.123		0.0633	0.122	0.0880	0.159	0.0785	20	610	--
Selenium	2.42	2.29	3.11	2.45	2.26	2.74	2.04	2.21	3.11	3.07	2.61	3.08	1.86	3.68	2.66	340	10,000	--
Additional Metals (Total)- mg/kg		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		NA			
Beryllium														0.921		2	2	--
Copper	26.3							44.4						30.5		2,500	76,000	--
Nickel	10.9							15.9						22.1		1,400	7,500	--
Vanadium	27.7							26.8						43.3		470	14,000	--
Zinc	102							141						99.7		20,000	610,000	--
SPLP RCRA 8 Metals - mg/l																		
Methods 1312 & 6010/7000																		
Barium	0.0270	0.128	0.0567	0.0326	0.116	0.163	0.0216	0.0256	0.0726	0.0300	0.0239	0.0098	0.112	0.120	0.0286	--	--	10
Chromium					0.0055	0.0062										--	--	0.5
Lead	0.0126	NA	0.0105	NA	0.0399	0.0545	0.0576	0.0364	0.0148	0.0079	NA	NA	NA	0.0154	0.0192	--	--	0.15
Additional Metals (SPLP) - mg/l			NA		NA	NA	NA		NA	NA					NA			
Copper	0.0054							0.0050						0.008		--	--	13
Vanadium	0.0050													0.0112		--	--	0.5
Zinc								0.0296						0.0296		--	--	50
TCLP RCRA 8 Metals - mg/l																		
Methods 1311 & 6010/7000	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA			
Arsenic								0.0098								--	--	0.5
Barium								0.506								--	--	10
Cadmium								0.0089								--	--	0.05
Lead								0.379								--	--	0.15
Additional Metals (TCLP)- mg/l	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA			
Copper								0.0356								--	--	13
Nickel								0.0207								--	--	1
Zinc								0.234								--	--	50
Pesticides - ug/kg																		
Method 8081		NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA			
4,4 DDT	6.09																	
Herbicides - ug/kg																		
Method 8150	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	1,800	17,000	NE
General Chemistry - mg/kg																		
Sodium	165	NA	NA	NA	NA	NA	NA	313	NA	NA	NA	NA	NA	145	NA	--	--	--
Chloride	20.6	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	--	--	--
Total Cyanide	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	--	--	--
Nitrates	1.42	NA	NA	NA	NA	NA	NA	1.38	NA	NA	NA	NA	NA	ND	NA	1,400	41,000	2
Toxicity Characteristics																		
Flashpoint - °F	>200	NA	NA	NA	NA	NA	NA	>200	NA	NA	NA	NA	NA	>200	NA	--	--	--
Ignitability	Negative	NA	NA	NA	NA	NA	NA	Negative	NA	NA	NA	NA	NA	Negative	NA	--	--	--
pH	7.76	NA	NA	NA	NA	NA	NA	7.64	NA	NA	NA	NA	NA	7.83	NA	--	--	--
Reactivity Cyanide/Sulfide - mg/kg	Nonreactive	NA	NA	NA	NA	NA	NA	Nonreactive	NA	NA	NA	NA	NA	Nonreactive	NA	--	--	--

NOTES:
BOLD value indicates an exceedance of the Residential Direct Exposure Criteria (RDEC)
Underlined value indicates an exceednace of the Industrial/Commercial Direct Exposure Criteria (I/C DEC)
Shaded value indicates an exceedance of the GB Pollutant Mobility Criteria (GB PMC)
fbg - feet below grade
ND - Not Detected
NA - Not Analyzed
NE - RSR Criterion Not Established
* - Stated by the lab that the production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction method.
1 - SPLP SVOC analysis is compared to 10 times the Ground Water Protection Criteria

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-1

Location: Norwalk, CT | **Boring Depth:** 7'

Client: TRC Environmental, Inc. | **Date:** 1-6-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Gray medium to coarse GRAVEL	0.4		
		Dark-Brown to Black fine to medium SAND, little fine Gravel & Asphalt fragments (FILL)	1.0		
1.0					
2.0				35"	Macro Core 0'-4'
3.0		Brown fine to medium SAND, little Silt, trace fine to coarse Gravel & Cobble			
4.0					
5.0				24"	Macro Core 4'-7'
6.0			6.0		
		Olive-Brown SILT, little fine Sand & Cobble, trace fine to coarse Gravel (TILL)	7.0		
7.0					
8.0		Refusal at 7' on Possible Bedrock or Cobble			
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-2

Location: Norwalk, CT | **Boring Depth:** 7'

Client: TRC Environmental, Inc. | **Date:** 1-6-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown SILT, little f to m Sand, trace Organics & f Gravel	0.4		
1.0		Brown fine SAND & SILT, little fine to coarse Gravel		44"	Macro Core 0'-4'
2.0					
3.0			3.0		
4.0		Brown fine to medium SAND, little Silt, trace fine to coarse Gravel & Cobble			
5.0			5.0		
		Dark-Brown Organic SILT	5.5	24"	Macro Core 4'-7'
6.0		Olive-Brown SILT, little fine Sand & Cobble, trace fine to coarse Gravel (TILL)			
7.0			7.0		
8.0		Refusal at 7' on Possible Bedrock or Cobble			
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry

Rig: Geoprobe 540U

Boring Dia.: 2"

Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-3

Location: Norwalk, CT | **Boring Depth:** 3'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics	0.8	26"	Macro Core 0'-3'
1.0		Brown fine to medium SAND, little Silt & Cobbles, trace fine to coarse Gravel (TILL)			
2.0					
3.0			3.0		
4.0					
5.0		Refusal at 3' on Likely Bedrock			
6.0		Attempted 1 Offset: Refusal at 3'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry

Boring Dia.: 2"

Rig: Geoprobe 540U

Page: 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-4

Location: Norwalk, CT | **Boring Depth:** 4'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics	0.8	37"	Macro Core 0'-4'
1.0		Brown fine to medium SAND, little Silt, trace fine to coarse Gravel	4.0		
2.0					
3.0					
4.0		Refusal at 4' on Likely Bedrock			
5.0					
6.0					
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-5

Location: Norwalk, CT | **Boring Depth:** 3.5'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics	0.5	36"	Macro Core 0'-3.5'
1.0		Dark-Brown fine to medium SAND, little Silt, trace fine to coarse Gravel & Cobble	2.0		
2.0		Brown fine to medium SAND, little Silt & Cobbles, trace fine to coarse Gravel (TILL)	3.5		
3.0					
4.0					
5.0		Refusal at 3.5' on Likely Bedrock			
6.0					
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-6

Location: Norwalk, CT | **Boring Depth:** 2'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown f-m SAND, little Silt & Organics	0.4		
1.0		Brown fine to medium SAND, little Silt, trace fine to coarse Gravel	2.0	19"	Macro Core 0'-2'
2.0					
3.0					
4.0		Refusal at 2' on Likely Bedrock			
		Attempted 1 offset: Refusal at 2'			
5.0					
6.0					
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-7

Location: Norwalk, CT | **Boring Depth:** 6'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine SAND & SILT, little Organics, trace fine to coarse Gravel & Asphalt fragments (FILL)	1.0		
1.0		Dark-Brown to Black fine SAND, little Silt, trace fine Gravel & Asphalt (FILL)	3.5	45"	Macro Core 0'-4'
4.0		Brown SILT, little fine Sand, trace Cobble, fine to coarse Gravel & asphalt fragments (FILL)	6.0	22"	Macro Core 4'-6'
6.0		Refusal at 6' on Possible Bedrock or Cobble Attempted 2 offsets: Refusal at 2' & 2'			
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-8

Location: Norwalk, CT | **Boring Depth:** 4'

Client: TRC Environmental, Inc. | **Date:** 1-6-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics	0.4		
1.0		Brown fine to medium SAND, little Silt & Cobble	1.0		
2.0		Brown fine to medium SAND, little Silt & fine to coarse Gravel		31"	Macro Core 0'-4'
3.0					
4.0			4.0		
5.0					
6.0		Refusal at 4' on Likely Bedrock			
		Attempted 1 Offset: Resual at 4'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-9

Location: Norwalk, CT | **Boring Depth:** 4.5'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics, trace fine Gravel	0.4		
1.0					
2.0		Brown fine to coarse SAND & COBBLES, trace Silt & fine to coarse Gravel		38"	Macro Core 0'-4'
3.0			3.5		
4.0		Dark-Brown SILT, little Cobble, trace fine to medium Sand (TILL)	4.5	4"	Macro Core 4'-4.5'
5.0		Refusal at 4.5' on Possible Bedrock or Cobble			
6.0					
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-10

Location: Norwalk, CT | **Boring Depth:** 6'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics, trace fine Gravel	0.5		
1.0					
2.0				37"	Macro Core 0'-4'
3.0		Brown fine to coarse SAND & COBBLES, trace Silt & fine to coarse Gravel			
4.0					
5.0				12"	Macro Core 4'-6'
6.0			6.0		
7.0		Refusal at 6' on Possible Bedrock or Cobble			
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-11

Location: Norwalk, CT | **Boring Depth:** 6'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine SAND & SILT, trace medium to coarse Gravel with pieces of Concrete (FILL)	1.0		
1.0				35"	Macro Core 0'-4'
2.0					
3.0		Brown SILT, little fine Sand, trace Cobble, fine to coarse Gravel & asphalt fragments (FILL)			
4.0					
5.0				21"	Macro Core 4'-6'
6.0			6.0		
7.0		Refusal at 6' on Concrete			
8.0		Attempted 3 offsets: Refusal at 3', 3', & 1'			
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-12

Location: Norwalk, CT | **Boring Depth:** 8'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics, trace fine Gravel	0.5	36"	Macro Core 0'-4'
1.0		Gray-Brown fine to medium SAND, little fine Gravel, trace Silt	1.0		
2.0					
3.0		Orange-Brown fine to medium SAND, little Silt, trace fine to coarse Gravel & Cobble			
4.0					
5.0			5.0		
6.0		Brown SILT, little fine to medium Sand, trace fine to coarse Gravel & Cobble		37"	Macro Core 4'-8'
7.0					
8.0			8.0		
9.0		Refusal at 8' on Possible Bedrock or Cobble			
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry | **Boring Dia.:** 2"

Rig: Geoprobe 540U | **Page:** 1 of 1

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-13

Location: Norwalk, CT | **Boring Depth:** 7'

Client: TRC Environmental, Inc. | **Date:** 1-5-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics, trace fine Gravel	0.5	48"	Macro Core 0'-4'
1.0		Brown fine to medium SAND, little Silt, trace fine to coarse Gravel & Cobble (moist)	1.0		
2.0					
3.0					
4.0		Gray-Brown fine to medium SAND, little Silt & Cobble, trace fine to coarse Gravel (TILL)		35"	Macro Core 4'-7'
5.0					
6.0					
7.0			7.0		
		Refusal at 7' on Possible Bedrock or Cobble			
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry

Boring Dia.: 2"

Rig: Geoprobe 540U

GEOPROBE SOIL BORING LOG

Project: Interstate 95 - Interchange 15 | **Boring #:** B-14

Location: Norwalk, CT | **Boring Depth:** 5'

Client: TRC Environmental, Inc. | **Date:** 1-6-09

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	Recovery (inches)	Sample Interval
0.0		Ground Surface	0.0		
		Dark-Brown fine to medium SAND, little Silt & Organics	0.4		
1.0					
2.0		Brown fine to medium SAND, little Silt & fine to coarse Gravel, trace Cobble		30"	Macro Core 0'-4'
3.0					
4.0				8"	Macro Core 4'-5'
5.0			5.0		
6.0		Refusal at 5' on Likely Bedrock			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Depth to Water: Dry

Boring Dia.: 2"

Rig: Geoprobe 540U

Page: 1 of 1

Report Date:
05-Mar-09 13:34

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
10 Middle St., 6th Floor
Bridgeport, CT 06604
Attn: Meg Winfield

Project: I-95 Auxiliary Lane Interchange 14&15-Norwalk, CT
Project 107307-3631

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89494-01	B-11 (2-4)	Soil	05-Jan-09 08:25	06-Jan-09 16:09
SA89494-02	B-7 (2-4)	Soil	05-Jan-09 09:00	06-Jan-09 16:09
SA89494-03	B-6 (0-2)	Soil	05-Jan-09 09:30	06-Jan-09 16:09
SA89494-04	B-4 (1-3.5)	Soil	05-Jan-09 09:55	06-Jan-09 16:09
SA89494-05	B-3 (1-3)	Soil	05-Jan-09 10:15	06-Jan-09 16:09
SA89494-06	B-5 (1-3.5)	Soil	05-Jan-09 10:30	06-Jan-09 16:09
SA89494-07	B-13 (2-4)	Soil	05-Jan-09 11:10	06-Jan-09 16:09
SA89494-08	B-9 (2-4)	Soil	05-Jan-09 11:45	06-Jan-09 16:09
SA89494-09	B-10 (0-2)	Soil	05-Jan-09 12:10	06-Jan-09 16:09
SA89494-10	B-12 (1-3)	Soil	05-Jan-09 12:40	06-Jan-09 16:09

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 125 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 3.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

Per client request, the flashpoint analysis for sample ID# B13 (2-4) was reanalyzed via SW846 1010 and was determined to be >200 degrees F. In addition, the sample was evaluated physically for odor and the presence of moisture. The sample was checked for volatile fumes via FID/PID and was negative for any detentions. The sample was found to be negative via SW846 1030 for Ignitabily. Please review the attached revised flashpoint data.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 300.0

Spikes:

9010423-MS1 *Source: SA89494-07*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.

Chloride

9010423-MSD1 *Source: SA89494-07*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.

Chloride

SW846 1030

Duplicates:

9010289-DUP1 *Source: SA89494-02*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SW846 1030

Samples:

SA89494-02 *B-7 (2-4)*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SA89494-07 *B-13 (2-4)*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SW846 1311/6010B

Blanks:

9010494-BLK1

The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

Zinc

Laboratory Control Samples:

9010494-BS1

Analyte out of acceptance range.

Copper

9010494-BSD1

Analyte out of acceptance range.

Lead

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Barium

Spikes:

9010494-PS1 *Source: SA89494-02*

Analyte out of acceptance range.

Barium

Duplicates:

9010494-DUP1 *Source: SA89494-02*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Selenium

SW846 1312/6010B

SW846 1312/6010B

Laboratory Control Samples:

9010575-BSD1

Analyte out of acceptance range.

Silver

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Silver

Duplicates:

9010575-DUP1 *Source: SA89479-02*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Lead

SW846 1312/8270C

Laboratory Control Samples:

9010589-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Benzidine
Pyridine

SW846 6010B

Spikes:

9010321-MS1 *Source: SA89494-07*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery

Antimony

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Lead

9010321-MSD1 *Source: SA89494-07*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery

Antimony

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Lead

SW846 6010B

Duplicates:

9010321-DUP1 *Source: SA87647-04*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Arsenic
Selenium
Thallium

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Copper
Lead
Sodium

SW846 7471A

Spikes:

9010322-MS1 *Source: SA89494-07*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery

Mercury

SW846 8081A

Duplicates:

9010281-DUP1 *Source: SA89457-01*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr) [2C]

SW846 8151A

Laboratory Control Samples:

9010356-BSD1

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Dalapon [2C]

SW846 8260B

SW846 8260B

Laboratory Control Samples:

9010328-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Chloromethane

9010328-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Chloromethane

9010383-BSD1

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Tert-amyl methyl ether

Samples:

SA89494-01 *B-11 (2-4)*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SA89494-02 *B-7 (2-4)*

The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.

2-Butanone (MEK)
Acetone

SA89494-07 *B-13 (2-4)*

The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.

Acetone

SA89494-08 *B-9 (2-4)*

The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.

Acetone

SW846 8270C

Laboratory Control Samples:

9010276-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Aniline

Samples:

SA89494-02 *B-7 (2-4)*

The Reporting Limit has been raised to account for matrix interference.

SW846 9045C

SW846 9045C

Samples:

SA89494-02 *B-7 (2-4)*

The soil method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible.

pH

SA89494-07 *B-13 (2-4)*

The soil method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible.

pH

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4) SA89494-01	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds			VC10		Initial weight: 7.03 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	45.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	45.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	22.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	45.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	45.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	45.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4)	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09
SA89494-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)						Initial weight: 7.03 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	45.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	45.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	91.3	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	22.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1830	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	366	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	366	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	366	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	366	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	366	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	366	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	366	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	366	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	366	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	366	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	366	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	366	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	366	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4)	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09
SA89494-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	366	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	366	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	366	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	366	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	366	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	366	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	366	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	366	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	366	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	366	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	366	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	366	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	366	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	366	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	366	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	366	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	366	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	366	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	366	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	366	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	366	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	366	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	366	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	366	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	366	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	366	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	366	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	366	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	366	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	366	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	366	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	366	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	366	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	366	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	366	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	366	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	366	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	366	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1460	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1460	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	366	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4) SA89494-01	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	366	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	366	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	366	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	366	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	366	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	366	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	366	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	366	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*73*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4)	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09
SA89494-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*75*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4)	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09
SA89494-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	67		15-110 %			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	79		30-130 %			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	68		15-110 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.2	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	82		30-150 %			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	92		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.8	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	90		50-150 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.49	1	SW846 6010B	07-Jan-09	08-Jan-09	9010321	X
7440-38-2	Arsenic	2.50		mg/kg dry	1.49	1	"	"	"	"	X
7440-39-3	Barium	98.7		mg/kg dry	0.993	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.497	1	"	"	"	"	X
7440-47-3	Chromium	35.4		mg/kg dry	0.993	1	"	"	"	"	X
7439-97-6	Mercury	0.122		mg/kg dry	0.0295	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	32.1		mg/kg dry	1.49	1	SW846 6010B	"	08-Jan-09	9010321	X
7782-49-2	Selenium	3.08		mg/kg dry	1.49	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0098		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-11 (2-4)	107307-3631	Soil	05-Jan-09 08:25	06-Jan-09
SA89494-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	BRL		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.5		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4) SA89494-02	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.54 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	150	VOC6	µg/kg dry	55.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	71.9	VOC6	µg/kg dry	55.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	27.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	55.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	55.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	55.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4) SA89494-02	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 5.54 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	55.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	55.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	112	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2230	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C			R01								
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	3650	10	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	3650	10	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	3650	10	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	3650	10	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	3650	10	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	3650	10	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	3650	10	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	3650	10	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	3650	10	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	3650	10	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	3650	10	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	3650	10	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	3650	10	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4) SA89494-02	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C			R01								
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	3650	10	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	3650	10	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	3650	10	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	3650	10	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	3650	10	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	3650	10	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	3650	10	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	3650	10	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	3650	10	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	3650	10	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	3650	10	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	3650	10	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	3650	10	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	3650	10	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	3650	10	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	3650	10	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	3650	10	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	3650	10	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	3650	10	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	3650	10	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	3650	10	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	3650	10	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	3650	10	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	3650	10	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	3650	10	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	3650	10	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	3650	10	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	3650	10	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	3650	10	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	3650	10	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	3650	10	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	3650	10	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	3650	10	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	14600	10	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	14600	10	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	3650	10	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4)	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09
SA89494-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C			R01								
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	3650	10	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	3650	10	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	3650	10	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	3650	10	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	3650	10	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	3650	10	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	3650	10	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*53*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*51*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*53*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4) SA89494-02	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*48*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*49*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4)	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09
SA89494-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*48*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*58*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*49*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.53	1	SW846 8081A	07-Jan-09	09-Jan-09	9010281	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.53	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.53	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.53	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.53	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.53	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.53	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.53	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.53	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.53	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.53	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.53	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.53	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.53	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.53	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.53	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.53	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.53	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.53	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.53	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	27.7	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	27.7	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	11.1	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*51*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	11.1	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	11.1	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	11.1	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	11.1	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	11.1	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	11.1	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	11.1	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	11.1	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	11.1	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4)	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09
SA89494-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*124*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	73.6	5	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	73.6	5	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	73.6	5	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	73.6	5	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	73.6	5	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	73.6	5	"	"	"	"	
	Unidentified	338		mg/kg dry	73.6	5	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	73.6	5	"	"	"	"	
	Total Petroleum Hydrocarbons	338		mg/kg dry	73.6	5	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	338		mg/kg dry	73.6	5	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*84*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.47	1	SW846 6010B	07-Jan-09	08-Jan-09	9010321	X
7440-38-2	Arsenic	5.80		mg/kg dry	1.47	1	"	"	"	"	X
7440-39-3	Barium	83.2		mg/kg dry	0.982	1	"	"	"	"	X
7440-41-7	Beryllium	BRL		mg/kg dry	0.491	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	0.963		mg/kg dry	0.491	1	"	"	08-Jan-09	"	X
7440-47-3	Chromium	21.8		mg/kg dry	0.982	1	"	"	"	"	X
7440-50-8	Copper	44.4		mg/kg dry	0.982	1	"	"	"	"	X
7439-97-6	Mercury	0.145		mg/kg dry	0.0323	1	SW846 7471A	"	12-Jan-09	9010322	X
7440-23-5	Sodium	313		mg/kg dry	24.6	1	SW846 6010B	"	08-Jan-09	9010321	X
7440-02-0	Nickel	15.9		mg/kg dry	0.982	1	"	"	"	"	X
7439-92-1	Lead	220		mg/kg dry	1.47	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	2.95	1	"	"	"	"	X
7782-49-2	Selenium	2.21		mg/kg dry	1.47	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	2.95	1	"	"	"	"	X
7440-62-2	Vanadium	26.8		mg/kg dry	1.47	1	"	"	"	"	X
7440-66-6	Zinc	141		mg/kg dry	0.982	1	"	"	"	"	X
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	07-Jan-09	07-Jan-09	9010332	X
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1311/6010B	09-Jan-09	12-Jan-09	9010494	X
7440-38-2	Arsenic	0.0098		mg/l	0.0040	1	"	"	"	"	X
7440-39-3	Barium	0.506		mg/l	0.0050	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-7 (2-4) SA89494-02	107307-3631	Soil	05-Jan-09 09:00	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	SW846 1311/6010B	09-Jan-09	12-Jan-09	9010494	X
7440-43-9	Cadmium	0.0088		mg/l	0.0025	1	"	"	"	"	X
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	X
7440-50-8	Copper	0.0356		mg/l	0.0075	1	"	"	10-Jan-09	"	X
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1311/7470A	08-Jan-09	09-Jan-09	9010376	X
7440-02-0	Nickel	0.0207		mg/l	0.0050	1	SW846 1311/6010B	09-Jan-09	12-Jan-09	9010494	X
7439-92-1	Lead	0.379		mg/l	0.0075	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	X
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	10-Jan-09	"	X
7440-62-2	Vanadium	BRL		mg/l	0.0050	1	"	"	12-Jan-09	"	X
7440-66-6	Zinc	0.234		mg/l	0.0050	1	"	"	10-Jan-09	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0256		mg/l	0.0050	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	0.0050		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	13-Jan-09	9010578	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7439-92-1	Lead	0.0364		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	BRL		mg/l	0.0100	1	"	"	"	"	
7440-66-6	Zinc	0.0296		mg/l	0.0240	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.9		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	
16887-00-6	Chloride	BRL		mg/kg dry	10.6	1	EPA 300.0	12-Jan-09	12-Jan-09	9010423	
57-12-5	Cyanide (total)	BRL		mg/kg dry	1.14	1	SW846 9012A	08-Jan-09	09-Jan-09	9010395	X
14797-55-8	Nitrate as N	1.38		mg/kg dry	1.06	1	EPA 300.0	12-Jan-09	12-Jan-09	9010423	
Toxicity Characteristics											
	Flashpoint	> 200		°F		1	SW846 1010	08-Jan-09	08-Jan-09	9010361	X
	Ignitability by Definition	Negative	IgHT	N/A		1	SW846 1030	07-Jan-09 09:13	07-Jan-09 09:30	9010289	X
	pH	7.64	pHs,pH	pH Units		1	SW846 9045C	06-Jan-09 18:26	06-Jan-09 20:27	9010265	X
Reactivity Cyanide/Sulfide											
Prepared by method General Preparation											
	Reactivity	Nonreactive		mg/kg dry		1	SW846 Ch. 7.3	08-Jan-09	08-Jan-09	9010433	X
	Reactive Cyanide	BRL		mg/kg dry	25.0	1	"	"	"	"	X
	Reactive Sulfide	BRL		mg/kg dry	50.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2)	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09
SA89494-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.67 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	56.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	56.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2) SA89494-03	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.67 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	112	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2250	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	737	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	737	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	737	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	737	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	737	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	737	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	737	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	737	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	737	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	737	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	737	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	737	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	737	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2) SA89494-03	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	737	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	737	2	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	737	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	737	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	737	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	737	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	737	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	737	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	737	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	737	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	737	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	737	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	737	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	737	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	737	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	737	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	737	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	737	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	737	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	737	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	737	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	737	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	737	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	737	2	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	737	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	737	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	737	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	737	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	737	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	737	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	737	2	"	"	"	"	X
78-59-1	Isophorone	BRL		µg/kg dry	737	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	737	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	737	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	737	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	737	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	737	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	2950	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	737	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	2950	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine										

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2) SA89494-03	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	737	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	737	2	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	737	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	737	2	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	737	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	737	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	737	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	737	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*66*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*63*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*85*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2)	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09
SA89494-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*62*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2) SA89494-03	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	62		15-110 %			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	74		30-130 %			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	61		15-110 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.6	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.6	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.6	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.6	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.6	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.6	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	83		30-150 %			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	89		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.8	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.8	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.8	1	"	"	"	"	
	Unidentified	71.9		mg/kg dry	14.8	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	71.9		mg/kg dry	14.8	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	71.9		mg/kg dry	14.8	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	91		50-150 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.43	1	SW846 6010B	07-Jan-09	08-Jan-09	9010321	X
7440-38-2	Arsenic	2.48		mg/kg dry	1.43	1	"	"	"	"	X
7440-39-3	Barium	60.0		mg/kg dry	0.955	1	"	"	"	"	X
7440-43-9	Cadmium	1.41		mg/kg dry	0.478	1	"	"	"	"	X
7440-47-3	Chromium	19.4		mg/kg dry	0.955	1	"	"	"	"	X
7439-97-6	Mercury	0.808		mg/kg dry	0.0311	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	306		mg/kg dry	1.43	1	SW846 6010B	"	08-Jan-09	9010321	X
7782-49-2	Selenium	2.04		mg/kg dry	1.43	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0216		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-6 (0-2)	107307-3631	Soil	05-Jan-09 09:30	06-Jan-09
SA89494-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	0.0576		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	88.6		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5) SA89494-04	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds					Initial weight: 6.05 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.3	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	52.6	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.3	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.6	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.3	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.3	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	52.6	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	52.6	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	52.6	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5)	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09
SA89494-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.05 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.3	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	52.6	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	52.6	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	105	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.3	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2100	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	739	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	739	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	739	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	739	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	739	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	739	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	739	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	739	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	739	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	739	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	739	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	739	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	739	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5) SA89494-04	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	739	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	739	2	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	739	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	739	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	739	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	739	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	739	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	739	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	739	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	739	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	739	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	739	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	739	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	739	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	739	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	739	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	739	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	739	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	739	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	739	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	739	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	739	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	739	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	739	2	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	739	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	739	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	739	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	739	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	739	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	739	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	739	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	739	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	739	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	739	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	739	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	739	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	739	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	739	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2960	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2960	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	739	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5) SA89494-04	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	739	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	739	2	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	739	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	739	2	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	739	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	739	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	739	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	739	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*54*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*54*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*73*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*56*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5) SA89494-04	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*51*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5) SA89494-04	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*33*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*62*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.9	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.9	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.9	1	"	"	"	"	
	Unidentified	75.2		mg/kg dry	14.9	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	75.2		mg/kg dry	14.9	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	75.2		mg/kg dry	14.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*81*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.57	1	SW846 6010B	07-Jan-09	08-Jan-09	9010321	X
7440-38-2	Arsenic	6.37		mg/kg dry	1.57	1	"	"	"	"	X
7440-39-3	Barium	112		mg/kg dry	1.05	1	"	"	"	"	X
7440-43-9	Cadmium	0.848		mg/kg dry	0.524	1	"	"	"	"	X
7440-47-3	Chromium	22.3		mg/kg dry	1.05	1	"	"	"	"	X
7439-97-6	Mercury	0.144		mg/kg dry	0.0302	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	190		mg/kg dry	1.57	1	SW846 6010B	"	08-Jan-09	9010321	X
7782-49-2	Selenium	2.26		mg/kg dry	1.57	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.116		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	0.0055		mg/l	0.0050	1	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-4 (1-3.5)	107307-3631	Soil	05-Jan-09 09:55	06-Jan-09
SA89494-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	0.0399		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.0		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3) SA89494-05	107307-3631	Soil	05-Jan-09 10:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds					Initial weight: 5.86 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.0	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	50.2	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.0	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.0	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.2	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.1	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.0	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.0	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.0	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.0	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.0	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.2	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.2	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	50.2	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.0	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3) SA89494-05	107307-3631	Soil	05-Jan-09 10:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.86 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.0	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.0	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.0	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.0	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.0	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	50.2	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.2	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	100	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.1	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2010	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	352	1	SW846 8270C	07-Jan-09	09-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	352	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	352	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	352	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	352	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	352	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	352	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	352	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3) SA89494-05	107307-3631	Soil	05-Jan-09 10:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	352	1	SW846 8270C	07-Jan-09	09-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	352	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	352	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	352	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	352	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	352	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	352	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	352	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	352	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	352	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	352	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	352	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	352	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	352	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	352	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	352	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	352	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1410	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1410	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	352	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3) SA89494-05	107307-3631	Soil	05-Jan-09 10:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	352	1	SW846 8270C	07-Jan-09	09-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	352	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	352	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	352	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	352	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*68*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*69*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-3 (1-3) SA89494-05	107307-3631	Soil	05-Jan-09 10:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*73*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*			"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5) SA89494-06	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds					Initial weight: 5.43 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.7	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	66.8	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	66.8	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	33.4	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.4	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.4	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	66.8	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	66.8	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	66.8	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5) SA89494-06	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.43 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.7	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.4	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	66.8	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	66.8	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	134	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.4	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2670	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*84*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*90*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	398	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	398	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	398	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	398	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	398	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	398	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	398	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	398	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	398	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	398	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	398	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	398	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	398	1	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5) SA89494-06	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	398	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	398	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	398	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	398	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	398	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	398	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	398	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	398	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	398	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	398	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	398	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	398	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	398	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	398	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	398	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	398	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	398	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	398	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	398	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	398	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	398	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	398	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	398	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	398	1	"	"	"	"	X
206-44-0	Fluoranthene	715		µg/kg dry	398	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	398	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	398	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	398	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	398	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	398	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	398	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	398	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	398	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	398	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	398	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	398	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	398	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	398	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1590	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1590	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	398	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5)	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09
SA89494-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	398	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	398	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
85-01-8	Phenanthrene	446		µg/kg dry	398	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	398	1	"	"	"	"	X
129-00-0	Pyrene	783		µg/kg dry	398	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	398	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	398	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	398	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*73*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*67*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*94*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5) SA89494-06	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*87*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5) SA89494-06	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*76*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*90*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	23.7	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	23.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	23.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	23.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	23.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	23.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	23.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	23.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	23.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	16.0	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	16.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	16.0	1	"	"	"	"	
	Unidentified	68.5		mg/kg dry	16.0	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	16.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	68.5		mg/kg dry	16.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	68.5		mg/kg dry	16.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*98*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.55	1	SW846 6010B	07-Jan-09	08-Jan-09	9010321	X
7440-38-2	Arsenic	5.89		mg/kg dry	1.55	1	"	"	"	"	X
7440-39-3	Barium	80.7		mg/kg dry	1.04	1	"	"	"	"	X
7440-43-9	Cadmium	0.678		mg/kg dry	0.518	1	"	"	"	"	X
7440-47-3	Chromium	22.7		mg/kg dry	1.04	1	"	"	"	"	X
7439-97-6	Mercury	0.201		mg/kg dry	0.0339	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	245		mg/kg dry	1.55	1	SW846 6010B	"	08-Jan-09	9010321	X
7782-49-2	Selenium	2.74		mg/kg dry	1.55	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.163		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	0.0062		mg/l	0.0050	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-5 (1-3.5)	107307-3631	Soil	05-Jan-09 10:30	06-Jan-09
SA89494-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	0.0545		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	82.2		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4)	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09
SA89494-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds						Initial weight: 6.2 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.7	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	119	VOC6	µg/kg dry	47.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	47.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	23.6	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	47.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	47.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	47.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4) SA89494-07	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.2 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.7	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	47.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	47.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	94.5	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	23.6	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1890	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*83*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	355	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	355	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	355	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	355	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	355	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	355	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	355	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	355	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	355	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	355	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	355	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	355	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	355	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4) SA89494-07	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	355	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	355	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	355	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	355	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	355	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	355	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	355	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	355	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	355	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	355	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	355	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	355	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	355	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	355	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	355	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	355	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	355	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	355	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	355	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	355	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	355	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	355	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	355	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	355	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	355	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	355	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	355	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	355	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	355	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	355	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	355	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	355	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	355	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	355	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	355	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	355	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	355	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	355	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1420	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1420	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	355	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4) SA89494-07	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	355	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	355	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	355	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	355	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	355	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	355	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	355	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	355	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*52*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*52*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4) SA89494-07	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4) SA89494-07	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*73*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*86*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*75*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.37	1	SW846 8081A	07-Jan-09	09-Jan-09	9010281	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.37	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.37	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.37	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.37	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.37	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.37	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.37	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.37	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.37	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.37	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.37	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.37	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.37	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.37	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.37	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.37	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.37	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.37	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.37	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	26.8	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	26.8	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	10.7	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	10.7	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	10.7	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	10.7	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	10.7	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	10.7	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	10.7	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	10.7	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	10.7	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	10.7	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4)	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09
SA89494-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-72-1	2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X
94-75-7	2,4-D	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-82-6	2,4-DB	BRL		µg/kg dry	6.70	1	"	"	"	"	X
75-99-0	Dalapon	BRL		µg/kg dry	6.70	1	"	"	"	"	X
1918-00-9	Dicamba	BRL		µg/kg dry	6.70	1	"	"	"	"	X
120-36-5	Dichlorprop	BRL		µg/kg dry	6.70	1	"	"	"	"	X
88-85-7	Dinoseb	BRL		µg/kg dry	6.70	1	"	"	"	"	X
94-74-6	MCPA	BRL		µg/kg dry	670	1	"	"	"	"	X
94-81-5	MCPB	BRL		µg/kg dry	670	1	"	"	"	"	
93-65-2	MCPP	BRL		µg/kg dry	670	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*113*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.3	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.3	1	"	"	"	"	
	Unidentified	39.0		mg/kg dry	14.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	39.0		mg/kg dry	14.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	39.0		mg/kg dry	14.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*80*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.49	1	SW846 6010B	07-Jan-09	08-Jan-09	9010321	X
7440-38-2	Arsenic	3.13		mg/kg dry	1.49	1	"	"	"	"	X
7440-39-3	Barium	120		mg/kg dry	0.990	1	"	"	"	"	X
7440-41-7	Beryllium	0.921		mg/kg dry	0.495	1	"	"	09-Jan-09	"	X
7440-43-9	Cadmium	0.535		mg/kg dry	0.495	1	"	"	08-Jan-09	"	X
7440-47-3	Chromium	31.1		mg/kg dry	0.990	1	"	"	"	"	X
7440-50-8	Copper	30.5		mg/kg dry	0.990	1	"	"	"	"	X
7439-97-6	Mercury	0.159		mg/kg dry	0.0301	1	SW846 7471A	"	12-Jan-09	9010322	X
7440-23-5	Sodium	145		mg/kg dry	24.8	1	SW846 6010B	"	08-Jan-09	9010321	X
7440-02-0	Nickel	22.1		mg/kg dry	0.990	1	"	"	"	"	X
7439-92-1	Lead	281		mg/kg dry	1.49	1	"	"	"	"	X
7440-36-0	Antimony	BRL		mg/kg dry	2.97	1	"	"	"	"	X
7782-49-2	Selenium	3.68		mg/kg dry	1.49	1	"	"	"	"	X
7440-28-0	Thallium	BRL		mg/kg dry	2.97	1	"	"	"	"	X
7440-62-2	Vanadium	43.3		mg/kg dry	1.49	1	"	"	"	"	X
7440-66-6	Zinc	99.7		mg/kg dry	0.990	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.120		mg/l	0.0050	1	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-13 (2-4) SA89494-07	107307-3631	Soil	05-Jan-09 11:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7440-41-7	Beryllium	BRL		mg/l	0.0020	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-50-8	Copper	0.0080		mg/l	0.0050	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	"	13-Jan-09	9010578	
7440-02-0	Nickel	BRL		mg/l	0.0050	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7439-92-1	Lead	0.0154		mg/l	0.0075	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/l	0.0060	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/l	0.0050	1	"	"	"	"	
7440-62-2	Vanadium	0.0112		mg/l	0.0100	1	"	"	"	"	
7440-66-6	Zinc	0.0296		mg/l	0.0240	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	92.9		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	
16887-00-6	Chloride	BRL		mg/kg dry	10.3	1	EPA 300.0	12-Jan-09	12-Jan-09	9010423	
57-12-5	Cyanide (total)	BRL		mg/kg dry	0.979	1	SW846 9012A	08-Jan-09	09-Jan-09	9010395	X
14797-55-8	Nitrate as N	BRL		mg/kg dry	1.03	1	EPA 300.0	12-Jan-09	12-Jan-09	9010423	
Toxicity Characteristics											
Re-analysis of Flashpoint by SW846 1010											
	Flashpoint	>200		°F		1	SW846 1010	04-Mar-09	04-Mar-09	9030238	X
	Ignitability by Definition	Negative	IgHT	N/A		1	SW846 1030	07-Jan-09 09:13	07-Jan-09 09:30	9010289	X
	pH	7.83	pHs,pH	pH Units		1	SW846 9045C	06-Jan-09 18:26	06-Jan-09 20:29	9010265	X
Reactivity Cyanide/Sulfide											
Prepared by method General Preparation											
	Reactivity	Nonreactive		mg/kg dry		1	SW846 Ch. 7.3	08-Jan-09	08-Jan-09	9010433	X
	Reactive Cyanide	BRL		mg/kg dry	24.9	1	"	"	"	"	X
	Reactive Sulfide	BRL		mg/kg dry	49.8	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4) SA89494-08	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds					Initial weight: 6.25 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.7	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
67-64-1	Acetone	67.5	VOC6	µg/kg dry	47.3	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	4.7	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	47.3	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	23.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.5	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	4.7	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.5	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	47.3	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	47.3	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	47.3	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	4.7	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4)	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09
SA89494-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.25 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	4.7	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	4.7	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	4.7	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	4.7	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.5	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.7	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	47.3	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	4.7	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	47.3	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	94.6	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	23.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	1890	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	352	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	352	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	352	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	352	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	352	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	352	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	352	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	352	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4)	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09
SA89494-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	352	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	352	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	352	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	352	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	352	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	352	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	352	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	352	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	352	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	352	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	352	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	352	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	352	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	352	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	352	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	352	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	352	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	352	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	352	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	352	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	352	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	352	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	352	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1410	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1410	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	352	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4) SA89494-08	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	352	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	352	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	352	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	352	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	352	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	352	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	352	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	352	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*73*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*65*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*91*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4) SA89494-08	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*44*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*			"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4) SA89494-08	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*31*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*55*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*59*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.2	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.2	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.2	1	"	"	"	"	
	Unidentified	75.0		mg/kg dry	14.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	75.0		mg/kg dry	14.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	75.0		mg/kg dry	14.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*92*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.45	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	10.9		mg/kg dry	1.45	1	"	"	"	"	X
7440-39-3	Barium	71.3		mg/kg dry	0.965	1	"	"	"	"	X
7440-43-9	Cadmium	0.521		mg/kg dry	0.483	1	"	"	"	"	X
7440-47-3	Chromium	27.0		mg/kg dry	0.965	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0288	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	23.2		mg/kg dry	1.45	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	3.07		mg/kg dry	1.45	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0300		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-9 (2-4) SA89494-08	107307-3631	Soil	05-Jan-09 11:45	06-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	0.0079		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	92.5		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2) SA89494-09	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds					Initial weight: 4.59 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.5	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	65.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.5	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	65.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	32.7	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	65.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	65.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	65.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.5	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2) SA89494-09	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.59 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.5	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.5	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.5	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.5	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.5	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	65.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.5	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	65.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	131	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	32.7	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2620	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*80*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*88*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	360	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	360	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	360	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	360	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	360	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	360	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	360	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	360	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	360	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	360	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	360	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	360	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	360	1	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2) SA89494-09	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	360	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	360	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	360	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	360	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	360	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	360	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	360	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	360	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	360	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	360	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	360	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	360	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	360	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	360	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	360	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	360	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	360	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	360	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	360	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	360	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	360	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	360	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	360	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	360	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	360	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	360	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	360	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	360	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1440	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1440	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	360	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2)	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09
SA89494-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	360	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	360	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	360	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	360	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	360	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	360	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	360	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	360	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*66*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*62*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*69*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2) SA89494-09	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*79*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2)	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09
SA89494-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	73		15-110 %			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	89		30-130 %			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	75		15-110 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.4	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.4	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.4	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.4	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.4	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.4	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	78		30-150 %			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	81		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.5	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	93		50-150 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.39	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	11.6		mg/kg dry	1.39	1	"	"	"	"	X
7440-39-3	Barium	74.5		mg/kg dry	0.926	1	"	"	"	"	X
7440-43-9	Cadmium	0.727		mg/kg dry	0.463	1	"	"	"	"	X
7440-47-3	Chromium	18.8		mg/kg dry	0.926	1	"	"	"	"	X
7439-97-6	Mercury	0.0633		mg/kg dry	0.0313	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	19.1		mg/kg dry	1.39	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	2.61		mg/kg dry	1.39	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0239		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-10 (0-2)	107307-3631	Soil	05-Jan-09 12:10	06-Jan-09
SA89494-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	BRL		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.5		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3) SA89494-10	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010271	
Volatile Organic Compounds					Initial weight: 5.62 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
67-64-1	Acetone	BRL		µg/kg dry	51.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.2	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	10.3	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3) SA89494-10	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.62 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260B	08-Jan-09	08-Jan-09	9010383	X
100-42-5	Styrene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.2	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.2	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.3	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	103	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2060	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	349	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	349	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	349	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	349	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	349	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	349	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	349	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	349	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	349	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	349	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	349	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	349	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	349	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3) SA89494-10	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	349	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	349	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	349	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	349	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	349	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	349	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	349	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	349	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	349	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	349	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	349	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	349	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	349	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	349	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	349	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	349	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	349	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	349	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	349	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	349	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	349	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	349	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	349	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	349	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	349	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	349	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	349	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	349	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	349	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	349	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	349	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	349	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	349	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	349	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	349	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	349	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	349	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	349	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1400	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1400	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	349	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3) SA89494-10	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	349	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	349	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	349	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	349	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	349	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	349	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	349	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	349	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*54*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*55*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*61*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3)	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09
SA89494-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*65*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3) SA89494-10	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*66*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*79*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*70*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.9	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	20.9	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	20.9	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	20.9	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	20.9	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	20.9	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	20.9	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	20.9	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	20.9	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.1	1	+CT ETPH	07-Jan-09	08-Jan-09	9010279	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	14.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	14.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.1	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*78*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.47	1	SW846 6010B	07-Jan-09	09-Jan-09	9010321	X
7440-38-2	Arsenic	2.72		mg/kg dry	1.47	1	"	"	"	"	X
7440-39-3	Barium	45.1		mg/kg dry	0.982	1	"	"	"	"	X
7440-43-9	Cadmium	0.511		mg/kg dry	0.491	1	"	"	"	"	X
7440-47-3	Chromium	13.3		mg/kg dry	0.982	1	"	"	"	"	X
7439-97-6	Mercury	0.0880		mg/kg dry	0.0298	1	SW846 7471A	"	12-Jan-09	9010322	X
7439-92-1	Lead	19.7		mg/kg dry	1.47	1	SW846 6010B	"	09-Jan-09	9010321	X
7782-49-2	Selenium	1.86		mg/kg dry	1.47	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	13-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	12-Jan-09	"	
7440-39-3	Barium	0.112		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-12 (1-3) SA89494-10	107307-3631	Soil	05-Jan-09 12:40	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	BRL		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	93.1		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
Blank (9010328-BLK1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
Blank (9010328-BLK1)										
Prepared & Analyzed: 07-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Toluene-d8	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.2*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (9010328-BS1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.9		µg/kg wet		20.0		119	70-130		
Acetone	7.0		µg/kg wet		20.0		35	7.9-168		
Acrylonitrile	15.5		µg/kg wet		20.0		78	70-130		
Benzene	21.3		µg/kg wet		20.0		107	70-130		
Bromobenzene	17.2		µg/kg wet		20.0		86	70-130		
Bromochloromethane	16.0		µg/kg wet		20.0		80	70-130		
Bromodichloromethane	21.0		µg/kg wet		20.0		105	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	12.7		µg/kg wet		20.0		64	50-134		
2-Butanone (MEK)	17.5		µg/kg wet		20.0		88	44.6-130		
n-Butylbenzene	22.5		µg/kg wet		20.0		112	70-130		
sec-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130		
tert-Butylbenzene	17.2		µg/kg wet		20.0		86	70-130		
Carbon disulfide	20.1		µg/kg wet		20.0		100	70-130		
Carbon tetrachloride	22.8		µg/kg wet		20.0		114	70-130		
Chlorobenzene	19.9		µg/kg wet		20.0		100	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
LCS (9010328-BS1)										
Prepared & Analyzed: 07-Jan-09										
Chloroethane	14.0		µg/kg wet		20.0		70	59.2-130		
Chloroform	19.6		µg/kg wet		20.0		98	70-130		
Chloromethane	11.6	QC2	µg/kg wet		20.0		58	70-130		
2-Chlorotoluene	18.3		µg/kg wet		20.0		92	70-130		
4-Chlorotoluene	17.5		µg/kg wet		20.0		87	70-130		
1,2-Dibromo-3-chloropropane	19.3		µg/kg wet		20.0		96	70-130		
Dibromochloromethane	18.2		µg/kg wet		20.0		91	63.8-130		
1,2-Dibromoethane (EDB)	16.0		µg/kg wet		20.0		80	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	15.9		µg/kg wet		20.0		80	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	12.1		µg/kg wet		20.0		61	41.8-130		
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
trans-1,2-Dichloroethene	21.9		µg/kg wet		20.0		110	70-130		
1,2-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130		
1,3-Dichloropropane	17.3		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	21.7		µg/kg wet		20.0		109	70-130		
1,1-Dichloropropene	22.7		µg/kg wet		20.0		114	70-130		
cis-1,3-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	19.1		µg/kg wet		20.0		95	70-130		
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	14.1		µg/kg wet		20.0		70	70-130		
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132		
Methylene chloride	15.7		µg/kg wet		20.0		78	70-130		
Naphthalene	16.5		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	18.1		µg/kg wet		20.0		91	70-130		
Styrene	18.3		µg/kg wet		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	21.5		µg/kg wet		20.0		108	70-130		
1,1,2,2-Tetrachloroethane	16.8		µg/kg wet		20.0		84	70-130		
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130		
Toluene	16.9		µg/kg wet		20.0		84	70-130		
1,2,3-Trichlorobenzene	17.0		µg/kg wet		20.0		85	70-130		
1,2,4-Trichlorobenzene	17.0		µg/kg wet		20.0		85	70-130		
1,3,5-Trichlorobenzene	18.7		µg/kg wet		20.0		93	70-130		
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130		
Trichloroethene	20.5		µg/kg wet		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	18.9		µg/kg wet		20.0		95	68.2-130		
1,2,3-Trichloropropane	17.4		µg/kg wet		20.0		87	70-130		
1,2,4-Trimethylbenzene	17.3		µg/kg wet		20.0		87	70-130		
1,3,5-Trimethylbenzene	18.0		µg/kg wet		20.0		90	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
LCS (9010328-BS1)										
Prepared & Analyzed: 07-Jan-09										
Vinyl chloride	15.2		µg/kg wet		20.0		76	70-130		
m,p-Xylene	39.0		µg/kg wet		40.0		98	70-130		
o-Xylene	18.8		µg/kg wet		20.0		94	70-130		
Tetrahydrofuran	16.1		µg/kg wet		20.0		81	70-130		
Ethyl ether	21.9		µg/kg wet		20.0		109	70-130		
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		95	70-130		
Ethyl tert-butyl ether	21.5		µg/kg wet		20.0		108	70-130		
Di-isopropyl ether	21.7		µg/kg wet		20.0		108	70-130		
Tert-Butanol / butyl alcohol	157		µg/kg wet		200		78	70-130		
1,4-Dioxane	128		µg/kg wet		200		64	48.7-130		
trans-1,4-Dichloro-2-butene	18.3		µg/kg wet		20.0		91	70-130		
Ethanol	295		µg/kg wet		400		74	70-130		
Surrogate: 4-Bromofluorobenzene	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS Dup (9010328-BSD1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.2		µg/kg wet		20.0		116	70-130	3	25
Acetone	11.4		µg/kg wet		20.0		57	7.9-168	47	50
Acrylonitrile	15.8		µg/kg wet		20.0		79	70-130	2	25
Benzene	22.4		µg/kg wet		20.0		112	70-130	5	25
Bromobenzene	17.7		µg/kg wet		20.0		89	70-130	3	25
Bromochloromethane	16.3		µg/kg wet		20.0		82	70-130	2	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	0.9	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	5	25
Bromomethane	13.8		µg/kg wet		20.0		69	50-134	8	50
2-Butanone (MEK)	19.7		µg/kg wet		20.0		98	44.6-130	12	50
n-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130	2	25
sec-Butylbenzene	18.6		µg/kg wet		20.0		93	70-130	6	25
tert-Butylbenzene	17.6		µg/kg wet		20.0		88	70-130	3	25
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130	4	25
Carbon tetrachloride	23.5		µg/kg wet		20.0		117	70-130	3	25
Chlorobenzene	20.3		µg/kg wet		20.0		101	70-130	2	25
Chloroethane	14.5		µg/kg wet		20.0		72	59.2-130	4	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	2	25
Chloromethane	12.2	QC2	µg/kg wet		20.0		61	70-130	5	25
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130	4	25
4-Chlorotoluene	18.2		µg/kg wet		20.0		91	70-130	4	25
1,2-Dibromo-3-chloropropane	22.7		µg/kg wet		20.0		113	70-130	16	25
Dibromochloromethane	18.6		µg/kg wet		20.0		93	63.8-130	2	50
1,2-Dibromoethane (EDB)	17.2		µg/kg wet		20.0		86	70-130	7	25
Dibromomethane	18.4		µg/kg wet		20.0		92	70-130	1	25
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		101	70-130	3	25
1,3-Dichlorobenzene	17.1		µg/kg wet		20.0		85	70-130	7	25
1,4-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Dichlorodifluoromethane (Freon12)	13.3		µg/kg wet		20.0		66	41.8-130	9	50
1,1-Dichloroethane	21.1		µg/kg wet		20.0		105	70-130	2	25
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	6	25
1,1-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
LCS Dup (9010328-BSD1)										
Prepared & Analyzed: 07-Jan-09										
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	0.3	25
trans-1,2-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130	1	25
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130	3	25
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130	3	25
2,2-Dichloropropane	22.0		µg/kg wet		20.0		110	70-130	1	25
1,1-Dichloropropene	22.9		µg/kg wet		20.0		114	70-130	0.7	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	4	25
trans-1,3-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130	4	25
Ethylbenzene	21.0		µg/kg wet		20.0		105	70-130	4	25
Hexachlorobutadiene	20.0		µg/kg wet		20.0		100	68.3-130	8	50
2-Hexanone (MBK)	14.9		µg/kg wet		20.0		74	70-130	6	25
Isopropylbenzene	18.9		µg/kg wet		20.0		95	70-130	3	25
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130	3	25
Methyl tert-butyl ether	21.5		µg/kg wet		20.0		107	70-130	4	25
4-Methyl-2-pentanone (MIBK)	16.2		µg/kg wet		20.0		81	53.1-132	7	50
Methylene chloride	17.1		µg/kg wet		20.0		86	70-130	9	25
Naphthalene	17.1		µg/kg wet		20.0		86	70-130	4	25
n-Propylbenzene	18.8		µg/kg wet		20.0		94	70-130	4	25
Styrene	19.0		µg/kg wet		20.0		95	70-130	4	25
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130	0.5	25
1,1,2,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130	6	25
Tetrachloroethene	19.3		µg/kg wet		20.0		96	70-130	2	25
Toluene	17.6		µg/kg wet		20.0		88	70-130	4	25
1,2,3-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	9	25
1,2,4-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	9	25
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	7	25
1,1,1-Trichloroethane	22.1		µg/kg wet		20.0		111	70-130	0.4	25
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	6	25
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130	3	25
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet		20.0		100	68.2-130	6	50
1,2,3-Trichloropropane	17.8		µg/kg wet		20.0		89	70-130	2	25
1,2,4-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130	5	25
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		93	70-130	3	25
Vinyl chloride	15.8		µg/kg wet		20.0		79	70-130	4	25
m,p-Xylene	40.3		µg/kg wet		40.0		101	70-130	3	25
o-Xylene	19.5		µg/kg wet		20.0		98	70-130	4	25
Tetrahydrofuran	17.3		µg/kg wet		20.0		86	70-130	7	25
Ethyl ether	22.4		µg/kg wet		20.0		112	70-130	2	50
Tert-amyl methyl ether	18.7		µg/kg wet		20.0		93	70-130	2	25
Ethyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130	1	25
Di-isopropyl ether	21.8		µg/kg wet		20.0		109	70-130	0.4	25
Tert-Butanol / butyl alcohol	179		µg/kg wet		200		89	70-130	13	25
1,4-Dioxane	152		µg/kg wet		200		76	48.7-130	18	25
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130	3	25
Ethanol	316		µg/kg wet		400		79	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
Blank (9010383-BLK1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
Blank (9010383-BLK1)										
Prepared & Analyzed: 08-Jan-09										
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.0*		µg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (9010383-BS1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.5		µg/kg wet		20.0		103	70-130		
Acetone	12.0		µg/kg wet		20.0		60	7.9-168		
Acrylonitrile	16.8		µg/kg wet		20.0		84	70-130		
Benzene	19.9		µg/kg wet		20.0		99	70-130		
Bromobenzene	18.0		µg/kg wet		20.0		90	70-130		
Bromochloromethane	16.6		µg/kg wet		20.0		83	70-130		
Bromodichloromethane	18.7		µg/kg wet		20.0		94	70-130		
Bromoform	18.8		µg/kg wet		20.0		94	70-130		
Bromomethane	16.7		µg/kg wet		20.0		83	50-134		
2-Butanone (MEK)	15.6		µg/kg wet		20.0		78	44.6-130		
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130		
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	20.6		µg/kg wet		20.0		103	70-130		
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130		
Chlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
Chloroethane	17.0		µg/kg wet		20.0		85	59.2-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
LCS (9010383-BS1)										
Prepared & Analyzed: 08-Jan-09										
Chloroform	17.8		µg/kg wet		20.0		89	70-130		
Chloromethane	15.5		µg/kg wet		20.0		78	70-130		
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	17.9		µg/kg wet		20.0		90	63.8-130		
1,2-Dibromoethane (EDB)	17.0		µg/kg wet		20.0		85	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,4-Dichlorobenzene	18.9		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	15.0		µg/kg wet		20.0		75	41.8-130		
1,1-Dichloroethane	18.3		µg/kg wet		20.0		91	70-130		
1,2-Dichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	19.5		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	17.5		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	17.7		µg/kg wet		20.0		89	70-130		
1,1-Dichloropropene	19.7		µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	18.9		µg/kg wet		20.0		94	68.3-130		
2-Hexanone (MBK)	16.3		µg/kg wet		20.0		82	70-130		
Isopropylbenzene	19.7		µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132		
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130		
Naphthalene	16.5		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	19.8		µg/kg wet		20.0		99	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130		
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
Tetrachloroethene	17.6		µg/kg wet		20.0		88	70-130		
Toluene	17.0		µg/kg wet		20.0		85	70-130		
1,2,3-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130		
1,2,4-Trichlorobenzene	16.9		µg/kg wet		20.0		85	70-130		
1,3,5-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130		
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130		
Trichloroethene	18.3		µg/kg wet		20.0		92	70-130		
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet		20.0		98	68.2-130		
1,2,3-Trichloropropane	18.6		µg/kg wet		20.0		93	70-130		
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130		
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130		
Vinyl chloride	18.7		µg/kg wet		20.0		93	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
LCS (9010383-BS1)										
Prepared & Analyzed: 08-Jan-09										
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130		
o-Xylene	19.7		µg/kg wet		20.0		98	70-130		
Tetrahydrofuran	17.6		µg/kg wet		20.0		88	70-130		
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-amyl methyl ether	15.8		µg/kg wet		20.0		79	70-130		
Ethyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130		
Di-isopropyl ether	19.1		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	169		µg/kg wet		200		85	70-130		
1,4-Dioxane	173		µg/kg wet		200		86	48.7-130		
trans-1,4-Dichloro-2-butene	18.7		µg/kg wet		20.0		93	70-130		
Ethanol	367		µg/kg wet		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.7*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*46.3*		µg/kg wet		*50.0*		*93*	*70-130*		
LCS Dup (9010383-BSD1)										
Prepared & Analyzed: 08-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/kg wet		20.0		110	70-130	7	25
Acetone	13.0		µg/kg wet		20.0		65	7.9-168	8	50
Acrylonitrile	17.8		µg/kg wet		20.0		89	70-130	5	25
Benzene	20.6		µg/kg wet		20.0		103	70-130	4	25
Bromobenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
Bromochloromethane	16.7		µg/kg wet		20.0		83	70-130	0.2	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	6	25
Bromoform	18.9		µg/kg wet		20.0		94	70-130	0.4	25
Bromomethane	16.0		µg/kg wet		20.0		80	50-134	4	50
2-Butanone (MEK)	13.2		µg/kg wet		20.0		66	44.6-130	16	50
n-Butylbenzene	22.3		µg/kg wet		20.0		112	70-130	5	25
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	3	25
tert-Butylbenzene	18.9		µg/kg wet		20.0		95	70-130	3	25
Carbon disulfide	21.5		µg/kg wet		20.0		107	70-130	4	25
Carbon tetrachloride	21.0		µg/kg wet		20.0		105	70-130	4	25
Chlorobenzene	19.7		µg/kg wet		20.0		98	70-130	1	25
Chloroethane	16.5		µg/kg wet		20.0		82	59.2-130	4	50
Chloroform	18.7		µg/kg wet		20.0		94	70-130	5	25
Chloromethane	14.8		µg/kg wet		20.0		74	70-130	4	25
2-Chlorotoluene	19.5		µg/kg wet		20.0		98	70-130	1	25
4-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130	2	25
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130	6	25
Dibromochloromethane	17.8		µg/kg wet		20.0		89	63.8-130	0.4	50
1,2-Dibromoethane (EDB)	17.5		µg/kg wet		20.0		87	70-130	3	25
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130	0.05	25
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130	4	25
1,3-Dichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	5	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	6	25
Dichlorodifluoromethane (Freon12)	14.1		µg/kg wet		20.0		70	41.8-130	6	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	8	25
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130	1	25
1,1-Dichloroethene	21.4		µg/kg wet		20.0		107	70-130	3	25
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	6	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010383 - SW846 5035A Soil (low level)										
LCS Dup (9010383-BSD1)										
Prepared & Analyzed: 08-Jan-09										
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	6	25
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130	5	25
1,3-Dichloropropane	17.5		µg/kg wet		20.0		88	70-130	0.3	25
2,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	5	25
1,1-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	4	25
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130	4	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130	7	25
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130	0.1	25
Hexachlorobutadiene	18.7		µg/kg wet		20.0		93	68.3-130	1	50
2-Hexanone (MBK)	16.0		µg/kg wet		20.0		80	70-130	2	25
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130	0.8	25
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130	4	25
Methyl tert-butyl ether	19.5		µg/kg wet		20.0		97	70-130	6	25
4-Methyl-2-pentanone (MIBK)	17.1		µg/kg wet		20.0		86	53.1-132	12	50
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130	0.06	25
Naphthalene	16.2		µg/kg wet		20.0		81	70-130	2	25
n-Propylbenzene	19.7		µg/kg wet		20.0		99	70-130	0.3	25
Styrene	19.0		µg/kg wet		20.0		95	70-130	3	25
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		99	70-130	3	25
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130	5	25
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130	8	25
Toluene	17.3		µg/kg wet		20.0		86	70-130	2	25
1,2,3-Trichlorobenzene	17.4		µg/kg wet		20.0		87	70-130	3	25
1,2,4-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	5	25
1,3,5-Trichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	4	25
1,1,1-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	6	25
1,1,2-Trichloroethane	18.0		µg/kg wet		20.0		90	70-130	1	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	6	25
Trichlorofluoromethane (Freon 11)	19.5		µg/kg wet		20.0		98	68.2-130	0.1	50
1,2,3-Trichloropropane	17.8		µg/kg wet		20.0		89	70-130	5	25
1,2,4-Trimethylbenzene	19.1		µg/kg wet		20.0		95	70-130	2	25
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130	3	25
Vinyl chloride	17.9		µg/kg wet		20.0		90	70-130	4	25
m,p-Xylene	40.7		µg/kg wet		40.0		102	70-130	0.07	25
o-Xylene	20.1		µg/kg wet		20.0		100	70-130	2	25
Tetrahydrofuran	17.4		µg/kg wet		20.0		87	70-130	1	25
Ethyl ether	20.1		µg/kg wet		20.0		101	70-130	4	50
Tert-amyl methyl ether	20.8	QR2	µg/kg wet		20.0		104	70-130	27	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	9	25
Di-isopropyl ether	20.0		µg/kg wet		20.0		100	70-130	5	25
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130	7	25
1,4-Dioxane	162		µg/kg wet		200		81	48.7-130	6	25
trans-1,4-Dichloro-2-butene	17.5		µg/kg wet		20.0		88	70-130	6	25
Ethanol	393		µg/kg wet		400		98	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.6*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Blank (9010276-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Blank (9010276-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3 & 4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1260*		µg/kg wet		*1670*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*1330*		µg/kg wet		*1670*		*80*	*15-110*		
Surrogate: Nitrobenzene-d5	*1190*		µg/kg wet		*1670*		*71*	*30-130*		
Surrogate: Phenol-d5	*1220*		µg/kg wet		*1670*		*73*	*15-110*		
Surrogate: Terphenyl-dl4	*1590*		µg/kg wet		*1670*		*96*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1340*		µg/kg wet		*1670*		*81*	*15-110*		
LCS (9010276-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1260		µg/kg wet	165	1670		75	40-130		
Acenaphthylene	1230		µg/kg wet	165	1670		74	40-130		
Aniline	345	QC2	µg/kg wet	165	1670		21	40-130		
Anthracene	1150		µg/kg wet	165	1670		69	40-130		
Atrazine	914		µg/kg wet	165	1670		55	40-130		
Azobenzene/Diphenyldiazine	1200		µg/kg wet	165	1670		72	40-130		
Benzidine	BRL		µg/kg wet	165	1670			0-130		
Benzo (a) anthracene	1500		µg/kg wet	165	1670		90	40-130		
Benzo (a) pyrene	1240		µg/kg wet	165	1670		75	40-130		
Benzo (b) fluoranthene	1380		µg/kg wet	165	1670		83	40-130		
Benzo (g,h,i) perylene	1400		µg/kg wet	165	1670		84	40-130		
Benzo (k) fluoranthene	1100		µg/kg wet	165	1670		66	40-130		
Benzoic acid	1390		µg/kg wet	165	1670		83	19.5-130		
Benzyl alcohol	1100		µg/kg wet	165	1670		66	40-130		
Bis(2-chloroethoxy)methane	1270		µg/kg wet	165	1670		76	40-130		
Bis(2-chloroethyl)ether	1400		µg/kg wet	165	1670		84	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
LCS (9010276-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Bis(2-chloroisopropyl)ether	1340		µg/kg wet	165	1670		81	40-130		
Bis(2-ethylhexyl)phthalate	1670		µg/kg wet	165	1670		100	40-130		
4-Bromophenyl phenyl ether	1280		µg/kg wet	165	1670		77	40-130		
Butyl benzyl phthalate	1660		µg/kg wet	165	1670		99	40-130		
Carbazole	1180		µg/kg wet	165	1670		71	40-130		
4-Chloro-3-methylphenol	1190		µg/kg wet	165	1670		71	40-130		
4-Chloroaniline	674		µg/kg wet	165	1670		40	40-130		
2-Chloronaphthalene	1150		µg/kg wet	165	1670		69	40-130		
2-Chlorophenol	1180		µg/kg wet	165	1670		71	40-130		
4-Chlorophenyl phenyl ether	1410		µg/kg wet	165	1670		85	40-130		
Chrysene	1460		µg/kg wet	165	1670		88	40-130		
Dibenzo (a,h) anthracene	1410		µg/kg wet	165	1670		85	40-130		
Dibenzofuran	1180		µg/kg wet	165	1670		71	40-130		
1,2-Dichlorobenzene	1150		µg/kg wet	165	1670		69	40-130		
1,3-Dichlorobenzene	1140		µg/kg wet	165	1670		69	40-130		
1,4-Dichlorobenzene	1110		µg/kg wet	165	1670		67	40-130		
3,3'-Dichlorobenzidine	1090		µg/kg wet	165	1670		65	40-130		
2,4-Dichlorophenol	1200		µg/kg wet	165	1670		72	40-130		
Diethyl phthalate	1400		µg/kg wet	165	1670		84	40-130		
Dimethyl phthalate	1420		µg/kg wet	165	1670		85	40-130		
2,4-Dimethylphenol	1100		µg/kg wet	165	1670		66	40-130		
Di-n-butyl phthalate	1370		µg/kg wet	165	1670		82	40-130		
4,6-Dinitro-2-methylphenol	1370		µg/kg wet	165	1670		82	40-130		
2,4-Dinitrophenol	1370		µg/kg wet	165	1670		82	40-130		
2,4-Dinitrotoluene	1340		µg/kg wet	165	1670		81	40-130		
2,6-Dinitrotoluene	1250		µg/kg wet	165	1670		75	40-130		
Di-n-octyl phthalate	1330		µg/kg wet	165	1670		80	40-130		
Fluoranthene	1220		µg/kg wet	165	1670		73	40-130		
Fluorene	1210		µg/kg wet	165	1670		72	40-130		
Hexachlorobenzene	1090		µg/kg wet	165	1670		66	40-130		
Hexachlorobutadiene	1090		µg/kg wet	165	1670		66	40-130		
Hexachlorocyclopentadiene	979		µg/kg wet	165	1670		59	40-130		
Hexachloroethane	1130		µg/kg wet	165	1670		68	40-130		
Indeno (1,2,3-cd) pyrene	1440		µg/kg wet	165	1670		86	40-130		
1-Methylnaphthalene	1270		µg/kg wet	165	1670		76	40-140		
Isophorone	1090		µg/kg wet	165	1670		65	40-130		
2-Methylnaphthalene	1150		µg/kg wet	165	1670		69	40-130		
2-Methylphenol	1130		µg/kg wet	165	1670		68	40-130		
3 & 4-Methylphenol	1290		µg/kg wet	165	1670		78	40-130		
Naphthalene	1180		µg/kg wet	165	1670		71	40-130		
2-Nitroaniline	1280		µg/kg wet	165	1670		77	40-130		
3-Nitroaniline	806		µg/kg wet	165	1670		48	40-130		
4-Nitroaniline	1160		µg/kg wet	660	1670		69	40-130		
Nitrobenzene	1090		µg/kg wet	165	1670		65	40-130		
2-Nitrophenol	1210		µg/kg wet	165	1670		72	40-130		
4-Nitrophenol	1500		µg/kg wet	660	1670		90	40-130		
N-Nitrosodimethylamine	1480		µg/kg wet	165	1670		89	40-130		
N-Nitrosodi-n-propylamine	1150		µg/kg wet	165	1670		69	40-130		
N-Nitrosodiphenylamine	1340		µg/kg wet	165	1670		81	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
LCS (9010276-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Pentachlorophenol	1290		µg/kg wet	165	1670		78	40-130		
Phenanthrene	1200		µg/kg wet	165	1670		72	40-130		
Phenol	1180		µg/kg wet	165	1670		71	40-130		
Pyrene	1460		µg/kg wet	165	1670		87	40-130		
Pyridine	204		µg/kg wet	165	1670		12	0-130		
1,2,4-Trichlorobenzene	1120		µg/kg wet	165	1670		67	40-130		
2,4,5-Trichlorophenol	1320		µg/kg wet	165	1670		79	40-130		
2,4,6-Trichlorophenol	1250		µg/kg wet	165	1670		75	40-130		
Pentachloronitrobenzene	1150		µg/kg wet	165	1670		69	40-140		
1,2,4,5-Tetrachlorobenzene	1110		µg/kg wet	165	1670		66	40-140		
Surrogate: 2-Fluorobiphenyl	*1180*		µg/kg wet		*1670*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*1160*		µg/kg wet		*1670*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*1150*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: Phenol-d5	*1050*		µg/kg wet		*1670*		*63*	*15-110*		
Surrogate: Terphenyl-d14	*1390*		µg/kg wet		*1670*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1250*		µg/kg wet		*1670*		*75*	*15-110*		
Duplicate (9010276-DUP1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	BRL		µg/kg dry	352		BRL				50
Acenaphthylene	BRL		µg/kg dry	352		BRL				50
Aniline	BRL		µg/kg dry	352		BRL				50
Anthracene	BRL		µg/kg dry	352		BRL				50
Atrazine	BRL		µg/kg dry	352		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	352		BRL				50
Benzidine	BRL		µg/kg dry	352		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	352		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	352		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	352		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	352		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	352		BRL				50
Benzoic acid	BRL		µg/kg dry	352		BRL				50
Benzyl alcohol	BRL		µg/kg dry	352		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	352		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	352		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	352		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	352		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	352		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	352		BRL				50
Carbazole	BRL		µg/kg dry	352		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	352		BRL				50
4-Chloroaniline	BRL		µg/kg dry	352		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	352		BRL				50
2-Chlorophenol	BRL		µg/kg dry	352		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	352		BRL				50
Chrysene	BRL		µg/kg dry	352		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	352		BRL				50
Dibenzofuran	BRL		µg/kg dry	352		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	352		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	352		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	352		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Duplicate (9010276-DUP1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	352		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	352		BRL				50
Diethyl phthalate	BRL		µg/kg dry	352		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	352		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	352		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	352		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	352		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	352		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	352		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	352		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	352		BRL				50
Fluoranthene	BRL		µg/kg dry	352		BRL				50
Fluorene	BRL		µg/kg dry	352		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	352		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	352		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	352		BRL				50
Hexachloroethane	BRL		µg/kg dry	352		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	352		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	352		BRL				50
Isophorone	BRL		µg/kg dry	352		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	352		BRL				50
2-Methylphenol	BRL		µg/kg dry	352		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	352		BRL				50
Naphthalene	BRL		µg/kg dry	352		BRL				50
2-Nitroaniline	BRL		µg/kg dry	352		BRL				50
3-Nitroaniline	BRL		µg/kg dry	352		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1410		BRL				50
Nitrobenzene	BRL		µg/kg dry	352		BRL				50
2-Nitrophenol	BRL		µg/kg dry	352		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1410		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	352		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	352		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	352		BRL				50
Pentachlorophenol	BRL		µg/kg dry	352		BRL				50
Phenanthrene	BRL		µg/kg dry	352		BRL				50
Phenol	BRL		µg/kg dry	352		BRL				50
Pyrene	BRL		µg/kg dry	352		BRL				50
Pyridine	BRL		µg/kg dry	352		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	352		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	352		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	352		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	352		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	352		BRL				50
Surrogate: 2-Fluorobiphenyl	*1120*		µg/kg dry		*1780*		*63*	*30-130*		
Surrogate: 2-Fluorophenol	*1220*		µg/kg dry		*1780*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*1050*		µg/kg dry		*1780*		*59*	*30-130*		
Surrogate: Phenol-d5	*1090*		µg/kg dry		*1780*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*1340*		µg/kg dry		*1780*		*75*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1120*		µg/kg dry		*1780*		*63*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Matrix Spike (9010276-MS1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1320		µg/kg dry	177	1790	BRL	74	40-140		
Benzo (b) fluoranthene	1380		µg/kg dry	177	1790	BRL	77	40-140		
Benzo (k) fluoranthene	1330		µg/kg dry	177	1790	BRL	74	40-140		
4-Chloro-3-methylphenol	1230		µg/kg dry	177	1790	BRL	69	30-130		
2-Chlorophenol	1250		µg/kg dry	177	1790	BRL	70	30-130		
Chrysene	1520		µg/kg dry	177	1790	BRL	85	40-140		
1,4-Dichlorobenzene	1180		µg/kg dry	177	1790	BRL	66	40-140		
Indeno (1,2,3-cd) pyrene	1380		µg/kg dry	177	1790	BRL	77	40-140		
Naphthalene	1230		µg/kg dry	177	1790	BRL	69	40-140		
4-Nitrophenol	1300		µg/kg dry	708	1790	BRL	73	30-130		
N-Nitrosodi-n-propylamine	1170		µg/kg dry	177	1790	BRL	65	40-140		
Pentachlorophenol	1270		µg/kg dry	177	1790	BRL	71	30-130		
Phenol	1250		µg/kg dry	177	1790	BRL	70	30-130		
Pyrene	1580		µg/kg dry	177	1790	BRL	88	40-140		
1,2,4-Trichlorobenzene	1170		µg/kg dry	177	1790	BRL	65	40-140		
Surrogate: 2-Fluorobiphenyl	*1120*		µg/kg dry		*1790*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*1090*		µg/kg dry		*1790*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*1110*		µg/kg dry		*1790*		*62*	*30-130*		
Surrogate: Phenol-d5	*1010*		µg/kg dry		*1790*		*56*	*15-110*		
Surrogate: Terphenyl-d14	*1270*		µg/kg dry		*1790*		*71*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1170*		µg/kg dry		*1790*		*65*	*15-110*		
Matrix Spike Dup (9010276-MSD1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1450		µg/kg dry	177	1790	BRL	81	40-140	9	30
Benzo (b) fluoranthene	1500		µg/kg dry	177	1790	BRL	84	40-140	9	30
Benzo (k) fluoranthene	1460		µg/kg dry	177	1790	BRL	82	40-140	9	30
4-Chloro-3-methylphenol	1340		µg/kg dry	177	1790	BRL	75	30-130	9	30
2-Chlorophenol	1340		µg/kg dry	177	1790	BRL	75	30-130	7	30
Chrysene	1660		µg/kg dry	177	1790	BRL	93	40-140	9	30
1,4-Dichlorobenzene	1250		µg/kg dry	177	1790	BRL	70	40-140	6	30
Indeno (1,2,3-cd) pyrene	1490		µg/kg dry	177	1790	BRL	83	40-140	7	30
Naphthalene	1320		µg/kg dry	177	1790	BRL	74	40-140	7	30
4-Nitrophenol	1560		µg/kg dry	707	1790	BRL	87	30-130	18	30
N-Nitrosodi-n-propylamine	1240		µg/kg dry	177	1790	BRL	69	40-140	6	30
Pentachlorophenol	1430		µg/kg dry	177	1790	BRL	80	30-130	12	30
Phenol	1340		µg/kg dry	177	1790	BRL	75	30-130	7	30
Pyrene	1710		µg/kg dry	177	1790	BRL	96	40-140	8	30
1,2,4-Trichlorobenzene	1270		µg/kg dry	177	1790	BRL	71	40-140	8	30
Surrogate: 2-Fluorobiphenyl	*1230*		µg/kg dry		*1790*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*1180*		µg/kg dry		*1790*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*1200*		µg/kg dry		*1790*		*67*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg dry		*1790*		*61*	*15-110*		
Surrogate: Terphenyl-d14	*1390*		µg/kg dry		*1790*		*78*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1280*		µg/kg dry		*1790*		*72*	*15-110*		
Batch 9010589 - SW846 3535										
Blank (9010589-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	0.200						
Aniline	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
Blank (9010589-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.200						
Benzo (a) pyrene	BRL		µg/l	0.200						
Benzo (b) fluoranthene	BRL		µg/l	0.200						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.200						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3'-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	1.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	3.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
Blank (9010589-BLK1)										
Prepared & Analyzed: 12-Jan-09										
2-Methylphenol	BRL		µg/l	5.00						
3 & 4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	5.00						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	5.00						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	5.00						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Pentachloronitrobenzene	BRL		µg/l	5.00						
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*107*		µg/l		*200*		*53*	*30-130*		
Surrogate: 2-Fluorophenol	*119*		µg/l		*200*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*102*		µg/l		*200*		*51*	*30-130*		
Surrogate: Phenol-d5	*108*		µg/l		*200*		*54*	*15-110*		
Surrogate: Terphenyl-dl4	*125*		µg/l		*200*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*110*		µg/l		*200*		*55*	*15-110*		
LCS (9010589-BS1)										
Prepared & Analyzed: 12-Jan-09										
Acenaphthene	168		µg/l	5.00	200		84	40-140		
Acenaphthylene	163		µg/l	0.200	200		82	40-140		
Aniline	101		µg/l	5.00	200		50	40-140		
Anthracene	158		µg/l	5.00	200		79	40-140		
Atrazine	116		µg/l	5.00	200		58	40-140		
Azobenzene/Diphenyldiazine	170		µg/l	5.00	200		85	40-140		
Benzidine	5.68	QC2	µg/l	5.00	200		3	40-140		
Benzo (a) anthracene	190		µg/l	0.200	200		95	40-140		
Benzo (a) pyrene	162		µg/l	0.200	200		81	40-140		
Benzo (b) fluoranthene	163		µg/l	0.200	200		81	40-140		
Benzo (g,h,i) perylene	184		µg/l	5.00	200		92	40-140		
Benzo (k) fluoranthene	155		µg/l	0.200	200		78	40-140		
Benzoic acid	129		µg/l	5.00	200		64	30-130		
Benzyl alcohol	146		µg/l	5.00	200		73	40-140		
Bis(2-chloroethoxy)methane	176		µg/l	5.00	200		88	40-140		
Bis(2-chloroethyl)ether	195		µg/l	5.00	200		97	40-140		
Bis(2-chloroisopropyl)ether	188		µg/l	5.00	200		94	40-140		
Bis(2-ethylhexyl)phthalate	229		µg/l	2.00	200		115	40-140		
4-Bromophenyl phenyl ether	168		µg/l	5.00	200		84	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
LCS (9010589-BS1)										
Prepared & Analyzed: 12-Jan-09										
Butyl benzyl phthalate	221		µg/l	5.00	200		111	40-140		
Carbazole	157		µg/l	5.00	200		79	40-140		
4-Chloro-3-methylphenol	161		µg/l	5.00	200		80	30-130		
4-Chloroaniline	116		µg/l	5.00	200		58	40-140		
2-Chloronaphthalene	153		µg/l	5.00	200		76	40-140		
2-Chlorophenol	156		µg/l	5.00	200		78	30-130		
4-Chlorophenyl phenyl ether	186		µg/l	5.00	200		93	40-140		
Chrysene	200		µg/l	5.00	200		100	40-140		
Dibenzo (a,h) anthracene	181		µg/l	5.00	200		91	40-140		
Dibenzofuran	157		µg/l	5.00	200		78	40-140		
1,2-Dichlorobenzene	146		µg/l	5.00	200		73	40-140		
1,3-Dichlorobenzene	147		µg/l	5.00	200		74	40-140		
1,4-Dichlorobenzene	149		µg/l	5.00	200		74	40-140		
3,3'-Dichlorobenzidine	155		µg/l	5.00	200		78	40-140		
2,4-Dichlorophenol	157		µg/l	5.00	200		78	30-130		
Diethyl phthalate	186		µg/l	5.00	200		93	40-140		
Dimethyl phthalate	189		µg/l	5.00	200		95	40-140		
2,4-Dimethylphenol	157		µg/l	5.00	200		79	30-130		
Di-n-butyl phthalate	184		µg/l	5.00	200		92	40-140		
4,6-Dinitro-2-methylphenol	180		µg/l	5.00	200		90	30-130		
2,4-Dinitrophenol	163		µg/l	5.00	200		82	30-130		
2,4-Dinitrotoluene	175		µg/l	5.00	200		87	40-140		
2,6-Dinitrotoluene	163		µg/l	5.00	200		82	40-140		
Di-n-octyl phthalate	177		µg/l	5.00	200		88	40-140		
Fluoranthene	156		µg/l	5.00	200		78	40-140		
Fluorene	158		µg/l	5.00	200		79	40-140		
Hexachlorobenzene	140		µg/l	1.00	200		70	40-140		
Hexachlorobutadiene	143		µg/l	5.00	200		71	40-140		
Hexachlorocyclopentadiene	125		µg/l	5.00	200		63	40-140		
Hexachloroethane	152		µg/l	3.00	200		76	40-140		
Indeno (1,2,3-cd) pyrene	193		µg/l	5.00	200		96	40-140		
Isophorone	149		µg/l	5.00	200		75	40-140		
2-Methylnaphthalene	162		µg/l	5.00	200		81	40-140		
2-Methylphenol	148		µg/l	5.00	200		74	40-140		
3 & 4-Methylphenol	173		µg/l	10.0	200		86	40-130		
Naphthalene	156		µg/l	5.00	200		78	40-140		
2-Nitroaniline	170		µg/l	5.00	200		85	40-140		
3-Nitroaniline	122		µg/l	5.00	200		61	40-140		
4-Nitroaniline	159		µg/l	5.00	200		80	40-140		
Nitrobenzene	151		µg/l	5.00	200		75	40-140		
2-Nitrophenol	156		µg/l	5.00	200		78	30-130		
4-Nitrophenol	172		µg/l	5.00	200		86	30-130		
N-Nitrosodimethylamine	188		µg/l	5.00	200		94	40-140		
N-Nitrosodi-n-propylamine	169		µg/l	5.00	200		84	40-140		
N-Nitrosodiphenylamine	181		µg/l	5.00	200		91	40-140		
Pentachlorophenol	156		µg/l	5.00	200		78	30-130		
Phenanthrene	161		µg/l	5.00	200		81	40-140		
Phenol	155		µg/l	5.00	200		77	30-130		
Pyrene	195		µg/l	5.00	200		97	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
LCS (9010589-BS1)										
Prepared & Analyzed: 12-Jan-09										
Pyridine	58.1	QC2	µg/l	5.00	200		29	40-140		
1-Methylnaphthalene	166		µg/l	5.00	200		83	40-140		
1,2,4-Trichlorobenzene	144		µg/l	5.00	200		72	40-140		
2,4,5-Trichlorophenol	156		µg/l	5.00	200		78	30-130		
2,4,6-Trichlorophenol	152		µg/l	5.00	200		76	30-130		
Pentachloronitrobenzene	156		µg/l	5.00	200		78	40-140		
1,2,4,5-Tetrachlorobenzene	145		µg/l	5.00	200		72	40-140		
Surrogate: 2-Fluorobiphenyl	*134*		µg/l		*200*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*126*		µg/l		*200*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*136*		µg/l		*200*		*68*	*30-130*		
Surrogate: Phenol-d5	*116*		µg/l		*200*		*58*	*15-110*		
Surrogate: Terphenyl-dl4	*145*		µg/l		*200*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*130*		µg/l		*200*		*65*	*15-110*		
Duplicate (9010589-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										
Acenaphthene	BRL		µg/l	5.00		BRL				50
Acenaphthylene	BRL		µg/l	0.200		BRL				50
Aniline	BRL		µg/l	5.00		BRL				50
Anthracene	BRL		µg/l	5.00		BRL				50
Atrazine	BRL		µg/l	5.00		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00		BRL				50
Benzidine	BRL		µg/l	5.00		BRL				50
Benzo (a) anthracene	BRL		µg/l	0.200		BRL				50
Benzo (a) pyrene	BRL		µg/l	0.200		BRL				50
Benzo (b) fluoranthene	BRL		µg/l	0.200		BRL				50
Benzo (g,h,i) perylene	BRL		µg/l	5.00		BRL				50
Benzo (k) fluoranthene	BRL		µg/l	0.200		BRL				50
Benzoic acid	BRL		µg/l	5.00		BRL				50
Benzyl alcohol	BRL		µg/l	5.00		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/l	5.00		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/l	5.00		BRL				50
Butyl benzyl phthalate	BRL		µg/l	5.00		BRL				50
Carbazole	BRL		µg/l	5.00		BRL				50
4-Chloro-3-methylphenol	BRL		µg/l	5.00		BRL				50
4-Chloroaniline	BRL		µg/l	5.00		BRL				50
2-Chloronaphthalene	BRL		µg/l	5.00		BRL				50
2-Chlorophenol	BRL		µg/l	5.00		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00		BRL				50
Chrysene	BRL		µg/l	5.00		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/l	5.00		BRL				50
Dibenzofuran	BRL		µg/l	5.00		BRL				50
1,2-Dichlorobenzene	BRL		µg/l	5.00		BRL				50
1,3-Dichlorobenzene	BRL		µg/l	5.00		BRL				50
1,4-Dichlorobenzene	BRL		µg/l	5.00		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/l	5.00		BRL				50
2,4-Dichlorophenol	BRL		µg/l	5.00		BRL				50
Diethyl phthalate	BRL		µg/l	5.00		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
Duplicate (9010589-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										
Dimethyl phthalate	BRL		µg/l	5.00		BRL				50
2,4-Dimethylphenol	BRL		µg/l	5.00		BRL				50
Di-n-butyl phthalate	BRL		µg/l	5.00		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00		BRL				50
2,4-Dinitrophenol	BRL		µg/l	5.00		BRL				50
2,4-Dinitrotoluene	BRL		µg/l	5.00		BRL				50
2,6-Dinitrotoluene	BRL		µg/l	5.00		BRL				50
Di-n-octyl phthalate	BRL		µg/l	5.00		BRL				50
Fluoranthene	BRL		µg/l	5.00		BRL				50
Fluorene	BRL		µg/l	5.00		BRL				50
Hexachlorobenzene	BRL		µg/l	1.00		BRL				50
Hexachlorobutadiene	BRL		µg/l	5.00		BRL				50
Hexachlorocyclopentadiene	BRL		µg/l	5.00		BRL				50
Hexachloroethane	BRL		µg/l	3.00		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00		BRL				50
Isophorone	BRL		µg/l	5.00		BRL				50
2-Methylnaphthalene	BRL		µg/l	5.00		BRL				50
2-Methylphenol	BRL		µg/l	5.00		BRL				50
3 & 4-Methylphenol	BRL		µg/l	10.0		BRL				50
Naphthalene	BRL		µg/l	5.00		BRL				50
2-Nitroaniline	BRL		µg/l	5.00		BRL				50
3-Nitroaniline	BRL		µg/l	5.00		BRL				50
4-Nitroaniline	BRL		µg/l	5.00		BRL				50
Nitrobenzene	BRL		µg/l	5.00		BRL				50
2-Nitrophenol	BRL		µg/l	5.00		BRL				50
4-Nitrophenol	BRL		µg/l	5.00		BRL				50
N-Nitrosodimethylamine	BRL		µg/l	5.00		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00		BRL				50
N-Nitrosodiphenylamine	BRL		µg/l	5.00		BRL				50
Pentachlorophenol	BRL		µg/l	5.00		BRL				50
Phenanthrene	BRL		µg/l	5.00		BRL				50
Phenol	BRL		µg/l	5.00		BRL				50
Pyrene	BRL		µg/l	5.00		BRL				50
Pyridine	BRL		µg/l	5.00		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/l	5.00		BRL				50
1-Methylnaphthalene	BRL		µg/l	5.00		BRL				50
2,4,5-Trichlorophenol	BRL		µg/l	5.00		BRL				50
2,4,6-Trichlorophenol	BRL		µg/l	5.00		BRL				50
Pentachloronitrobenzene	BRL		µg/l	5.00		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00		BRL				50
Surrogate: 2-Fluorobiphenyl	*129*		µg/l		*200*		*64*	*30-130*		
Surrogate: 2-Fluorophenol	*149*		µg/l		*200*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*126*		µg/l		*200*		*63*	*30-130*		
Surrogate: Phenol-d5	*130*		µg/l		*200*		*65*	*15-110*		
Surrogate: Terphenyl-dl4	*153*		µg/l		*200*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*135*		µg/l		*200*		*67*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010280 - SW846 3550B										
Blank (9010280-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
LCS (9010280-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	232		µg/kg wet	20.0	250		93	40-140		
PCB 1260	246		µg/kg wet	20.0	250		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (9010280-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	242		µg/kg wet	20.0	250		97	40-140	4	30
PCB 1260	252		µg/kg wet	20.0	250		101	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.3*		µg/kg wet		*20.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Duplicate (9010280-DUP1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg dry	22.0		BRL				40
PCB 1221	BRL		µg/kg dry	22.0		BRL				40
PCB 1232	BRL		µg/kg dry	22.0		BRL				40
PCB 1242	BRL		µg/kg dry	22.0		BRL				40
PCB 1248	BRL		µg/kg dry	22.0		BRL				40
PCB 1254	BRL		µg/kg dry	22.0		BRL				40
PCB 1260	BRL		µg/kg dry	22.0		BRL				40
PCB 1262	BRL		µg/kg dry	22.0		BRL				40
PCB 1268	BRL		µg/kg dry	22.0		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg dry		*22.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.3*		µg/kg dry		*22.0*		*96*	*30-150*		
Matrix Spike (9010280-MS1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	267		µg/kg dry	21.5	269	BRL	99	40-140		
PCB 1260	282		µg/kg dry	21.5	269	BRL	105	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg dry		*21.5*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.7*		µg/kg dry		*21.5*		*91*	*30-150*		
Matrix Spike Dup (9010280-MSD1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	246		µg/kg dry	21.5	269	BRL	92	40-140	8	50
PCB 1260	294		µg/kg dry	21.5	269	BRL	109	40-140	4	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg dry		*21.5*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.2*		µg/kg dry		*21.5*		*84*	*30-150*		
Batch 9010281 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
Blank (9010281-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
alpha-BHC	BRL		µg/kg wet	10.0						
alpha-BHC [2C]	BRL		µg/kg wet	10.0						
beta-BHC	BRL		µg/kg wet	10.0						
beta-BHC [2C]	BRL		µg/kg wet	10.0						
delta-BHC	BRL		µg/kg wet	10.0						
delta-BHC [2C]	BRL		µg/kg wet	10.0						
gamma-BHC (Lindane)	BRL		µg/kg wet	10.0						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	10.0						
Heptachlor	BRL		µg/kg wet	10.0						
Heptachlor [2C]	BRL		µg/kg wet	10.0						
Aldrin	BRL		µg/kg wet	10.0						
Aldrin [2C]	BRL		µg/kg wet	10.0						
Heptachlor epoxide	BRL		µg/kg wet	10.0						
Heptachlor epoxide [2C]	BRL		µg/kg wet	10.0						
Endosulfan I	BRL		µg/kg wet	10.0						
Endosulfan I [2C]	BRL		µg/kg wet	10.0						
Dieldrin	BRL		µg/kg wet	10.0						
Dieldrin [2C]	BRL		µg/kg wet	10.0						
4,4'-DDE (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	10.0						
Endrin	BRL		µg/kg wet	10.0						
Endrin [2C]	BRL		µg/kg wet	10.0						
Endosulfan II	BRL		µg/kg wet	10.0						
Endosulfan II [2C]	BRL		µg/kg wet	10.0						
4,4'-DDD (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	10.0						
Endosulfan sulfate	BRL		µg/kg wet	10.0						
Endosulfan sulfate [2C]	BRL		µg/kg wet	10.0						
4,4'-DDT (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	10.0						
Methoxychlor	BRL		µg/kg wet	10.0						
Methoxychlor [2C]	BRL		µg/kg wet	10.0						
Endrin ketone	BRL		µg/kg wet	10.0						
Endrin ketone [2C]	BRL		µg/kg wet	10.0						
Endrin aldehyde	BRL		µg/kg wet	10.0						
Endrin aldehyde [2C]	BRL		µg/kg wet	10.0						
alpha-Chlordane	BRL		µg/kg wet	10.0						
alpha-Chlordane [2C]	BRL		µg/kg wet	10.0						
gamma-Chlordane	BRL		µg/kg wet	10.0						
gamma-Chlordane [2C]	BRL		µg/kg wet	10.0						
Toxaphene	BRL		µg/kg wet	50.1						
Toxaphene [2C]	BRL		µg/kg wet	50.1						
Chlordane	BRL		µg/kg wet	50.1						
Chlordane [2C]	BRL		µg/kg wet	50.1						
Alachlor	BRL		µg/kg wet	20.0						
Alachlor [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.8*		µg/kg wet		*20.0*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.3*		µg/kg wet		*20.0*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.1*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.7*		µg/kg wet		*20.0*		*79*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
LCS (9010281-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
alpha-BHC	15.5		µg/kg wet	10.0	20.0		77	40-140		
alpha-BHC [2C]	15.5		µg/kg wet	10.0	20.0		77	40-140		
beta-BHC	18.0		µg/kg wet	10.0	20.0		90	40-140		
beta-BHC [2C]	16.2		µg/kg wet	10.0	20.0		81	40-140		
delta-BHC	15.4		µg/kg wet	10.0	20.0		77	40-140		
delta-BHC [2C]	13.9		µg/kg wet	10.0	20.0		69	40-140		
gamma-BHC (Lindane)	16.2		µg/kg wet	10.0	20.0		81	50-120		
gamma-BHC (Lindane) [2C]	15.0		µg/kg wet	10.0	20.0		75	50-120		
Heptachlor	16.0		µg/kg wet	10.0	20.0		80	40-140		
Heptachlor [2C]	16.2		µg/kg wet	10.0	20.0		81	40-140		
Aldrin	15.4		µg/kg wet	10.0	20.0		77	40-140		
Aldrin [2C]	14.9		µg/kg wet	10.0	20.0		74	40-140		
Heptachlor epoxide	15.8		µg/kg wet	10.0	20.0		79	50-150		
Heptachlor epoxide [2C]	14.8		µg/kg wet	10.0	20.0		74	50-150		
Endosulfan I	15.4		µg/kg wet	10.0	20.0		77	40-140		
Endosulfan I [2C]	14.6		µg/kg wet	10.0	20.0		73	40-140		
Dieldrin	16.0		µg/kg wet	10.0	20.0		80	30-130		
Dieldrin [2C]	14.4		µg/kg wet	10.0	20.0		72	30-130		
4,4'-DDE (p,p')	16.2		µg/kg wet	10.0	20.0		81	50-150		
4,4'-DDE (p,p') [2C]	14.5		µg/kg wet	10.0	20.0		72	50-150		
Endrin	15.9		µg/kg wet	10.0	20.0		80	50-120		
Endrin [2C]	15.0		µg/kg wet	10.0	20.0		75	50-120		
Endosulfan II	16.1		µg/kg wet	10.0	20.0		81	40-140		
Endosulfan II [2C]	15.0		µg/kg wet	10.0	20.0		75	40-140		
4,4'-DDD (p,p')	16.2		µg/kg wet	10.0	20.0		81	40-140		
4,4'-DDD (p,p') [2C]	14.4		µg/kg wet	10.0	20.0		72	40-140		
Endosulfan sulfate	15.2		µg/kg wet	10.0	20.0		76	50-120		
Endosulfan sulfate [2C]	14.0		µg/kg wet	10.0	20.0		70	50-120		
4,4'-DDT (p,p')	15.7		µg/kg wet	10.0	20.0		79	40-140		
4,4'-DDT (p,p') [2C]	14.0		µg/kg wet	10.0	20.0		70	40-140		
Methoxychlor	18.0		µg/kg wet	10.0	20.0		90	40-140		
Methoxychlor [2C]	16.1		µg/kg wet	10.0	20.0		81	40-140		
Endrin ketone	15.6		µg/kg wet	10.0	20.0		78	40-140		
Endrin ketone [2C]	14.6		µg/kg wet	10.0	20.0		73	40-140		
Endrin aldehyde	16.8		µg/kg wet	10.0	20.0		84	40-140		
Endrin aldehyde [2C]	13.5		µg/kg wet	10.0	20.0		68	40-140		
alpha-Chlordane	16.7		µg/kg wet	10.0	20.0		84	40-140		
alpha-Chlordane [2C]	14.0		µg/kg wet	10.0	20.0		70	40-140		
gamma-Chlordane	16.2		µg/kg wet	10.0	20.0		81	30-130		
gamma-Chlordane [2C]	14.7		µg/kg wet	10.0	20.0		73	30-130		
Alachlor	16.2		µg/kg wet	20.0	20.0		81	40-140		
Alachlor [2C]	16.6		µg/kg wet	20.0	20.0		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.4*		µg/kg wet		*20.0*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.8*		µg/kg wet		*20.0*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.3*		µg/kg wet		*20.0*		*72*	*30-150*		
LCS Dup (9010281-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
alpha-BHC	15.9		µg/kg wet	10.0	20.0		80	40-140	3	30
alpha-BHC [2C]	15.0		µg/kg wet	10.0	20.0		75	40-140	3	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
LCS Dup (9010281-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
beta-BHC	16.9		µg/kg wet	10.0	20.0		84	40-140	6	30
beta-BHC [2C]	16.1		µg/kg wet	10.0	20.0		80	40-140	1	30
delta-BHC	15.0		µg/kg wet	10.0	20.0		75	40-140	2	30
delta-BHC [2C]	14.1		µg/kg wet	10.0	20.0		70	40-140	1	30
gamma-BHC (Lindane)	16.2		µg/kg wet	10.0	20.0		81	50-120	0.01	30
gamma-BHC (Lindane) [2C]	15.1		µg/kg wet	10.0	20.0		75	50-120	0.7	30
Heptachlor	15.9		µg/kg wet	10.0	20.0		80	40-140	0.6	30
Heptachlor [2C]	15.6		µg/kg wet	10.0	20.0		78	40-140	4	30
Aldrin	15.5		µg/kg wet	10.0	20.0		77	40-140	0.5	30
Aldrin [2C]	15.6		µg/kg wet	10.0	20.0		78	40-140	5	30
Heptachlor epoxide	15.9		µg/kg wet	10.0	20.0		79	50-150	0.3	30
Heptachlor epoxide [2C]	15.6		µg/kg wet	10.0	20.0		78	50-150	6	30
Endosulfan I	16.0		µg/kg wet	10.0	20.0		80	40-140	4	30
Endosulfan I [2C]	15.7		µg/kg wet	10.0	20.0		79	40-140	8	30
Dieldrin	15.6		µg/kg wet	10.0	20.0		78	30-130	2	30
Dieldrin [2C]	15.5		µg/kg wet	10.0	20.0		78	30-130	7	30
4,4'-DDE (p,p')	16.0		µg/kg wet	10.0	20.0		80	50-150	1	30
4,4'-DDE (p,p') [2C]	15.9		µg/kg wet	10.0	20.0		79	50-150	9	30
Endrin	15.9		µg/kg wet	10.0	20.0		80	50-120	0.1	30
Endrin [2C]	15.8		µg/kg wet	10.0	20.0		79	50-120	5	30
Endosulfan II	15.7		µg/kg wet	10.0	20.0		79	40-140	2	30
Endosulfan II [2C]	16.3		µg/kg wet	10.0	20.0		81	40-140	8	30
4,4'-DDD (p,p')	15.6		µg/kg wet	10.0	20.0		78	40-140	4	30
4,4'-DDD (p,p') [2C]	16.0		µg/kg wet	10.0	20.0		80	40-140	10	30
Endosulfan sulfate	14.7		µg/kg wet	10.0	20.0		73	50-120	3	30
Endosulfan sulfate [2C]	15.9		µg/kg wet	10.0	20.0		80	50-120	13	30
4,4'-DDT (p,p')	15.2		µg/kg wet	10.0	20.0		76	40-140	3	30
4,4'-DDT (p,p') [2C]	16.4		µg/kg wet	10.0	20.0		82	40-140	16	30
Methoxychlor	15.7		µg/kg wet	10.0	20.0		79	40-140	13	30
Methoxychlor [2C]	17.4		µg/kg wet	10.0	20.0		87	40-140	8	30
Endrin ketone	14.9		µg/kg wet	10.0	20.0		74	40-140	5	30
Endrin ketone [2C]	16.7		µg/kg wet	10.0	20.0		84	40-140	14	30
Endrin aldehyde	15.7		µg/kg wet	10.0	20.0		78	40-140	7	30
Endrin aldehyde [2C]	15.2		µg/kg wet	10.0	20.0		76	40-140	12	30
alpha-Chlordane	16.3		µg/kg wet	10.0	20.0		82	40-140	3	30
alpha-Chlordane [2C]	15.5		µg/kg wet	10.0	20.0		78	40-140	10	30
gamma-Chlordane	16.5		µg/kg wet	10.0	20.0		82	30-130	2	30
gamma-Chlordane [2C]	15.6		µg/kg wet	10.0	20.0		78	30-130	6	30
Alachlor	16.7		µg/kg wet	20.0	20.0		83	40-140	3	30
Alachlor [2C]	18.6		µg/kg wet	20.0	20.0		93	40-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.7*		µg/kg wet		*20.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Duplicate (9010281-DUP1) **Source: SA89457-01**										
Prepared: 07-Jan-09 Analyzed: 14-Jan-09										
alpha-BHC	BRL		µg/kg dry	15.8		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	15.8		BRL				30
beta-BHC	BRL		µg/kg dry	15.8		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	15.8		BRL				30

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
Duplicate (9010281-DUP1) **Source: SA89457-01**										
Prepared: 07-Jan-09 Analyzed: 14-Jan-09										
delta-BHC	BRL		µg/kg dry	15.8		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	15.8		BRL				30
gamma-BHC (Lindane)	BRL		µg/kg dry	15.8		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	15.8		BRL				30
Heptachlor	BRL		µg/kg dry	15.8		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	15.8		BRL				30
Aldrin	BRL		µg/kg dry	15.8		BRL				30
Aldrin [2C]	BRL		µg/kg dry	15.8		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	15.8		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	15.8		BRL				30
Endosulfan I	BRL		µg/kg dry	15.8		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	15.8		BRL				30
Dieldrin	BRL		µg/kg dry	15.8		BRL				30
Dieldrin [2C]	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDE (p,p')	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/kg dry	15.8		BRL				30
Endrin	BRL		µg/kg dry	15.8		BRL				30
Endrin [2C]	BRL		µg/kg dry	15.8		BRL				30
Endosulfan II	BRL		µg/kg dry	15.8		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	15.8		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	15.8		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDT (p,p')	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDT (p,p') [2C]	BRL		µg/kg dry	15.8		BRL				30
Methoxychlor	BRL		µg/kg dry	15.8		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	15.8		BRL				30
Endrin ketone	BRL		µg/kg dry	15.8		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	15.8		BRL				30
Endrin aldehyde	BRL		µg/kg dry	15.8		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	15.8		BRL				30
alpha-Chlordane	BRL		µg/kg dry	15.8		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	15.8		BRL				30
gamma-Chlordane	BRL		µg/kg dry	15.8		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	15.8		BRL				30
Toxaphene	BRL		µg/kg dry	79.0		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	79.0		BRL				30
Chlordane	BRL		µg/kg dry	79.0		BRL				30
Chlordane [2C]	BRL		µg/kg dry	79.0		BRL				30
Alachlor	BRL		µg/kg dry	31.6		BRL				30
Alachlor [2C]	BRL		µg/kg dry	31.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg dry		*31.6*		*58*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2:	*39.1*		µg/kg dry		*31.6*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.6*		µg/kg dry		*31.6*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*147*	SGC	µg/kg dry		*31.6*		*467*	*30-150*		
Batch 9010356 - SW846 3550B										
Blank (9010356-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
Blank (9010356-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*13.3*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.9*		µg/kg wet		*13.3*		*97*	*30-150*		
LCS (9010356-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	17.9		µg/kg wet	6.70	33.3		54	40-140		
2,4,5-T [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140		
2,4,5-TP (Silvex)	19.7		µg/kg wet	6.70	33.3		59	40-140		
2,4,5-TP (Silvex) [2C]	19.8		µg/kg wet	6.70	33.3		59	40-140		
2,4-D	18.0		µg/kg wet	6.70	33.3		54	40-140		
2,4-D [2C]	18.4		µg/kg wet	6.70	33.3		55	40-140		
2,4-DB	17.5		µg/kg wet	6.70	33.3		53	40-140		
2,4-DB [2C]	16.3		µg/kg wet	6.70	33.3		49	40-140		
Dalapon	20.2		µg/kg wet	6.70	33.3		61	40-140		
Dalapon [2C]	14.5		µg/kg wet	6.70	33.3		44	40-140		
Dicamba	20.5		µg/kg wet	6.70	33.3		62	40-140		
Dicamba [2C]	18.9		µg/kg wet	6.70	33.3		57	40-140		
Dichlorprop	20.7		µg/kg wet	6.70	33.3		62	40-140		
Dichlorprop [2C]	19.6		µg/kg wet	6.70	33.3		59	40-140		
Dinoseb	22.1		µg/kg wet	6.70	33.3		66	40-140		
Dinoseb [2C]	20.5		µg/kg wet	6.70	33.3		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.8*		µg/kg wet		*13.3*		*118*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*12.7*		µg/kg wet		*13.3*		*96*	*30-150*		
LCS (9010356-BS2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPA	6600		µg/kg wet	670	10000		66	40-140		
MCPA [2C]	8000		µg/kg wet	670	10000		80	40-140		
MCPB	7470		µg/kg wet	670	10000		75	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
LCS (9010356-BS2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPB [2C]	8000		µg/kg wet	670	10000		80	40-140		
MCPP	5930		µg/kg wet	670	10000		59	40-140		
MCPP [2C]	7800		µg/kg wet	670	10000		78	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.5*		µg/kg wet		*13.3*		*124*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.5*		µg/kg wet		*13.3*		*109*	*30-150*		
LCS Dup (9010356-BSD1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	20.0		µg/kg wet	6.70	33.3		60	40-140	11	25
2,4,5-T [2C]	19.6		µg/kg wet	6.70	33.3		59	40-140	15	25
2,4,5-TP (Silvex)	21.5		µg/kg wet	6.70	33.3		64	40-140	8	25
2,4,5-TP (Silvex) [2C]	22.9		µg/kg wet	6.70	33.3		69	40-140	15	25
2,4-D	17.1		µg/kg wet	6.70	33.3		51	40-140	5	25
2,4-D [2C]	17.5		µg/kg wet	6.70	33.3		52	40-140	5	25
2,4-DB	19.1		µg/kg wet	6.70	33.3		57	40-140	9	25
2,4-DB [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140	10	25
Dalapon	21.3		µg/kg wet	6.70	33.3		64	40-140	5	25
Dalapon [2C]	18.9	QR2	µg/kg wet	6.70	33.3		57	40-140	26	25
Dicamba	22.3		µg/kg wet	6.70	33.3		67	40-140	8	25
Dicamba [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	11	25
Dichlorprop	23.7		µg/kg wet	6.70	33.3		71	40-140	13	25
Dichlorprop [2C]	20.8		µg/kg wet	6.70	33.3		62	40-140	6	25
Dinoseb	24.5		µg/kg wet	6.70	33.3		73	40-140	10	25
Dinoseb [2C]	23.5		µg/kg wet	6.70	33.3		71	40-140	14	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg wet		*13.3*		*134*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.7*		µg/kg wet		*13.3*		*110*	*30-150*		
LCS Dup (9010356-BSD2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPA	7730		µg/kg wet	670	10000		77	40-140	16	25
MCPA [2C]	7400		µg/kg wet	670	10000		74	40-140	8	25
MCPB	8130		µg/kg wet	670	10000		81	40-140	9	25
MCPB [2C]	8070		µg/kg wet	670	10000		81	40-140	0.8	25
MCPP	6000		µg/kg wet	670	10000		60	40-140	1	25
MCPP [2C]	7200		µg/kg wet	670	10000		72	40-140	8	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*13.3*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*13.2*		µg/kg wet		*13.3*		*99*	*30-150*		
Duplicate (9010356-DUP1) **Source: SA89497-02**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
Duplicate (9010356-DUP1) **Source: SA89497-02**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg dry		*18.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	*15.8*		µg/kg dry		*18.7*		*85*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010279 - SW846 3550B										
Blank (9010279-BLK1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.98*		mg/kg wet		*3.33*		*90*	*50-150*		
LCS (9010279-BS1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
C9-C36 Aliphatic Hydrocarbons	79.8		mg/kg wet	13.3	93.3		86	60-120		
Surrogate: 1-Chlorooctadecane	*2.51*		mg/kg wet		*3.33*		*75*	*50-150*		
Duplicate (9010279-DUP1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Gasoline	BRL		mg/kg dry	14.2		BRL				50
Fuel Oil #2	BRL		mg/kg dry	14.2		BRL				50
Fuel Oil #4	BRL		mg/kg dry	14.2		BRL				50
Fuel Oil #6	BRL		mg/kg dry	14.2		BRL				50
Motor Oil	BRL		mg/kg dry	14.2		BRL				50
Aviation Fuel	BRL		mg/kg dry	14.2		BRL				50
Unidentified	BRL		mg/kg dry	14.2		BRL				50
Other Oil	BRL		mg/kg dry	14.2		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	14.2		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	14.2		BRL				50
Surrogate: 1-Chlorooctadecane	*1.62*		mg/kg dry		*1.78*		*91*	*50-150*		
Matrix Spike (9010279-MS1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
C9-C36 Aliphatic Hydrocarbons	77.1		mg/kg dry	14.2	99.4	BRL	78	50-150		
Surrogate: 1-Chlorooctadecane	*2.59*		mg/kg dry		*3.55*		*73*	*50-150*		
Matrix Spike Dup (9010279-MSD1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
C9-C36 Aliphatic Hydrocarbons	77.0		mg/kg dry	14.1	98.7	BRL	78	50-150	0.6	30
Surrogate: 1-Chlorooctadecane	*2.62*		mg/kg dry		*3.52*		*74*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010321 - SW846 3050B										
Blank (9010321-BLK1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Selenium	BRL		mg/kg wet	1.47						
Zinc	BRL		mg/kg wet	0.978						
Lead	BRL		mg/kg wet	1.47						
Thallium	BRL		mg/kg wet	2.93						
Sodium	BRL		mg/kg wet	24.5						
Nickel	BRL		mg/kg wet	0.978						
Antimony	BRL		mg/kg wet	2.93						
Vanadium	BRL		mg/kg wet	1.47						
Copper	BRL		mg/kg wet	0.978						
Cadmium	BRL		mg/kg wet	0.489						
Beryllium	BRL		mg/kg wet	0.489						
Silver	BRL		mg/kg wet	1.47						
Arsenic	BRL		mg/kg wet	1.47						
Chromium	BRL		mg/kg wet	0.978						
Barium	BRL		mg/kg wet	0.978						
Duplicate (9010321-DUP1)	**Source: SA87647-04**									
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Sodium	82.4	QR6	mg/kg dry	25.2		161			64	20
Thallium	0.897	J,QR8	mg/kg dry	3.02		1.37			42	20
Zinc	42.2		mg/kg dry	1.01		40.7			4	20
Selenium	2.13	QR8	mg/kg dry	1.51		2.96			32	20
Nickel	10.5		mg/kg dry	1.01		11.4			8	20
Antimony	BRL		mg/kg dry	3.02		BRL				20
Lead	38.3	QR6	mg/kg dry	1.51		27.3			34	20
Vanadium	23.7		mg/kg dry	1.51		28.7			19	20
Cadmium	0.287	J	mg/kg dry	0.504		0.314			9	20
Chromium	11.1		mg/kg dry	1.01		13.5			20	20
Copper	18.9	QR6	mg/kg dry	1.01		33.7			56	20
Silver	BRL		mg/kg dry	1.51		BRL				20
Arsenic	1.32	J,QR8	mg/kg dry	1.51		1.77			29	20
Beryllium	0.313	J	mg/kg dry	0.504		0.376			18	20
Barium	45.6		mg/kg dry	1.01		50.2			10	20
Matrix Spike (9010321-MS1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Sodium	799		mg/kg dry	24.6	614	145	106	75-125		
Antimony	46.1	QM8	mg/kg dry	2.95	123	BRL	38	75-125		
Nickel	143		mg/kg dry	0.983	123	22.1	99	75-125		
Zinc	223		mg/kg dry	0.983	123	99.7	100	75-125		
Vanadium	164		mg/kg dry	1.47	123	43.3	98	75-125		
Lead	257	QM7	mg/kg dry	1.47	123	281	-20	75-125		
Thallium	120		mg/kg dry	2.95	123	1.44	97	75-125		
Selenium	118		mg/kg dry	1.47	123	3.68	93	75-125		
Beryllium	111		mg/kg dry	0.491	123	0.921	90	75-125		
Copper	161		mg/kg dry	0.983	123	30.5	106	75-125		
Silver	116		mg/kg dry	1.47	123	BRL	94	75-125		
Chromium	149		mg/kg dry	0.983	123	31.1	96	75-125		
Arsenic	123		mg/kg dry	1.47	123	3.13	97	75-125		
Cadmium	118		mg/kg dry	0.491	123	0.535	95	75-125		
Barium	262		mg/kg dry	0.983	123	120	116	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010321 - SW846 3050B										
Matrix Spike (9010321-MS1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Matrix Spike Dup (9010321-MSD1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Thallium	112		mg/kg dry	2.76	115	1.44	96	75-125	7	20
Selenium	110		mg/kg dry	1.38	115	3.68	92	75-125	7	20
Lead	228	QM7	mg/kg dry	1.38	115	281	-46	75-125	12	20
Sodium	750		mg/kg dry	23.0	576	145	105	75-125	6	20
Nickel	134		mg/kg dry	0.921	115	22.1	97	75-125	7	20
Zinc	216		mg/kg dry	0.921	115	99.7	101	75-125	3	20
Antimony	44.0	QM8	mg/kg dry	2.76	115	BRL	38	75-125	5	20
Vanadium	154		mg/kg dry	1.38	115	43.3	96	75-125	6	20
Silver	108		mg/kg dry	1.38	115	BRL	94	75-125	6	20
Arsenic	115		mg/kg dry	1.38	115	3.13	97	75-125	6	20
Beryllium	104		mg/kg dry	0.461	115	0.921	89	75-125	7	20
Chromium	139		mg/kg dry	0.921	115	31.1	94	75-125	7	20
Cadmium	110		mg/kg dry	0.461	115	0.535	95	75-125	7	20
Copper	154		mg/kg dry	0.921	115	30.5	108	75-125	4	20
Barium	236		mg/kg dry	0.921	115	120	101	75-125	10	20
Post Spike (9010321-PS1)	**Source: SA89494-07**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Sodium	759		mg/kg dry	24.8	619	145	99	80-120		
Zinc	228		mg/kg dry	0.990	124	99.7	104	80-120		
Antimony	112		mg/kg dry	2.97	124	BRL	90	80-120		
Nickel	140		mg/kg dry	0.990	124	22.1	95	80-120		
Vanadium	158		mg/kg dry	1.49	124	43.3	93	80-120		
Selenium	123		mg/kg dry	1.49	124	3.68	96	80-120		
Thallium	122		mg/kg dry	2.97	124	1.44	97	80-120		
Chromium	146		mg/kg dry	0.990	124	31.1	93	80-120		
Copper	161		mg/kg dry	0.990	124	30.5	106	80-120		
Cadmium	118		mg/kg dry	0.495	124	0.535	95	80-120		
Beryllium	112		mg/kg dry	0.495	124	0.921	90	80-120		
Arsenic	127		mg/kg dry	1.49	124	3.13	100	80-120		
Silver	118		mg/kg dry	1.49	124	BRL	95	80-120		
Barium	236		mg/kg dry	0.990	124	120	93	80-120		
Reference (9010321-SRM1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Antimony	24.4		mg/kg wet	3.00	33.8		72	15-184		
Lead	43.5		mg/kg wet	1.50	43.1		101	78.8-120.9		
Selenium	139		mg/kg wet	1.50	143		97	76.6-123.1		
Zinc	312		mg/kg wet	1.00	297		105	79.5-120.7		
Thallium	63.6		mg/kg wet	3.00	60.6		105	78.2-122.3		
Nickel	67.5		mg/kg wet	1.00	67.1		101	77.6-123.1		
Sodium	509		mg/kg wet	25.0	511		100	73.7-126.5		
Vanadium	59.0		mg/kg wet	1.50	57.6		103	79.4-120.9		
Chromium	118		mg/kg wet	1.00	118		100	79.7-120.3		
Silver	15.2		mg/kg wet	1.50	15.1		101	66.4-133.6		
Beryllium	37.8		mg/kg wet	0.500	38.9		97	83.8-116.1		
Copper	93.5		mg/kg wet	1.00	87.1		107	80.5-118.4		
Cadmium	29.4		mg/kg wet	0.500	30.4		97	80.9-119.3		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010321 - SW846 3050B										
Reference (9010321-SRM1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Arsenic	53.4		mg/kg wet	1.50	52.1		102	77.6-123.1		
Barium	99.8		mg/kg wet	1.00	99.2		101	79.8-119.7		
Reference (9010321-SRM2)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Selenium	147		mg/kg wet	1.50	145		102	76.6-123.1		
Zinc	320		mg/kg wet	1.00	300		107	79.5-120.7		
Antimony	23.9		mg/kg wet	3.00	34.1		70	15-184		
Vanadium	63.6		mg/kg wet	1.50	58.2		109	79.4-120.9		
Sodium	530		mg/kg wet	25.0	516		103	73.7-126.5		
Thallium	68.0		mg/kg wet	3.00	61.2		111	78.2-122.3		
Lead	45.3		mg/kg wet	1.50	43.5		104	78.8-120.9		
Nickel	71.1		mg/kg wet	1.00	67.8		105	77.6-123.1		
Arsenic	56.1		mg/kg wet	1.50	52.6		107	77.6-123.1		
Silver	16.1		mg/kg wet	1.50	15.2		106	66.4-133.6		
Cadmium	30.9		mg/kg wet	0.500	30.7		101	80.9-119.3		
Chromium	126		mg/kg wet	1.00	119		106	79.7-120.3		
Beryllium	39.5		mg/kg wet	0.500	39.2		101	83.8-116.1		
Copper	97.0		mg/kg wet	1.00	88.0		110	80.5-118.4		
Barium	106		mg/kg wet	1.00	100		106	79.8-119.7		
Batch 9010322 - EPA200/SW7000 Series										
Blank (9010322-BLK1)										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	BRL		mg/kg wet	0.0274						
Duplicate (9010322-DUP1) **Source: SA87647-04**										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.0585		mg/kg dry	0.0303		0.0519			12	20
Matrix Spike (9010322-MS1) **Source: SA89494-07**										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.695	QM8	mg/kg dry	0.0306	0.425	0.159	126	75-125		
Matrix Spike Dup (9010322-MSD1) **Source: SA89494-07**										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.662		mg/kg dry	0.0300	0.417	0.159	121	75-125	5	20
Post Spike (9010322-PS1) **Source: SA89494-07**										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	0.657		mg/kg dry	0.0305	0.423	0.159	118	80-120		
Reference (9010322-SRM1)										
Prepared: 07-Jan-09 Analyzed: 12-Jan-09										
Mercury	2.66		mg/kg wet	0.0300	2.20		121	71.7-128.8		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010376 - EPA200/SW7000 Series										
Blank (9010376-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9010376-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Mercury	0.00420		mg/l	0.00020	0.00500		84	69.2-107		
Duplicate (9010376-DUP1) Source: SA89483-02										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9010376-MS1) Source: SA89482-02										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Mercury	0.00458		mg/l	0.00020	0.00500	BRL	92	57.8-123		
Matrix Spike Dup (9010376-MSD1) Source: SA89482-02										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Mercury	0.00393		mg/l	0.00020	0.00500	BRL	79	57.8-123	15	20
Post Spike (9010376-PS1) Source: SA89482-02										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Mercury	0.00422		mg/l	0.00020	0.00500	BRL	84	70-112		
Batch 9010494 - SW846 3010A										
Blank (9010494-BLK1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Nickel	BRL		mg/l	0.0050						
Zinc	0.0134	QB1	mg/l	0.0050						
Vanadium	BRL		mg/l	0.0050						
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Thallium	BRL		mg/l	0.0050						
Antimony	BRL		mg/l	0.0060						
Chromium	BRL		mg/l	0.0050						
Silver	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0075						
Beryllium	BRL		mg/l	0.0020						
Cadmium	BRL		mg/l	0.0025						
Arsenic	BRL		mg/l	0.0040						
Barium	BRL		mg/l	0.0050						
LCS (9010494-BS1)										
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Antimony	1.31		mg/l	0.0060	1.25		105	85-115		
Selenium	1.29		mg/l	0.0150	1.25		103	85-115		
Lead	1.37		mg/l	0.0075	1.25		109	85-115		
Nickel	1.28		mg/l	0.0050	1.25		102	85-115		
Thallium	1.28		mg/l	0.0050	1.25		102	85-115		
Vanadium	1.29		mg/l	0.0050	1.25		103	85-115		
Zinc	1.32		mg/l	0.0050	1.25		106	85-115		
Arsenic	1.28		mg/l	0.0040	1.25		102	85-115		
Chromium	1.31		mg/l	0.0050	1.25		105	85-115		
Silver	1.37		mg/l	0.0050	1.25		110	85-115		
Beryllium	1.25		mg/l	0.0020	1.25		100	85-115		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010494 - SW846 3010A										
LCS (9010494-BS1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Copper	1.48	QC1	mg/l	0.0075	1.25		118	85-115		
Cadmium	1.29		mg/l	0.0025	1.25		104	85-115		
Barium	1.17		mg/l	0.0050	1.25		94	85-115		
LCS Dup (9010494-BSD1)										
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Thallium	1.21		mg/l	0.0050	1.25		97	85-115	5	20
Zinc	1.25		mg/l	0.0050	1.25		100	85-115	5	20
Selenium	1.28		mg/l	0.0150	1.25		103	85-115	0.4	20
Nickel	1.27		mg/l	0.0050	1.25		102	85-115	0.2	20
Antimony	1.31		mg/l	0.0060	1.25		105	85-115	0.08	20
Vanadium	1.28		mg/l	0.0050	1.25		103	85-115	0.4	20
Lead	1.56	QC1	mg/l	0.0075	1.25		125	85-115	13	20
Beryllium	1.25		mg/l	0.0020	1.25		100	85-115	0.4	20
Cadmium	1.28		mg/l	0.0025	1.25		102	85-115	1	20
Arsenic	1.28		mg/l	0.0040	1.25		103	85-115	0.3	20
Copper	1.40		mg/l	0.0075	1.25		112	85-115	6	20
Silver	1.37		mg/l	0.0050	1.25		109	85-115	0.3	104
Chromium	1.30		mg/l	0.0050	1.25		104	85-115	1	20
Barium	1.44	QR6	mg/l	0.0050	1.25		115	85-115	21	20
Duplicate (9010494-DUP1)	**Source: SA89494-02**									
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Lead	0.366		mg/l	0.0075		0.379			3	20
Zinc	0.224		mg/l	0.0050		0.234			4	20
Nickel	0.0193		mg/l	0.0050		0.0207			7	20
Antimony	BRL		mg/l	0.0060		BRL				20
Thallium	BRL		mg/l	0.0050		BRL				20
Vanadium	BRL		mg/l	0.0050		BRL				20
Selenium	0.0066	J,QR8	mg/l	0.0150		0.0082			22	20
Beryllium	BRL		mg/l	0.0020		BRL				20
Cadmium	0.0084		mg/l	0.0025		0.0088			4	20
Copper	0.0339		mg/l	0.0075		0.0356			5	20
Arsenic	0.0088		mg/l	0.0040		0.0098			10	20
Silver	BRL		mg/l	0.0050		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Barium	0.484		mg/l	0.0050		0.506			4	20
Matrix Spike (9010494-MS1)	**Source: SA89494-02**									
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Nickel	1.26		mg/l	0.0050	1.25	0.0207	100	75-125		
Thallium	1.19		mg/l	0.0050	1.25	BRL	95	75-125		
Vanadium	1.28		mg/l	0.0050	1.25	BRL	102	75-125		
Selenium	1.27		mg/l	0.0150	1.25	0.0082	101	75-125		
Antimony	1.29		mg/l	0.0060	1.25	BRL	103	75-125		
Zinc	1.44		mg/l	0.0050	1.25	0.234	97	75-125		
Lead	1.70		mg/l	0.0075	1.25	0.379	106	75-125		
Cadmium	1.27		mg/l	0.0025	1.25	0.0088	101	75-125		
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	75-125		
Arsenic	1.27		mg/l	0.0040	1.25	0.0098	101	75-125		
Silver	1.36		mg/l	0.0050	1.25	BRL	109	75-125		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010494 - SW846 3010A										
Matrix Spike (9010494-MS1)	**Source: SA89494-02**									
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Chromium	1.30		mg/l	0.0050	1.25	BRL	104	75-125		
Copper	1.42		mg/l	0.0075	1.25	0.0356	110	75-125		
Barium	1.64		mg/l	0.0050	1.25	0.506	91	75-125		
Matrix Spike Dup (9010494-MSD1)	**Source: SA89494-02**									
Prepared: 09-Jan-09 Analyzed: 12-Jan-09										
Antimony	1.30		mg/l	0.0060	1.25	BRL	104	75-125	1	20
Thallium	1.20		mg/l	0.0050	1.25	BRL	96	75-125	1	20
Vanadium	1.29		mg/l	0.0050	1.25	BRL	103	75-125	0.7	20
Zinc	1.46		mg/l	0.0050	1.25	0.234	98	75-125	1	20
Nickel	1.27		mg/l	0.0050	1.25	0.0207	100	75-125	0.7	20
Selenium	1.27		mg/l	0.0150	1.25	0.0082	101	75-125	0.2	20
Lead	1.72		mg/l	0.0075	1.25	0.379	108	75-125	1	20
Arsenic	1.28		mg/l	0.0040	1.25	0.0098	102	75-125	1	20
Silver	1.37		mg/l	0.0050	1.25	BRL	109	75-125	0.7	20
Copper	1.42		mg/l	0.0075	1.25	0.0356	111	75-125	0.6	20
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	75-125	0.04	20
Cadmium	1.28		mg/l	0.0025	1.25	0.0088	102	75-125	0.7	20
Chromium	1.30		mg/l	0.0050	1.25	BRL	104	75-125	0.3	20
Barium	1.64		mg/l	0.0050	1.25	0.506	91	75-125	0.2	20
Post Spike (9010494-PS1)	**Source: SA89494-02**									
Prepared: 09-Jan-09 Analyzed: 10-Jan-09										
Thallium	1.20		mg/l	0.0050	1.25	BRL	96	75-125		
Vanadium	1.27		mg/l	0.0050	1.25	BRL	102	75-125		
Antimony	1.26		mg/l	0.0060	1.25	BRL	101	75-125		
Selenium	1.26		mg/l	0.0150	1.25	0.0082	100	75-125		
Zinc	1.46		mg/l	0.0050	1.25	0.234	98	75-125		
Lead	1.32		mg/l	0.0075	1.25	0.379	76	75-125		
Nickel	1.27		mg/l	0.0050	1.25	0.0207	100	75-125		
Copper	1.42		mg/l	0.0075	1.25	0.0356	111	75-125		
Beryllium	1.25		mg/l	0.0020	1.25	BRL	100	75-125		
Cadmium	1.27		mg/l	0.0025	1.25	0.0088	101	75-125		
Chromium	1.28		mg/l	0.0050	1.25	BRL	103	75-125		
Silver	1.28		mg/l	0.0050	1.25	BRL	103	75-125		
Arsenic	1.28		mg/l	0.0040	1.25	0.0098	101	75-125		
Barium	1.25	QC1	mg/l	0.0050	1.25	0.506	60	75-125		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010575 - SW846 3010A										
Blank (9010575-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Nickel	BRL		mg/l	0.0050						
Selenium	BRL		mg/l	0.0150						
Antimony	BRL		mg/l	0.0060						
Lead	BRL		mg/l	0.0075						
Zinc	BRL		mg/l	0.0240						
Vanadium	BRL		mg/l	0.0100						
Thallium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
Silver	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
Copper	BRL		mg/l	0.0050						
Beryllium	BRL		mg/l	0.0020						
Barium	BRL		mg/l	0.0050						
LCS (9010575-BS1)										
Prepared & Analyzed: 12-Jan-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
Nickel	1.26		mg/l	0.0050	1.25		101	85-115		
Antimony	1.19		mg/l	0.0060	1.25		95	85-115		
Zinc	1.27		mg/l	0.0240	1.25		102	85-115		
Selenium	1.21		mg/l	0.0150	1.25		97	85-115		
Thallium	1.20		mg/l	0.0050	1.25		96	85-115		
Vanadium	1.30		mg/l	0.0100	1.25		104	85-115		
Copper	1.33		mg/l	0.0050	1.25		106	85-115		
Chromium	1.30		mg/l	0.0050	1.25		104	85-115		
Beryllium	1.24		mg/l	0.0020	1.25		99	85-115		
Cadmium	1.27		mg/l	0.0025	1.25		102	85-115		
Silver	1.32		mg/l	0.0050	1.25		106	85-115		
Arsenic	1.23		mg/l	0.0040	1.25		99	85-115		
Barium	1.20		mg/l	0.0050	1.25		96	85-115		
LCS Dup (9010575-BSD1)										
Prepared & Analyzed: 12-Jan-09										
Vanadium	1.29		mg/l	0.0100	1.25		104	85-115	0.7	20
Zinc	1.26		mg/l	0.0240	1.25		101	85-115	0.9	20
Thallium	1.18		mg/l	0.0050	1.25		94	85-115	1	20
Nickel	1.24		mg/l	0.0050	1.25		100	85-115	1	20
Antimony	1.16		mg/l	0.0060	1.25		93	85-115	3	20
Selenium	1.20		mg/l	0.0150	1.25		96	85-115	0.5	20
Lead	1.22		mg/l	0.0075	1.25		97	85-115	1	20
Copper	1.31		mg/l	0.0050	1.25		105	85-115	1	20
Arsenic	1.22		mg/l	0.0040	1.25		98	85-115	0.9	20
Cadmium	1.25		mg/l	0.0025	1.25		100	85-115	1	20
Beryllium	1.22		mg/l	0.0020	1.25		98	85-115	1	20
Chromium	1.29		mg/l	0.0050	1.25		103	85-115	0.9	20
Silver	0.615	QC1, QR6	mg/l	0.0050	1.25		49	85-115	73	20
Barium	1.19		mg/l	0.0050	1.25		95	85-115	1	20
Duplicate (9010575-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										

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* Reportable Detection Limit BRL = Below Reporting Limit

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010575 - SW846 3010A										
Duplicate (9010575-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										
Thallium	BRL		mg/l	0.0050		BRL				20
Selenium	BRL		mg/l	0.0150		BRL				20
Zinc	0.0232	J	mg/l	0.0240		0.0206			12	20
Antimony	BRL		mg/l	0.0060		0.0092				20
Nickel	BRL		mg/l	0.0050		BRL				20
Vanadium	0.0074	J	mg/l	0.0100		0.0068			9	20
Lead	0.0054	J,QR8	mg/l	0.0075		0.0042			25	20
Chromium	0.0040	J	mg/l	0.0050		0.0037			8	20
Arsenic	BRL		mg/l	0.0040		BRL				20
Cadmium	0.0002	J	mg/l	0.0025		0.0004				20
Beryllium	BRL		mg/l	0.0020		BRL				20
Copper	BRL		mg/l	0.0050		BRL				20
Silver	BRL		mg/l	0.0050		BRL				20
Barium	0.109		mg/l	0.0050		0.128			15	20
Matrix Spike (9010575-MS1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										
Zinc	1.28		mg/l	0.0240	1.25	0.0156	101	75-125		
Vanadium	1.30		mg/l	0.0100	1.25	0.0050	103	75-125		
Thallium	1.21		mg/l	0.0050	1.25	BRL	97	75-125		
Selenium	1.19		mg/l	0.0150	1.25	BRL	95	75-125		
Lead	1.24		mg/l	0.0075	1.25	0.0126	98	75-125		
Nickel	1.26		mg/l	0.0050	1.25	BRL	101	75-125		
Antimony	1.19		mg/l	0.0060	1.25	BRL	95	75-125		
Silver	1.24		mg/l	0.0050	1.25	BRL	99	75-125		
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	75-125		
Chromium	1.29		mg/l	0.0050	1.25	BRL	104	75-125		
Cadmium	1.26		mg/l	0.0025	1.25	BRL	101	75-125		
Arsenic	1.23		mg/l	0.0040	1.25	BRL	98	75-125		
Copper	1.33		mg/l	0.0050	1.25	0.0054	106	75-125		
Barium	1.23		mg/l	0.0050	1.25	0.0270	96	75-125		
Matrix Spike Dup (9010575-MSD1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										
Antimony	1.19		mg/l	0.0060	1.25	BRL	95	75-125	0.3	20
Lead	1.24		mg/l	0.0075	1.25	0.0126	98	75-125	0.04	20
Selenium	1.20		mg/l	0.0150	1.25	BRL	96	75-125	0.5	20
Vanadium	1.30		mg/l	0.0100	1.25	0.0050	103	75-125	0.2	20
Nickel	1.26		mg/l	0.0050	1.25	BRL	101	75-125	0.2	20
Thallium	1.21		mg/l	0.0050	1.25	BRL	97	75-125	0.3	20
Zinc	1.28		mg/l	0.0240	1.25	0.0156	101	75-125	0.3	20
Copper	1.33		mg/l	0.0050	1.25	0.0054	106	75-125	0.2	20
Cadmium	1.26		mg/l	0.0025	1.25	BRL	101	75-125	0.2	20
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	75-125	0.3	20
Chromium	1.28		mg/l	0.0050	1.25	BRL	103	75-125	0.9	20
Silver	1.22		mg/l	0.0050	1.25	BRL	97	75-125	2	20
Arsenic	1.22		mg/l	0.0040	1.25	BRL	98	75-125	0.3	20
Barium	1.23		mg/l	0.0050	1.25	0.0270	96	75-125	0.4	20
Post Spike (9010575-PS1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010575 - SW846 3010A										
Post Spike (9010575-PS1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										
Antimony	1.13		mg/l	0.0060	1.25	BRL	90	75-125		
Nickel	1.24		mg/l	0.0050	1.25	BRL	99	75-125		
Zinc	1.26		mg/l	0.0240	1.25	0.0156	99	75-125		
Lead	1.22		mg/l	0.0075	1.25	0.0126	97	75-125		
Thallium	1.21		mg/l	0.0050	1.25	BRL	97	75-125		
Selenium	1.18		mg/l	0.0150	1.25	BRL	94	75-125		
Vanadium	1.28		mg/l	0.0100	1.25	0.0050	102	75-125		
Beryllium	1.23		mg/l	0.0020	1.25	BRL	98	75-125		
Chromium	1.27		mg/l	0.0050	1.25	BRL	102	75-125		
Copper	1.31		mg/l	0.0050	1.25	0.0054	104	75-125		
Cadmium	1.24		mg/l	0.0025	1.25	BRL	99	75-125		
Arsenic	1.21		mg/l	0.0040	1.25	BRL	97	75-125		
Silver	1.22		mg/l	0.0050	1.25	BRL	98	75-125		
Barium	1.21		mg/l	0.0050	1.25	0.0270	95	75-125		
Batch 9010578 - EPA200/SW7000 Series										
Blank (9010578-BLK1)										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9010578-BS1)										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	0.00433		mg/l	0.00020	0.00500		87	56.1-122		
Duplicate (9010578-DUP1)	**Source: SA89479-02**									
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9010578-MS1)	**Source: SA89479-01**									
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	0.00480		mg/l	0.00020	0.00500	BRL	96	59.8-119		
Matrix Spike Dup (9010578-MSD1)	**Source: SA89479-01**									
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	0.00460		mg/l	0.00020	0.00500	BRL	92	59.8-119	4	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010395 - SW846 9010B										
Blank (9010395-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	BRL		mg/kg wet	1.00						
LCS (9010395-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	30.3		mg/kg wet	1.00	30.0		101	90-110		
Duplicate (9010395-DUP1)	**Source: SA89479-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	BRL		mg/kg dry	1.10		BRL				35
Matrix Spike (9010395-MS1)	**Source: SA89479-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	27.5		mg/kg dry	1.03	30.8	BRL	90	90-110		
Matrix Spike Dup (9010395-MSD1)	**Source: SA89479-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	30.1		mg/kg dry	1.05	31.6	BRL	95	90-110	9	35
Reference (9010395-SRM1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	43.0		mg/kg wet	2.00	50.9		84	33.5-138.9		
Batch 9010421 - General Preparation										
Duplicate (9010421-DUP1)	**Source: SA89458-01**									
Prepared & Analyzed: 08-Jan-09										
% Solids	93.7		%			93.9			0.2	20
Batch 9010423 - General Preparation										
Blank (9010423-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Nitrate as N	BRL		mg/kg wet	1.00						
Chloride	BRL		mg/kg wet	10.0						
Duplicate (9010423-DUP1)	**Source: SA89494-07**									
Prepared & Analyzed: 12-Jan-09										
Chloride	6.81	J	mg/kg dry	10.3		5.88			15	20
Nitrate as N	0.516	J	mg/kg dry	1.03		0.516			0	20
Matrix Spike (9010423-MS1)	**Source: SA89494-07**									
Prepared & Analyzed: 12-Jan-09										
Nitrate as N	4.74		mg/kg dry	1.03	4.13	0.516	102	90-110		
Chloride	55.3	QM9	mg/kg dry	10.3	41.3	5.88	120	90-110		
Matrix Spike Dup (9010423-MSD1)	**Source: SA89494-07**									
Prepared & Analyzed: 12-Jan-09										
Nitrate as N	5.05		mg/kg dry	1.03	4.13	0.516	110	90-110	6	20
Chloride	53.8	QM9	mg/kg dry	10.3	41.3	5.88	116	90-110	3	20
Reference (9010423-SRM1)										
Prepared & Analyzed: 12-Jan-09										
Nitrate as N	25.6		mg/kg wet	1.00	25.0		102	90-110		
Chloride	254		mg/kg wet	10.0	250		102	90-110		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010265 - General Preparation										
Duplicate (9010265-DUP1)	**Source: SA89494-02**									
Prepared & Analyzed: 06-Jan-09										
pH	7.74		pH Units			7.64			1	5
Reference (9010265-SRM1)										
Prepared & Analyzed: 06-Jan-09										
pH	7.02		pH Units		7.00		100	97.5-102.5		
Reference (9010265-SRM2)										
Prepared & Analyzed: 06-Jan-09										
pH	7.04		pH Units		7.00		101	97.5-102.5		
Batch 9010289 - General Preparation										
Duplicate (9010289-DUP1)	**Source: SA89494-02**									
Prepared & Analyzed: 07-Jan-09										
Ignitability by Definition	Negative	IgHT	N/A			Negative				35
Batch 9010361 - General Preparation										
Duplicate (9010361-DUP1)	**Source: SA89433-01**									
Prepared & Analyzed: 08-Jan-09										
Flashpoint	> 200		°F			0				35
Duplicate (9010361-DUP2)	**Source: SA89467-01**									
Prepared & Analyzed: 08-Jan-09										
Flashpoint	80		°F			80			0	35
Reference (9010361-SRM1)										
Prepared & Analyzed: 08-Jan-09										
Flashpoint	80		°F		81.0		99	95-105		
Batch 9010433 - General Preparation										
Blank (9010433-BLK1)										
Prepared & Analyzed: 08-Jan-09										
Reactivity	Nonreactive		mg/kg wet							
Reactive Cyanide	BRL		mg/kg wet	25.0						
Reactive Sulfide	BRL		mg/kg wet	50.0						
Duplicate (9010433-DUP1)	**Source: SA89494-02**									
Prepared & Analyzed: 08-Jan-09										
Reactivity	Nonreactive		mg/kg dry			Nonreactive				200
Reactive Cyanide	BRL		mg/kg dry	24.9		BRL				35
Reactive Sulfide	BRL		mg/kg dry	49.8		BRL				35
Reference (9010433-SRM1)										
Prepared & Analyzed: 08-Jan-09										
Reactive Cyanide	3.52		mg/kg wet	25.0	100		4	0-200		
Reference (9010433-SRM2)										
Prepared & Analyzed: 08-Jan-09										
Reactive Sulfide	192		mg/kg wet	50.0	6700		3	0-200		
Batch 9030238 - General Preparation										
Duplicate (9030238-DUP1)	**Source: SA89494-07**									
Prepared & Analyzed: 04-Mar-09										
Flashpoint	>200		°F			>200				35

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* Reportable Detection Limit BRL = Below Reporting Limit

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030238 - General Preparation										
Reference (9030238-SRM1)										
Prepared & Analyzed: 04-Mar-09										
Flashpoint	80		°F		81.0		99	95-105		

Notes and Definitions

IgHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.
pHs	The soil method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible.
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R01	The Reporting Limit has been raised to account for matrix interference.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
VOC6	The production of Acetone and other ketones is commonly seen when using the SW 846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2), (4), and (5); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Nicole Leja
Rebecca Merz

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA	Project Name and Number:
Project Location: I-95 Auxiliary Lane Interchange 14&15-Norwalk, (	I-95 Auxiliary Lane Interchange 14&15-Norwalk, CT/
This Form Provides certifications for the following data set: SA89494-01 SA89494-02 SA89494-03 SA89494-04 SA89494-05 SA89494-06 SA89494-07 SA89494-08 SA89494-09 SA89494-10	List Specific Analytical Methods Used: +CT ETPH EPA 300.0 SM2540 G Mod. SW846 1010 SW846 1030 SW846 1311 SW846 1311/6010B SW846 1311/7470A SW846 1312 SW846 1312/6010B SW846 1312/7470A SW846 1312/8270C SW846 6010B SW846 7471A SW846 8081A SW846 8082 SW846 8151A SW846 8260B SW846 8270C SW846 9012A SW846 9045C SW846 Ch. 7.3 VOC Soil Extraction
Sample Matrices: Soil/Sediment	

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes ☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes ☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes ☐ No *

* The compounds and/or elements reported are as specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

Negative responses for A, B and C are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/5/2009 1:34:04PM

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA **Client:** TRC - Bridgeport, CT

Project Location: I-95 Auxiliary Lane Interchange 14&15-Norwalk, (**Project Number:** 107307-3631

Sampling Date(s): 05-Jan-09

Laboratory Sample ID(s): SA89494-01 through SA89494-10

RCP Methods Used: +CT ETPH, SW846 1311, SW846 1311/6010B, SW846 1311/7470A, SW846 1312, SW846 1312/6010B, SW846 1312/7470A, SW846 1312/8270C, SW846 6010B, SW846 7471A, SW846 8081A, SW846 8082, SW846 8151A, SW846 8260B, SW846 8270C, SW846 9012A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	☐ Yes ☑ No ☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/5/2009 1:34:04PM

SAS14914 CK

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
TRC
10 Middle ST, 6th Floor
Bridgeport, CT 06604
Project Mgr.: Meg Winfield

Invoice To: Same
ConnDOT DAS
P.O. No.: _____ RQN: _____

Project No.: 107307-3631
Site Name: I-95 Auxiliary Lanes Interchange 14 & 15
Location: Norwalk State: CT
Sampler(s): Liam Bane

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=H_2O 10=Ice

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type:	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260/5035 ETPH (CT Method)	RCRA 8 metals Total & SPLP	SVOCs (8270 C) SIM + SPLP (1312)	PCBs 8082 Cu, Ni, Pb, Zn, Ag, Be, Tl, Va Total/Tcclp/SPLP	Herb / Pest + 8151A/8081A (Fractionated)	Corrosivity (1110) Reactivity (Cyanide/Sulfide)	Total Cyanide (9014) Sulfide (9034)	Nitrates	QA Reporting Notes: (check if needed)
SAS14914 01	B-11 (2-4)	1-5-09	0825	G	SO	7,9,10	3	3			X	X	X	X					B-7 run total TCLP + SPLP metals
02	B-7 (2-4)	1-5-09	0900	G	SO	7,9,10	3	3			X	X	X	X	X	X	X	X	
03	B-6 (0-2)	1-5-09	0930	G	SO	7,9,10	3	3			X	X	X	X					
04	B-4 (1-3.5)	1-5-09	0955	G	SO	7,9,10	3	3			X	X	X	X					
05	B-3 (1-3)	1-5-09	1015	G	SO	7,9,10	3	3			X	X	X	X					
06	B-5 (1-3.5)	1-5-09	1030	G	SO	7,9,10	3	3			X	X	X	X					
07	B-13 (2-4)	1-5-09	1110	G	SO	7,9,10	3	3			X	X	X	X	X	X	X	X	B-13 run total + SPLP metals
08	B-9 (2-4)	1-5-09	1145	G	SO	7,9,10	3	3			X	X	X	X					
09	B-10 (0-2)	1-5-09	1210	G	SO	7,9,10	3	3			X	X	X	X					
10	B-12 (1-3)	1-5-09	1240	G	SO	7,9,10	3	3			X	X	X	X					See attached

☒ Fax results when available to (203) 335-3550
☒ E-mail to mwinfield@trcsolutions.com
EDD Format Excel with CT RSR Criteria

Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 3.0

Relinquished by:	Received by:	Date:	Time:
	Gustanco	1/6/09	0900
Gustanco		1/6/09	1609

QA Reporting Notes (check if needed):
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other

State specific reporting standards:

Report Date:
20-Mar-09 16:04

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
10 Middle St., 6th Floor
Bridgeport, CT 06604
Attn: Meg Winfield

Project: I-95 Auxiliary Lane Interchange 14&15-Norwalk, CT
Project 107307-3631

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA89479-01	B-1 (0-2)	Soil	06-Jan-09 07:35	06-Jan-09 14:15
SA89479-02	B-1 (5-7)	Soil	06-Jan-09 07:50	06-Jan-09 14:15
SA89479-03	B-2 (2-4)	Soil	06-Jan-09 08:20	06-Jan-09 14:15
SA89479-04	B-8 (0-2)	Soil	06-Jan-09 08:50	06-Jan-09 14:15
SA89479-05	B-14 (0-2)	Soil	06-Jan-09 09:15	06-Jan-09 14:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 83 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 7.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 300.0

Spikes:

9010423-MS1 *Source: SA89494-07*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.

Chloride

9010423-MSD1 *Source: SA89494-07*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.

Chloride

SW846 1030

Duplicates:

9010263-DUP1 *Source: SA89459-01*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SW846 1030

Samples:

SA89479-01 *B-1 (0-2)*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SW846 1312/6010B

Laboratory Control Samples:

9010575-BSD1

Analyte out of acceptance range.

Silver

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Silver

Spikes:

9010671-MSD1 *Source: SA89641-01*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Silver

Duplicates:

9010575-DUP1 *Source: SA89479-02*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Lead

SW846 1312/8270C

Laboratory Control Samples:

9010589-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Benzidine
Pyridine

9010683-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Aniline
Benzidine
Benzoic acid
Pyridine

SW846 6010B

SW846 6010B

Spikes:

9010253-MS1 *Source: SA89486-08*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Lead

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery

Sodium

9010253-MSD1 *Source: SA89486-08*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Lead

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery

Antimony

9010253-PS1 *Source: SA89486-08*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Lead

Duplicates:

9010253-DUP1 *Source: SA89486-08*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Barium
Chromium
Lead

SW846 7471A

Duplicates:

9010256-DUP1 *Source: SA89486-08*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Mercury

SW846 8081A

Duplicates:

9010281-DUP1 *Source: SA89457-01*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr) [2C]

SW846 8151A

SW846 8151A

Laboratory Control Samples:

9010356-BSD1

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Dalapon [2C]

SW846 8260B

Laboratory Control Samples:

9010328-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Chloromethane

9010328-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Chloromethane

Samples:

SA89479-04 *B-8 (0-2)*

The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.

SW846 8270C

Laboratory Control Samples:

9010276-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Aniline

SW846 9045C

Samples:

SA89479-01 *B-1 (0-2)*

The soil method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible.

pH

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-2) SA89479-01	107307-3631	Soil	06-Jan-09 07:35	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010254	
Volatile Organic Compounds					Initial weight: 5.44 g						
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	55.7	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.1	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	55.7	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	27.9	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.1	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.1	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.1	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.1	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	55.7	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	55.7	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	55.7	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-2)	107307-3631	Soil	06-Jan-09 07:35	06-Jan-09
SA89479-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 5.44 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.1	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	55.7	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	55.7	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	111	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.9	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2230	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*86*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*91*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	363	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	363	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	363	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	363	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	363	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	363	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	631		µg/kg dry	363	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	531		µg/kg dry	363	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	479		µg/kg dry	363	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	400		µg/kg dry	363	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	451		µg/kg dry	363	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	363	1	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-2) SA89479-01	107307-3631	Soil	06-Jan-09 07:35	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	363	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	363	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	363	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	363	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	363	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	363	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	363	1	"	"	"	"	X
218-01-9	Chrysene	681		µg/kg dry	363	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	363	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	363	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	363	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	363	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
206-44-0	Fluoranthene	948		µg/kg dry	363	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	363	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	363	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	363	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	363	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	401		µg/kg dry	363	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	363	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1450	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1450	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	363	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-2) SA89479-01	107307-3631	Soil	06-Jan-09 07:35	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	363	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	363	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
85-01-8	Phenanthrene	467		µg/kg dry	363	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	363	1	"	"	"	"	X
129-00-0	Pyrene	1,270		µg/kg dry	363	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	363	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*53*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*53*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	12-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-2) SA89479-01	107307-3631	Soil	06-Jan-09 07:35	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	12-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*78*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*89*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*77*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (0-2)	107307-3631	Soil	06-Jan-09 07:35	06-Jan-09
SA89479-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*77*		*15-110 %*			SW846 1312/8270C	12-Jan-09	12-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*92*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*83*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.50	1	SW846 8081A	07-Jan-09	13-Jan-09	9010281	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.50	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.50	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.50	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.50	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.50	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.50	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.50	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.50	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.50	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.50	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.50	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.50	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.50	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	6.09		µg/kg dry	5.50	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.50	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.50	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.50	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.50	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.50	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	27.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	27.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	11.0	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	11.0	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	11.0	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	11.0	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	11.0	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	11.0	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	11.0	1	"	"	"	"	X
11096-82-5	PCB 1260	14.3		µg/kg dry	11.0	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	11.0	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	11.0	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL		µg/kg dry	6.70	1	SW846 8151A	08-Jan-09	09-Jan-09	9010356	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7) SA89479-02	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010254	
Volatile Organic Compounds						Initial weight: 5.67 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	53.5	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.5	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	26.8	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.7	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.7	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.5	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.5	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	53.5	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7) SA89479-02	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.67 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.7	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	53.5	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.5	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	107	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.8	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2140	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	363	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	363	1	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	363	1	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	363	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	363	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	363	1	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	363	1	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	363	1	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	363	1	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	363	1	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	363	1	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7)	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09
SA89479-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	363	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	363	1	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	363	1	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	363	1	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	363	1	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	363	1	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	363	1	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	363	1	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	363	1	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	363	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	363	1	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	363	1	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	363	1	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	363	1	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	363	1	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	363	1	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	363	1	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	363	1	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	363	1	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	363	1	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
78-59-1	Isophorone	BRL		µg/kg dry	363	1	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	363	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	363	1	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	363	1	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1450	1	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1450	1	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	363	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7)	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09
SA89479-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	363	1	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	363	1	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	363	1	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	363	1	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	363	1	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	363	1	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	363	1	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	363	1	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*59*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	12-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7) SA89479-02	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	12-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*			"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7) SA89479-02	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*69*		*15-110 %*			SW846 1312/8270C	12-Jan-09	12-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*82*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*70*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.2	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	14.6	1	+CT ETPH	07-Jan-09	08-Jan-09	9010275	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	14.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	14.6	1	"	"	"	"	
	Unidentified	43.6		mg/kg dry	14.6	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	14.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	43.6		mg/kg dry	14.6	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	43.6		mg/kg dry	14.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*91*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.45	1	SW846 6010B	06-Jan-09	07-Jan-09	9010253	X
7440-38-2	Arsenic	6.09		mg/kg dry	1.45	1	"	"	"	"	X
7440-39-3	Barium	69.0		mg/kg dry	0.968	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.484	1	"	"	"	"	X
7440-47-3	Chromium	19.9		mg/kg dry	0.968	1	"	"	"	"	X
7439-97-6	Mercury	BRL		mg/kg dry	0.0285	1	SW846 7471A	"	07-Jan-09	9010256	X
7439-92-1	Lead	11.4		mg/kg dry	1.45	1	SW846 6010B	"	07-Jan-09	9010253	X
7782-49-2	Selenium	2.29		mg/kg dry	1.45	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.128		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-1 (5-7) SA89479-02	107307-3631	Soil	06-Jan-09 07:50	06-Jan-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	BRL		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.9		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4)	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09
SA89479-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010254	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.08 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	55.9	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.6	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	55.9	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	28.0	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	55.9	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	55.9	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	55.9	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.6	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4) SA89479-03	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds						Initial weight: 6.08 g					
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.6	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.6	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.6	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.6	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.6	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	55.9	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.6	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	55.9	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	112	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.0	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2240	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*93*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	12-Jan-09	12-Jan-09	9010627	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	264	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	264	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	264	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	264	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	264	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	264	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	264	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	328		µg/kg dry	264	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	510		µg/kg dry	264	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	472		µg/kg dry	264	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	726		µg/kg dry	264	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	410		µg/kg dry	264	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	264	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4)	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09
SA89479-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	264	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	264	2	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	264	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	264	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	264	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	264	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	264	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	264	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	264	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	264	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	264	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	264	2	"	"	"	"	X
218-01-9	Chrysene	406		µg/kg dry	264	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	264	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	264	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	264	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	264	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	264	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	264	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	264	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	264	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	264	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	264	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	264	2	"	"	"	"	X
206-44-0	Fluoranthene	349		µg/kg dry	264	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	264	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	264	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	264	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	264	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	666		µg/kg dry	264	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	264	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	264	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	264	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	264	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	264	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	264	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	264	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	264	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	1520	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1520	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	264	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4) SA89479-03	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	264	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	264	2	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	264	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	264	2	"	"	"	"	X
129-00-0	Pyrene	518		µg/kg dry	264	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	264	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	264	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	264	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*64*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*58*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*57*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	13-Jan-09	13-Jan-09	9010683	
208-96-8	Acenaphthylene	0.589		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	0.937		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	0.937		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	0.642		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4)	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09
SA89479-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	13-Jan-09	13-Jan-09	9010683	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*55*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4) SA89479-03	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*33*		*15-110 %*			SW846 1312/8270C	13-Jan-09	13-Jan-09	9010683	
1718-51-0	*Terphenyl-dl4*	*78*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*78*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.3	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.3	1	+CT ETPH	07-Jan-09	08-Jan-09	9010275	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.3	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.3	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.3	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.3	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.3	1	"	"	"	"	
	Unidentified	84.7		mg/kg dry	15.3	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.3	1	"	"	"	"	
	Total Petroleum Hydrocarbons	84.7		mg/kg dry	15.3	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	84.7		mg/kg dry	15.3	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*91*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.58	1	SW846 6010B	06-Jan-09	07-Jan-09	9010253	X
7440-38-2	Arsenic	2.94		mg/kg dry	1.58	1	"	"	"	"	X
7440-39-3	Barium	56.1		mg/kg dry	1.05	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.526	1	"	"	"	"	X
7440-47-3	Chromium	13.5		mg/kg dry	1.05	1	"	"	"	"	X
7439-97-6	Mercury	0.167		mg/kg dry	0.0311	1	SW846 7471A	"	07-Jan-09	9010256	X
7439-92-1	Lead	39.1		mg/kg dry	1.58	1	SW846 6010B	"	07-Jan-09	9010253	X
7782-49-2	Selenium	3.11		mg/kg dry	1.58	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	12-Jan-09	12-Jan-09	9010626	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	13-Jan-09	13-Jan-09	9010671	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0567		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-2 (2-4)	107307-3631	Soil	06-Jan-09 08:20	06-Jan-09
SA89479-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	13-Jan-09	13-Jan-09	9010673	
7439-92-1	Lead	0.0105		mg/l	0.0075	1	SW846 1312/6010B	"	13-Jan-09	9010671	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	86.0		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2)	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09
SA89479-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010254	
Volatile Organic Compounds			VC10			Initial weight: 6.32 g					
Prepared by method SW846 5035A Soil (low level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	51.1	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.1	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	25.5	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.2	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.2	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.1	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.1	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	51.1	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2)	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09
SA89479-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds			VC10								
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.32 g						
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.2	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.1	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.1	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	102	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.5	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2040	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	744	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	744	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	744	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	744	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	744	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	744	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	744	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	744	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	744	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	744	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	744	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	744	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	744	2	"	"	"	"	X

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2) SA89479-04	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	744	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	744	2	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	744	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	744	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	744	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	744	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	744	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	744	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	744	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	744	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	744	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	744	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	744	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	744	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	744	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/kg dry	744	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	744	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	744	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	744	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	744	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	744	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	744	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	744	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	744	2	"	"	"	"	X
206-44-0	Fluoranthene	748		µg/kg dry	744	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	744	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	744	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	744	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	744	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	744	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	744	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	744	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	744	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	744	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	744	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	744	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	744	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	744	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	2980	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	2980	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	744	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2)	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09
SA89479-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	744	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	744	2	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	744	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	744	2	"	"	"	"	X
129-00-0	Pyrene	849		µg/kg dry	744	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	744	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	744	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	744	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*71*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*65*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*63*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*88*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*69*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2)	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09
SA89479-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*63*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*63*		*30-130 %*			"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2)	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09
SA89479-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*64*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.2	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	21.2	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	21.2	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	21.2	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	21.2	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	21.2	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.0	1	+CT ETPH	07-Jan-09	08-Jan-09	9010275	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.0	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.0	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.0	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.0	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.0	1	"	"	"	"	
	Unidentified	77.8		mg/kg dry	15.0	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.0	1	"	"	"	"	
	Total Petroleum Hydrocarbons	77.8		mg/kg dry	15.0	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	77.8		mg/kg dry	15.0	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*51*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.53	1	SW846 6010B	06-Jan-09	07-Jan-09	9010253	X
7440-38-2	Arsenic	5.00		mg/kg dry	1.53	1	"	"	"	"	X
7440-39-3	Barium	113		mg/kg dry	1.02	1	"	"	"	"	X
7440-43-9	Cadmium	BRL		mg/kg dry	0.511	1	"	"	"	"	X
7440-47-3	Chromium	26.1		mg/kg dry	1.02	1	"	"	"	"	X
7439-97-6	Mercury	0.123		mg/kg dry	0.0298	1	SW846 7471A	"	07-Jan-09	9010256	X
7439-92-1	Lead	81.0		mg/kg dry	1.53	1	SW846 6010B	"	07-Jan-09	9010253	X
7782-49-2	Selenium	3.11		mg/kg dry	1.53	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0728		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-8 (0-2) SA89479-04	107307-3631	Soil	06-Jan-09 08:50	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	0.0148		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	88.6		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2)	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09
SA89479-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	06-Jan-09	06-Jan-09	9010254	
Volatile Organic Compounds											
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.1 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
67-64-1	Acetone	BRL		µg/kg dry	54.4	1	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.9	1	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.4	1	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	27.2	1	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.9	1	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.9	1	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.9	1	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.9	1	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.4	1	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.4	1	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	54.4	1	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2)	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09
SA89479-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds					Initial weight: 6.1 g						
Prepared by method SW846 5035A Soil (low level)											
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260B	07-Jan-09	08-Jan-09	9010328	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.9	1	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	54.4	1	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	54.4	1	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	109	1	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.2	1	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	2180	1	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87*		*70-130 %*			"	"	"	"	
2037-26-5	*Toluene-d8*	*92*		*70-130 %*			"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*			"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*			"	"	"	"	
Semivolatile Organic Compounds by GCMS											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010526	
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL		µg/kg dry	753	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	753	2	"	"	"	"	X
62-53-3	Aniline	BRL		µg/kg dry	753	2	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	753	2	"	"	"	"	X
1912-24-9	Atrazine	BRL		µg/kg dry	753	2	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/kg dry	753	2	"	"	"	"	
92-87-5	Benzidine	BRL		µg/kg dry	753	2	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	753	2	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	753	2	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	753	2	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	753	2	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	753	2	"	"	"	"	X
65-85-0	Benzoic acid	BRL		µg/kg dry	753	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2)	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09
SA89479-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
100-51-6	Benzyl alcohol	BRL		µg/kg dry	753	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/kg dry	753	2	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/kg dry	753	2	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	753	2	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	753	2	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/kg dry	753	2	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	753	2	"	"	"	"	X
86-74-8	Carbazole	BRL		µg/kg dry	753	2	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	753	2	"	"	"	"	X
106-47-8	4-Chloroaniline	BRL		µg/kg dry	753	2	"	"	"	"	X
91-58-7	2-Chloronaphthalene	BRL		µg/kg dry	753	2	"	"	"	"	X
95-57-8	2-Chlorophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/kg dry	753	2	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	753	2	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	753	2	"	"	"	"	X
132-64-9	Dibenzofuran	BRL		µg/kg dry	753	2	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	753	2	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
84-66-2	Diethyl phthalate	BRL		µg/kg dry	753	2	"	"	"	"	X
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	753	2	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	BRL		µg/kg dry	753	2	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	753	2	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	753	2	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	BRL		µg/kg dry	753	2	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	753	2	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	753	2	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	753	2	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	753	2	"	"	"	"	X
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	753	2	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	BRL		µg/kg dry	753	2	"	"	"	"	X
67-72-1	Hexachloroethane	BRL		µg/kg dry	753	2	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	753	2	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	753	2	"	"	"	"	
78-59-1	Isophorone	BRL		µg/kg dry	753	2	"	"	"	"	X
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	753	2	"	"	"	"	X
95-48-7	2-Methylphenol	BRL		µg/kg dry	753	2	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/kg dry	753	2	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	753	2	"	"	"	"	X
88-74-4	2-Nitroaniline	BRL		µg/kg dry	753	2	"	"	"	"	X
99-09-2	3-Nitroaniline	BRL		µg/kg dry	753	2	"	"	"	"	X
100-01-6	4-Nitroaniline	BRL		µg/kg dry	3010	2	"	"	"	"	X
98-95-3	Nitrobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
88-75-5	2-Nitrophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
100-02-7	4-Nitrophenol	BRL		µg/kg dry	3010	2	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	BRL		µg/kg dry	753	2	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2)	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09
SA89479-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/kg dry	753	2	SW846 8270C	07-Jan-09	10-Jan-09	9010276	X
86-30-6	N-Nitrosodiphenylamine	BRL		µg/kg dry	753	2	"	"	"	"	X
87-86-5	Pentachlorophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	753	2	"	"	"	"	X
108-95-2	Phenol	BRL		µg/kg dry	753	2	"	"	"	"	X
129-00-0	Pyrene	845		µg/kg dry	753	2	"	"	"	"	X
110-86-1	Pyridine	BRL		µg/kg dry	753	2	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	BRL		µg/kg dry	753	2	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	753	2	"	"	"	"	X
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*58*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*			"	"	"	"	
4165-62-2	*Phenol-d5*	*54*		*15-110 %*			"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*60*		*15-110 %*			"	"	"	"	
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
83-32-9	Acenaphthene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	
62-53-3	Aniline	BRL		µg/l	5.00	1	"	"	"	"	
120-12-7	Anthracene	BRL		µg/l	5.00	1	"	"	"	"	
1912-24-9	Atrazine	BRL		µg/l	5.00	1	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	5.00	1	"	"	"	"	
92-87-5	Benzidine	BRL		µg/l	5.00	1	"	"	"	"	
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	5.00	1	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	
65-85-0	Benzoic acid	BRL		µg/l	5.00	1	"	"	"	"	
100-51-6	Benzyl alcohol	BRL		µg/l	5.00	1	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	5.00	1	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00	1	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00	1	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
85-68-7	Butyl benzyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
86-74-8	Carbazole	BRL		µg/l	5.00	1	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
106-47-8	4-Chloroaniline	BRL		µg/l	5.00	1	"	"	"	"	
91-58-7	2-Chloronaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-57-8	2-Chlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	5.00	1	"	"	"	"	
218-01-9	Chrysene	BRL		µg/l	5.00	1	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	5.00	1	"	"	"	"	
132-64-9	Dibenzofuran	BRL		µg/l	5.00	1	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2)	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09
SA89479-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.00	1	SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	5.00	1	"	"	"	"	
120-83-2	2,4-Dichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
84-66-2	Diethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
131-11-3	Dimethyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
105-67-9	2,4-Dimethylphenol	BRL		µg/l	5.00	1	"	"	"	"	
84-74-2	Di-n-butyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
51-28-5	2,4-Dinitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	5.00	1	"	"	"	"	
117-84-0	Di-n-octyl phthalate	BRL		µg/l	5.00	1	"	"	"	"	
206-44-0	Fluoranthene	BRL		µg/l	5.00	1	"	"	"	"	
86-73-7	Fluorene	BRL		µg/l	5.00	1	"	"	"	"	
118-74-1	Hexachlorobenzene	BRL		µg/l	1.00	1	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/l	5.00	1	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	5.00	1	"	"	"	"	
67-72-1	Hexachloroethane	BRL		µg/l	3.00	1	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00	1	"	"	"	"	
78-59-1	Isophorone	BRL		µg/l	5.00	1	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-48-7	2-Methylphenol	BRL		µg/l	5.00	1	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	BRL		µg/l	10.0	1	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/l	5.00	1	"	"	"	"	
88-74-4	2-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
99-09-2	3-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
100-01-6	4-Nitroaniline	BRL		µg/l	5.00	1	"	"	"	"	
98-95-3	Nitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
88-75-5	2-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
100-02-7	4-Nitrophenol	BRL		µg/l	5.00	1	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	5.00	1	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	5.00	1	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	5.00	1	"	"	"	"	
87-86-5	Pentachlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
85-01-8	Phenanthrene	BRL		µg/l	5.00	1	"	"	"	"	
108-95-2	Phenol	BRL		µg/l	5.00	1	"	"	"	"	
129-00-0	Pyrene	BRL		µg/l	5.00	1	"	"	"	"	
110-86-1	Pyridine	BRL		µg/l	5.00	1	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
90-12-0	1-Methylnaphthalene	BRL		µg/l	5.00	1	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	5.00	1	"	"	"	"	
82-68-8	Pentachloronitrobenzene	BRL		µg/l	5.00	1	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00	1	"	"	"	"	
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*			"	"	"	"	
367-12-4	*2-Fluorophenol*	*80*		*15-110 %*			"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*68*		*30-130 %*			"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2) SA89479-05	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GCMS											
SPLP Semivolatiles by SW846 1312/8270C											
Prepared by method SW846 3535											
4165-62-2	*Phenol-d5*	*70*		*15-110 %*			SW846 1312/8270C	12-Jan-09	13-Jan-09	9010589	
1718-51-0	*Terphenyl-dl4*	*83*		*30-130 %*			"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*71*		*15-110 %*			"	"	"	"	
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.3	1	SW846 8082	07-Jan-09	09-Jan-09	9010280	X
11104-28-2	PCB 1221	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11141-16-5	PCB 1232	BRL		µg/kg dry	22.3	1	"	"	"	"	X
53469-21-9	PCB 1242	BRL		µg/kg dry	22.3	1	"	"	"	"	X
12672-29-6	PCB 1248	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11097-69-1	PCB 1254	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11096-82-5	PCB 1260	BRL		µg/kg dry	22.3	1	"	"	"	"	X
37324-23-5	PCB 1262	BRL		µg/kg dry	22.3	1	"	"	"	"	X
11100-14-4	PCB 1268	BRL		µg/kg dry	22.3	1	"	"	"	"	X
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
Extractable Petroleum Hydrocarbons											
Extractable Total Petroleum Hydrocarbons											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	15.2	1	+CT ETPH	07-Jan-09	08-Jan-09	9010275	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	15.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	15.2	1	"	"	"	"	
	Unidentified	105		mg/kg dry	15.2	1	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	15.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	105		mg/kg dry	15.2	1	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	105		mg/kg dry	15.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*51*		*50-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.68	1	SW846 6010B	06-Jan-09	07-Jan-09	9010253	X
7440-38-2	Arsenic	3.87		mg/kg dry	1.68	1	"	"	"	"	X
7440-39-3	Barium	85.4		mg/kg dry	1.12	1	"	"	"	"	X
7440-43-9	Cadmium	0.661		mg/kg dry	0.560	1	"	"	"	"	X
7440-47-3	Chromium	22.5		mg/kg dry	1.12	1	"	"	"	"	X
7439-97-6	Mercury	0.0785		mg/kg dry	0.0310	1	SW846 7471A	"	07-Jan-09	9010256	X
7439-92-1	Lead	107		mg/kg dry	1.68	1	SW846 6010B	"	07-Jan-09	9010253	X
7782-49-2	Selenium	2.66		mg/kg dry	1.68	1	"	"	"	"	X
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
	SPLP Extraction	Completed		N/A		1	SW846 1312	09-Jan-09	09-Jan-09	9010524	
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 1312/6010B	12-Jan-09	12-Jan-09	9010575	
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	
7440-39-3	Barium	0.0286		mg/l	0.0050	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-14 (0-2)	107307-3631	Soil	06-Jan-09 09:15	06-Jan-09
SA89479-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
SPLP Metals by EPA 1312 & 6000/7000 Series Methods											
7439-97-6	Mercury	BRL		mg/l	0.00020	1	SW846 1312/7470A	12-Jan-09	13-Jan-09	9010578	
7439-92-1	Lead	0.0192		mg/l	0.0075	1	SW846 1312/6010B	"	12-Jan-09	9010575	
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	87.1		%		1	SM2540 G Mod.	08-Jan-09	08-Jan-09	9010421	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
Blank (9010328-BLK1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0						
Acetone	BRL		µg/kg wet	50.0						
Acrylonitrile	BRL		µg/kg wet	5.0						
Benzene	BRL		µg/kg wet	5.0						
Bromobenzene	BRL		µg/kg wet	5.0						
Bromochloromethane	BRL		µg/kg wet	5.0						
Bromodichloromethane	BRL		µg/kg wet	5.0						
Bromoform	BRL		µg/kg wet	5.0						
Bromomethane	BRL		µg/kg wet	10.0						
2-Butanone (MEK)	BRL		µg/kg wet	50.0						
n-Butylbenzene	BRL		µg/kg wet	5.0						
sec-Butylbenzene	BRL		µg/kg wet	5.0						
tert-Butylbenzene	BRL		µg/kg wet	5.0						
Carbon disulfide	BRL		µg/kg wet	25.0						
Carbon tetrachloride	BRL		µg/kg wet	5.0						
Chlorobenzene	BRL		µg/kg wet	5.0						
Chloroethane	BRL		µg/kg wet	10.0						
Chloroform	BRL		µg/kg wet	5.0						
Chloromethane	BRL		µg/kg wet	10.0						
2-Chlorotoluene	BRL		µg/kg wet	5.0						
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	50.0						
Naphthalene	BRL		µg/kg wet	5.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
Blank (9010328-BLK1)										
Prepared & Analyzed: 07-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	50.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Toluene-d8	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.2*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (9010328-BS1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.9		µg/kg wet		20.0		119	70-130		
Acetone	7.0		µg/kg wet		20.0		35	7.9-168		
Acrylonitrile	15.5		µg/kg wet		20.0		78	70-130		
Benzene	21.3		µg/kg wet		20.0		107	70-130		
Bromobenzene	17.2		µg/kg wet		20.0		86	70-130		
Bromochloromethane	16.0		µg/kg wet		20.0		80	70-130		
Bromodichloromethane	21.0		µg/kg wet		20.0		105	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	12.7		µg/kg wet		20.0		64	50-134		
2-Butanone (MEK)	17.5		µg/kg wet		20.0		88	44.6-130		
n-Butylbenzene	22.5		µg/kg wet		20.0		112	70-130		
sec-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130		
tert-Butylbenzene	17.2		µg/kg wet		20.0		86	70-130		
Carbon disulfide	20.1		µg/kg wet		20.0		100	70-130		
Carbon tetrachloride	22.8		µg/kg wet		20.0		114	70-130		
Chlorobenzene	19.9		µg/kg wet		20.0		100	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
LCS (9010328-BS1)										
Prepared & Analyzed: 07-Jan-09										
Chloroethane	14.0		µg/kg wet		20.0		70	59.2-130		
Chloroform	19.6		µg/kg wet		20.0		98	70-130		
Chloromethane	11.6	QC2	µg/kg wet		20.0		58	70-130		
2-Chlorotoluene	18.3		µg/kg wet		20.0		92	70-130		
4-Chlorotoluene	17.5		µg/kg wet		20.0		87	70-130		
1,2-Dibromo-3-chloropropane	19.3		µg/kg wet		20.0		96	70-130		
Dibromochloromethane	18.2		µg/kg wet		20.0		91	63.8-130		
1,2-Dibromoethane (EDB)	16.0		µg/kg wet		20.0		80	70-130		
Dibromomethane	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,3-Dichlorobenzene	15.9		µg/kg wet		20.0		80	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	12.1		µg/kg wet		20.0		61	41.8-130		
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130		
cis-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
trans-1,2-Dichloroethene	21.9		µg/kg wet		20.0		110	70-130		
1,2-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130		
1,3-Dichloropropane	17.3		µg/kg wet		20.0		87	70-130		
2,2-Dichloropropane	21.7		µg/kg wet		20.0		109	70-130		
1,1-Dichloropropene	22.7		µg/kg wet		20.0		114	70-130		
cis-1,3-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	19.1		µg/kg wet		20.0		95	70-130		
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	68.3-130		
2-Hexanone (MBK)	14.1		µg/kg wet		20.0		70	70-130		
Isopropylbenzene	18.4		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	20.6		µg/kg wet		20.0		103	70-130		
4-Methyl-2-pentanone (MIBK)	15.2		µg/kg wet		20.0		76	53.1-132		
Methylene chloride	15.7		µg/kg wet		20.0		78	70-130		
Naphthalene	16.5		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	18.1		µg/kg wet		20.0		91	70-130		
Styrene	18.3		µg/kg wet		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	21.5		µg/kg wet		20.0		108	70-130		
1,1,2,2-Tetrachloroethane	16.8		µg/kg wet		20.0		84	70-130		
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130		
Toluene	16.9		µg/kg wet		20.0		84	70-130		
1,2,3-Trichlorobenzene	17.0		µg/kg wet		20.0		85	70-130		
1,2,4-Trichlorobenzene	17.0		µg/kg wet		20.0		85	70-130		
1,3,5-Trichlorobenzene	18.7		µg/kg wet		20.0		93	70-130		
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130		
1,1,2-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130		
Trichloroethene	20.5		µg/kg wet		20.0		102	70-130		
Trichlorofluoromethane (Freon 11)	18.9		µg/kg wet		20.0		95	68.2-130		
1,2,3-Trichloropropane	17.4		µg/kg wet		20.0		87	70-130		
1,2,4-Trimethylbenzene	17.3		µg/kg wet		20.0		87	70-130		
1,3,5-Trimethylbenzene	18.0		µg/kg wet		20.0		90	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
LCS (9010328-BS1)										
Prepared & Analyzed: 07-Jan-09										
Vinyl chloride	15.2		µg/kg wet		20.0		76	70-130		
m,p-Xylene	39.0		µg/kg wet		40.0		98	70-130		
o-Xylene	18.8		µg/kg wet		20.0		94	70-130		
Tetrahydrofuran	16.1		µg/kg wet		20.0		81	70-130		
Ethyl ether	21.9		µg/kg wet		20.0		109	70-130		
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		95	70-130		
Ethyl tert-butyl ether	21.5		µg/kg wet		20.0		108	70-130		
Di-isopropyl ether	21.7		µg/kg wet		20.0		108	70-130		
Tert-Butanol / butyl alcohol	157		µg/kg wet		200		78	70-130		
1,4-Dioxane	128		µg/kg wet		200		64	48.7-130		
trans-1,4-Dichloro-2-butene	18.3		µg/kg wet		20.0		91	70-130		
Ethanol	295		µg/kg wet		400		74	70-130		
Surrogate: 4-Bromofluorobenzene	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: Toluene-d8	*45.2*		µg/kg wet		*50.0*		*90*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS Dup (9010328-BSD1)										
Prepared & Analyzed: 07-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.2		µg/kg wet		20.0		116	70-130	3	25
Acetone	11.4		µg/kg wet		20.0		57	7.9-168	47	50
Acrylonitrile	15.8		µg/kg wet		20.0		79	70-130	2	25
Benzene	22.4		µg/kg wet		20.0		112	70-130	5	25
Bromobenzene	17.7		µg/kg wet		20.0		89	70-130	3	25
Bromochloromethane	16.3		µg/kg wet		20.0		82	70-130	2	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	0.9	25
Bromoform	20.0		µg/kg wet		20.0		100	70-130	5	25
Bromomethane	13.8		µg/kg wet		20.0		69	50-134	8	50
2-Butanone (MEK)	19.7		µg/kg wet		20.0		98	44.6-130	12	50
n-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130	2	25
sec-Butylbenzene	18.6		µg/kg wet		20.0		93	70-130	6	25
tert-Butylbenzene	17.6		µg/kg wet		20.0		88	70-130	3	25
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130	4	25
Carbon tetrachloride	23.5		µg/kg wet		20.0		117	70-130	3	25
Chlorobenzene	20.3		µg/kg wet		20.0		101	70-130	2	25
Chloroethane	14.5		µg/kg wet		20.0		72	59.2-130	4	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	2	25
Chloromethane	12.2	QC2	µg/kg wet		20.0		61	70-130	5	25
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130	4	25
4-Chlorotoluene	18.2		µg/kg wet		20.0		91	70-130	4	25
1,2-Dibromo-3-chloropropane	22.7		µg/kg wet		20.0		113	70-130	16	25
Dibromochloromethane	18.6		µg/kg wet		20.0		93	63.8-130	2	50
1,2-Dibromoethane (EDB)	17.2		µg/kg wet		20.0		86	70-130	7	25
Dibromomethane	18.4		µg/kg wet		20.0		92	70-130	1	25
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		101	70-130	3	25
1,3-Dichlorobenzene	17.1		µg/kg wet		20.0		85	70-130	7	25
1,4-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
Dichlorodifluoromethane (Freon12)	13.3		µg/kg wet		20.0		66	41.8-130	9	50
1,1-Dichloroethane	21.1		µg/kg wet		20.0		105	70-130	2	25
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	6	25
1,1-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130	3	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010328 - SW846 5035A Soil (low level)										
LCS Dup (9010328-BSD1)										
Prepared & Analyzed: 07-Jan-09										
cis-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130	0.3	25
trans-1,2-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130	1	25
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130	3	25
1,3-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130	3	25
2,2-Dichloropropane	22.0		µg/kg wet		20.0		110	70-130	1	25
1,1-Dichloropropene	22.9		µg/kg wet		20.0		114	70-130	0.7	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	4	25
trans-1,3-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130	4	25
Ethylbenzene	21.0		µg/kg wet		20.0		105	70-130	4	25
Hexachlorobutadiene	20.0		µg/kg wet		20.0		100	68.3-130	8	50
2-Hexanone (MBK)	14.9		µg/kg wet		20.0		74	70-130	6	25
Isopropylbenzene	18.9		µg/kg wet		20.0		95	70-130	3	25
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130	3	25
Methyl tert-butyl ether	21.5		µg/kg wet		20.0		107	70-130	4	25
4-Methyl-2-pentanone (MIBK)	16.2		µg/kg wet		20.0		81	53.1-132	7	50
Methylene chloride	17.1		µg/kg wet		20.0		86	70-130	9	25
Naphthalene	17.1		µg/kg wet		20.0		86	70-130	4	25
n-Propylbenzene	18.8		µg/kg wet		20.0		94	70-130	4	25
Styrene	19.0		µg/kg wet		20.0		95	70-130	4	25
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130	0.5	25
1,1,2,2-Tetrachloroethane	17.8		µg/kg wet		20.0		89	70-130	6	25
Tetrachloroethene	19.3		µg/kg wet		20.0		96	70-130	2	25
Toluene	17.6		µg/kg wet		20.0		88	70-130	4	25
1,2,3-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	9	25
1,2,4-Trichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	9	25
1,3,5-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	7	25
1,1,1-Trichloroethane	22.1		µg/kg wet		20.0		111	70-130	0.4	25
1,1,2-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130	6	25
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130	3	25
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet		20.0		100	68.2-130	6	50
1,2,3-Trichloropropane	17.8		µg/kg wet		20.0		89	70-130	2	25
1,2,4-Trimethylbenzene	18.2		µg/kg wet		20.0		91	70-130	5	25
1,3,5-Trimethylbenzene	18.6		µg/kg wet		20.0		93	70-130	3	25
Vinyl chloride	15.8		µg/kg wet		20.0		79	70-130	4	25
m,p-Xylene	40.3		µg/kg wet		40.0		101	70-130	3	25
o-Xylene	19.5		µg/kg wet		20.0		98	70-130	4	25
Tetrahydrofuran	17.3		µg/kg wet		20.0		86	70-130	7	25
Ethyl ether	22.4		µg/kg wet		20.0		112	70-130	2	50
Tert-amyl methyl ether	18.7		µg/kg wet		20.0		93	70-130	2	25
Ethyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130	1	25
Di-isopropyl ether	21.8		µg/kg wet		20.0		109	70-130	0.4	25
Tert-Butanol / butyl alcohol	179		µg/kg wet		200		89	70-130	13	25
1,4-Dioxane	152		µg/kg wet		200		76	48.7-130	18	25
trans-1,4-Dichloro-2-butene	18.8		µg/kg wet		20.0		94	70-130	3	25
Ethanol	316		µg/kg wet		400		79	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Blank (9010276-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	BRL		µg/kg wet	165						
Acenaphthylene	BRL		µg/kg wet	165						
Aniline	BRL		µg/kg wet	165						
Anthracene	BRL		µg/kg wet	165						
Atrazine	BRL		µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	165						
Benzidine	BRL		µg/kg wet	165						
Benzo (a) anthracene	BRL		µg/kg wet	165						
Benzo (a) pyrene	BRL		µg/kg wet	165						
Benzo (b) fluoranthene	BRL		µg/kg wet	165						
Benzo (g,h,i) perylene	BRL		µg/kg wet	165						
Benzo (k) fluoranthene	BRL		µg/kg wet	165						
Benzoic acid	BRL		µg/kg wet	165						
Benzyl alcohol	BRL		µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	165						
Butyl benzyl phthalate	BRL		µg/kg wet	165						
Carbazole	BRL		µg/kg wet	165						
4-Chloro-3-methylphenol	BRL		µg/kg wet	165						
4-Chloroaniline	BRL		µg/kg wet	165						
2-Chloronaphthalene	BRL		µg/kg wet	165						
2-Chlorophenol	BRL		µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	165						
Chrysene	BRL		µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	165						
Dibenzofuran	BRL		µg/kg wet	165						
1,2-Dichlorobenzene	BRL		µg/kg wet	165						
1,3-Dichlorobenzene	BRL		µg/kg wet	165						
1,4-Dichlorobenzene	BRL		µg/kg wet	165						
3,3'-Dichlorobenzidine	BRL		µg/kg wet	165						
2,4-Dichlorophenol	BRL		µg/kg wet	165						
Diethyl phthalate	BRL		µg/kg wet	165						
Dimethyl phthalate	BRL		µg/kg wet	165						
2,4-Dimethylphenol	BRL		µg/kg wet	165						
Di-n-butyl phthalate	BRL		µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	165						
2,4-Dinitrophenol	BRL		µg/kg wet	165						
2,4-Dinitrotoluene	BRL		µg/kg wet	165						
2,6-Dinitrotoluene	BRL		µg/kg wet	165						
Di-n-octyl phthalate	BRL		µg/kg wet	165						
Fluoranthene	BRL		µg/kg wet	165						
Fluorene	BRL		µg/kg wet	165						
Hexachlorobenzene	BRL		µg/kg wet	165						
Hexachlorobutadiene	BRL		µg/kg wet	165						
Hexachlorocyclopentadiene	BRL		µg/kg wet	165						
Hexachloroethane	BRL		µg/kg wet	165						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Blank (9010276-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	165						
Isophorone	BRL		µg/kg wet	165						
1-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylnaphthalene	BRL		µg/kg wet	165						
2-Methylphenol	BRL		µg/kg wet	165						
3 & 4-Methylphenol	BRL		µg/kg wet	165						
Naphthalene	BRL		µg/kg wet	165						
2-Nitroaniline	BRL		µg/kg wet	165						
3-Nitroaniline	BRL		µg/kg wet	165						
4-Nitroaniline	BRL		µg/kg wet	660						
Nitrobenzene	BRL		µg/kg wet	165						
2-Nitrophenol	BRL		µg/kg wet	165						
4-Nitrophenol	BRL		µg/kg wet	660						
N-Nitrosodimethylamine	BRL		µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	165						
N-Nitrosodiphenylamine	BRL		µg/kg wet	165						
Pentachlorophenol	BRL		µg/kg wet	165						
Phenanthrene	BRL		µg/kg wet	165						
Phenol	BRL		µg/kg wet	165						
Pyrene	BRL		µg/kg wet	165						
Pyridine	BRL		µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	165						
2,4,5-Trichlorophenol	BRL		µg/kg wet	165						
2,4,6-Trichlorophenol	BRL		µg/kg wet	165						
Pentachloronitrobenzene	BRL		µg/kg wet	165						
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1260*		µg/kg wet		*1670*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*1330*		µg/kg wet		*1670*		*80*	*15-110*		
Surrogate: Nitrobenzene-d5	*1190*		µg/kg wet		*1670*		*71*	*30-130*		
Surrogate: Phenol-d5	*1220*		µg/kg wet		*1670*		*73*	*15-110*		
Surrogate: Terphenyl-d14	*1590*		µg/kg wet		*1670*		*96*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1340*		µg/kg wet		*1670*		*81*	*15-110*		
LCS (9010276-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1260		µg/kg wet	165	1670		75	40-130		
Acenaphthylene	1230		µg/kg wet	165	1670		74	40-130		
Aniline	345	QC2	µg/kg wet	165	1670		21	40-130		
Anthracene	1150		µg/kg wet	165	1670		69	40-130		
Atrazine	914		µg/kg wet	165	1670		55	40-130		
Azobenzene/Diphenyldiazine	1200		µg/kg wet	165	1670		72	40-130		
Benzidine	BRL		µg/kg wet	165	1670			0-130		
Benzo (a) anthracene	1500		µg/kg wet	165	1670		90	40-130		
Benzo (a) pyrene	1240		µg/kg wet	165	1670		75	40-130		
Benzo (b) fluoranthene	1380		µg/kg wet	165	1670		83	40-130		
Benzo (g,h,i) perylene	1400		µg/kg wet	165	1670		84	40-130		
Benzo (k) fluoranthene	1100		µg/kg wet	165	1670		66	40-130		
Benzoic acid	1390		µg/kg wet	165	1670		83	19.5-130		
Benzyl alcohol	1100		µg/kg wet	165	1670		66	40-130		
Bis(2-chloroethoxy)methane	1270		µg/kg wet	165	1670		76	40-130		
Bis(2-chloroethyl)ether	1400		µg/kg wet	165	1670		84	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
LCS (9010276-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Bis(2-chloroisopropyl)ether	1340		µg/kg wet	165	1670		81	40-130		
Bis(2-ethylhexyl)phthalate	1670		µg/kg wet	165	1670		100	40-130		
4-Bromophenyl phenyl ether	1280		µg/kg wet	165	1670		77	40-130		
Butyl benzyl phthalate	1660		µg/kg wet	165	1670		99	40-130		
Carbazole	1180		µg/kg wet	165	1670		71	40-130		
4-Chloro-3-methylphenol	1190		µg/kg wet	165	1670		71	40-130		
4-Chloroaniline	674		µg/kg wet	165	1670		40	40-130		
2-Chloronaphthalene	1150		µg/kg wet	165	1670		69	40-130		
2-Chlorophenol	1180		µg/kg wet	165	1670		71	40-130		
4-Chlorophenyl phenyl ether	1410		µg/kg wet	165	1670		85	40-130		
Chrysene	1460		µg/kg wet	165	1670		88	40-130		
Dibenzo (a,h) anthracene	1410		µg/kg wet	165	1670		85	40-130		
Dibenzofuran	1180		µg/kg wet	165	1670		71	40-130		
1,2-Dichlorobenzene	1150		µg/kg wet	165	1670		69	40-130		
1,3-Dichlorobenzene	1140		µg/kg wet	165	1670		69	40-130		
1,4-Dichlorobenzene	1110		µg/kg wet	165	1670		67	40-130		
3,3'-Dichlorobenzidine	1090		µg/kg wet	165	1670		65	40-130		
2,4-Dichlorophenol	1200		µg/kg wet	165	1670		72	40-130		
Diethyl phthalate	1400		µg/kg wet	165	1670		84	40-130		
Dimethyl phthalate	1420		µg/kg wet	165	1670		85	40-130		
2,4-Dimethylphenol	1100		µg/kg wet	165	1670		66	40-130		
Di-n-butyl phthalate	1370		µg/kg wet	165	1670		82	40-130		
4,6-Dinitro-2-methylphenol	1370		µg/kg wet	165	1670		82	40-130		
2,4-Dinitrophenol	1370		µg/kg wet	165	1670		82	40-130		
2,4-Dinitrotoluene	1340		µg/kg wet	165	1670		81	40-130		
2,6-Dinitrotoluene	1250		µg/kg wet	165	1670		75	40-130		
Di-n-octyl phthalate	1330		µg/kg wet	165	1670		80	40-130		
Fluoranthene	1220		µg/kg wet	165	1670		73	40-130		
Fluorene	1210		µg/kg wet	165	1670		72	40-130		
Hexachlorobenzene	1090		µg/kg wet	165	1670		66	40-130		
Hexachlorobutadiene	1090		µg/kg wet	165	1670		66	40-130		
Hexachlorocyclopentadiene	979		µg/kg wet	165	1670		59	40-130		
Hexachloroethane	1130		µg/kg wet	165	1670		68	40-130		
Indeno (1,2,3-cd) pyrene	1440		µg/kg wet	165	1670		86	40-130		
1-Methylnaphthalene	1270		µg/kg wet	165	1670		76	40-140		
Isophorone	1090		µg/kg wet	165	1670		65	40-130		
2-Methylnaphthalene	1150		µg/kg wet	165	1670		69	40-130		
2-Methylphenol	1130		µg/kg wet	165	1670		68	40-130		
3 & 4-Methylphenol	1290		µg/kg wet	165	1670		78	40-130		
Naphthalene	1180		µg/kg wet	165	1670		71	40-130		
2-Nitroaniline	1280		µg/kg wet	165	1670		77	40-130		
3-Nitroaniline	806		µg/kg wet	165	1670		48	40-130		
4-Nitroaniline	1160		µg/kg wet	660	1670		69	40-130		
Nitrobenzene	1090		µg/kg wet	165	1670		65	40-130		
2-Nitrophenol	1210		µg/kg wet	165	1670		72	40-130		
4-Nitrophenol	1500		µg/kg wet	660	1670		90	40-130		
N-Nitrosodimethylamine	1480		µg/kg wet	165	1670		89	40-130		
N-Nitrosodi-n-propylamine	1150		µg/kg wet	165	1670		69	40-130		
N-Nitrosodiphenylamine	1340		µg/kg wet	165	1670		81	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
LCS (9010276-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Pentachlorophenol	1290		µg/kg wet	165	1670		78	40-130		
Phenanthrene	1200		µg/kg wet	165	1670		72	40-130		
Phenol	1180		µg/kg wet	165	1670		71	40-130		
Pyrene	1460		µg/kg wet	165	1670		87	40-130		
Pyridine	204		µg/kg wet	165	1670		12	0-130		
1,2,4-Trichlorobenzene	1120		µg/kg wet	165	1670		67	40-130		
2,4,5-Trichlorophenol	1320		µg/kg wet	165	1670		79	40-130		
2,4,6-Trichlorophenol	1250		µg/kg wet	165	1670		75	40-130		
Pentachloronitrobenzene	1150		µg/kg wet	165	1670		69	40-140		
1,2,4,5-Tetrachlorobenzene	1110		µg/kg wet	165	1670		66	40-140		
Surrogate: 2-Fluorobiphenyl	*1180*		µg/kg wet		*1670*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*1160*		µg/kg wet		*1670*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*1150*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: Phenol-d5	*1050*		µg/kg wet		*1670*		*63*	*15-110*		
Surrogate: Terphenyl-d14	*1390*		µg/kg wet		*1670*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1250*		µg/kg wet		*1670*		*75*	*15-110*		
Duplicate (9010276-DUP1)	**Source: SA89494-05**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	BRL		µg/kg dry	352		BRL				50
Acenaphthylene	BRL		µg/kg dry	352		BRL				50
Aniline	BRL		µg/kg dry	352		BRL				50
Anthracene	BRL		µg/kg dry	352		BRL				50
Atrazine	BRL		µg/kg dry	352		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	352		BRL				50
Benzidine	BRL		µg/kg dry	352		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	352		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	352		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	352		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	352		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	352		BRL				50
Benzoic acid	BRL		µg/kg dry	352		BRL				50
Benzyl alcohol	BRL		µg/kg dry	352		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	352		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	352		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	352		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	352		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	352		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	352		BRL				50
Carbazole	BRL		µg/kg dry	352		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	352		BRL				50
4-Chloroaniline	BRL		µg/kg dry	352		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	352		BRL				50
2-Chlorophenol	BRL		µg/kg dry	352		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	352		BRL				50
Chrysene	BRL		µg/kg dry	352		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	352		BRL				50
Dibenzofuran	BRL		µg/kg dry	352		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	352		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	352		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	352		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Duplicate (9010276-DUP1) **Source: SA89494-05**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
3,3'-Dichlorobenzidine	BRL		µg/kg dry	352		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	352		BRL				50
Diethyl phthalate	BRL		µg/kg dry	352		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	352		BRL				50
2,4-Dimethylphenol	BRL		µg/kg dry	352		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	352		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	352		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	352		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	352		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	352		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	352		BRL				50
Fluoranthene	BRL		µg/kg dry	352		BRL				50
Fluorene	BRL		µg/kg dry	352		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	352		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	352		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	352		BRL				50
Hexachloroethane	BRL		µg/kg dry	352		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	352		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	352		BRL				50
Isophorone	BRL		µg/kg dry	352		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	352		BRL				50
2-Methylphenol	BRL		µg/kg dry	352		BRL				50
3 & 4-Methylphenol	BRL		µg/kg dry	352		BRL				50
Naphthalene	BRL		µg/kg dry	352		BRL				50
2-Nitroaniline	BRL		µg/kg dry	352		BRL				50
3-Nitroaniline	BRL		µg/kg dry	352		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1410		BRL				50
Nitrobenzene	BRL		µg/kg dry	352		BRL				50
2-Nitrophenol	BRL		µg/kg dry	352		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1410		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	352		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	352		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	352		BRL				50
Pentachlorophenol	BRL		µg/kg dry	352		BRL				50
Phenanthrene	BRL		µg/kg dry	352		BRL				50
Phenol	BRL		µg/kg dry	352		BRL				50
Pyrene	BRL		µg/kg dry	352		BRL				50
Pyridine	BRL		µg/kg dry	352		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	352		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	352		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	352		BRL				50
Pentachloronitrobenzene	BRL		µg/kg dry	352		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/kg dry	352		BRL				50
Surrogate: 2-Fluorobiphenyl	*1120*		µg/kg dry		*1780*		*63*	*30-130*		
Surrogate: 2-Fluorophenol	*1220*		µg/kg dry		*1780*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*1050*		µg/kg dry		*1780*		*59*	*30-130*		
Surrogate: Phenol-d5	*1090*		µg/kg dry		*1780*		*62*	*15-110*		
Surrogate: Terphenyl-d14	*1340*		µg/kg dry		*1780*		*75*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1120*		µg/kg dry		*1780*		*63*	*15-110*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010276 - SW846 3550B										
Matrix Spike (9010276-MS1)	**Source: SA89494-05**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1320		µg/kg dry	177	1790	BRL	74	40-140		
Benzo (b) fluoranthene	1380		µg/kg dry	177	1790	BRL	77	40-140		
Benzo (k) fluoranthene	1330		µg/kg dry	177	1790	BRL	74	40-140		
4-Chloro-3-methylphenol	1230		µg/kg dry	177	1790	BRL	69	30-130		
2-Chlorophenol	1250		µg/kg dry	177	1790	BRL	70	30-130		
Chrysene	1520		µg/kg dry	177	1790	BRL	85	40-140		
1,4-Dichlorobenzene	1180		µg/kg dry	177	1790	BRL	66	40-140		
Indeno (1,2,3-cd) pyrene	1380		µg/kg dry	177	1790	BRL	77	40-140		
Naphthalene	1230		µg/kg dry	177	1790	BRL	69	40-140		
4-Nitrophenol	1300		µg/kg dry	708	1790	BRL	73	30-130		
N-Nitrosodi-n-propylamine	1170		µg/kg dry	177	1790	BRL	65	40-140		
Pentachlorophenol	1270		µg/kg dry	177	1790	BRL	71	30-130		
Phenol	1250		µg/kg dry	177	1790	BRL	70	30-130		
Pyrene	1580		µg/kg dry	177	1790	BRL	88	40-140		
1,2,4-Trichlorobenzene	1170		µg/kg dry	177	1790	BRL	65	40-140		
Surrogate: 2-Fluorobiphenyl	*1120*		µg/kg dry		*1790*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*1090*		µg/kg dry		*1790*		*61*	*15-110*		
Surrogate: Nitrobenzene-d5	*1110*		µg/kg dry		*1790*		*62*	*30-130*		
Surrogate: Phenol-d5	*1010*		µg/kg dry		*1790*		*56*	*15-110*		
Surrogate: Terphenyl-d14	*1270*		µg/kg dry		*1790*		*71*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1170*		µg/kg dry		*1790*		*65*	*15-110*		
Matrix Spike Dup (9010276-MSD1)	**Source: SA89494-05**									
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
Acenaphthene	1450		µg/kg dry	177	1790	BRL	81	40-140	9	30
Benzo (b) fluoranthene	1500		µg/kg dry	177	1790	BRL	84	40-140	9	30
Benzo (k) fluoranthene	1460		µg/kg dry	177	1790	BRL	82	40-140	9	30
4-Chloro-3-methylphenol	1340		µg/kg dry	177	1790	BRL	75	30-130	9	30
2-Chlorophenol	1340		µg/kg dry	177	1790	BRL	75	30-130	7	30
Chrysene	1660		µg/kg dry	177	1790	BRL	93	40-140	9	30
1,4-Dichlorobenzene	1250		µg/kg dry	177	1790	BRL	70	40-140	6	30
Indeno (1,2,3-cd) pyrene	1490		µg/kg dry	177	1790	BRL	83	40-140	7	30
Naphthalene	1320		µg/kg dry	177	1790	BRL	74	40-140	7	30
4-Nitrophenol	1560		µg/kg dry	707	1790	BRL	87	30-130	18	30
N-Nitrosodi-n-propylamine	1240		µg/kg dry	177	1790	BRL	69	40-140	6	30
Pentachlorophenol	1430		µg/kg dry	177	1790	BRL	80	30-130	12	30
Phenol	1340		µg/kg dry	177	1790	BRL	75	30-130	7	30
Pyrene	1710		µg/kg dry	177	1790	BRL	96	40-140	8	30
1,2,4-Trichlorobenzene	1270		µg/kg dry	177	1790	BRL	71	40-140	8	30
Surrogate: 2-Fluorobiphenyl	*1230*		µg/kg dry		*1790*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*1180*		µg/kg dry		*1790*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*1200*		µg/kg dry		*1790*		*67*	*30-130*		
Surrogate: Phenol-d5	*1080*		µg/kg dry		*1790*		*61*	*15-110*		
Surrogate: Terphenyl-d14	*1390*		µg/kg dry		*1790*		*78*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1280*		µg/kg dry		*1790*		*72*	*15-110*		
Batch 9010589 - SW846 3535										
Blank (9010589-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	0.200						
Aniline	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
Blank (9010589-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.200						
Benzo (a) pyrene	BRL		µg/l	0.200						
Benzo (b) fluoranthene	BRL		µg/l	0.200						
Benzo (g,h,i) perytene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.200						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3´-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	1.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	3.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
Blank (9010589-BLK1)										
Prepared & Analyzed: 12-Jan-09										
2-Methylphenol	BRL		µg/l	5.00						
3 & 4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	5.00						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	5.00						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	5.00						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Pentachloronitrobenzene	BRL		µg/l	5.00						
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*107*		µg/l		*200*		*53*	*30-130*		
Surrogate: 2-Fluorophenol	*119*		µg/l		*200*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*102*		µg/l		*200*		*51*	*30-130*		
Surrogate: Phenol-d5	*108*		µg/l		*200*		*54*	*15-110*		
Surrogate: Terphenyl-d14	*125*		µg/l		*200*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*110*		µg/l		*200*		*55*	*15-110*		
LCS (9010589-BS1)										
Prepared & Analyzed: 12-Jan-09										
Acenaphthene	168		µg/l	5.00	200		84	40-140		
Acenaphthylene	163		µg/l	0.200	200		82	40-140		
Aniline	101		µg/l	5.00	200		50	40-140		
Anthracene	158		µg/l	5.00	200		79	40-140		
Atrazine	116		µg/l	5.00	200		58	40-140		
Azobenzene/Diphenyldiazine	170		µg/l	5.00	200		85	40-140		
Benzidine	5.68	QC2	µg/l	5.00	200		3	40-140		
Benzo (a) anthracene	190		µg/l	0.200	200		95	40-140		
Benzo (a) pyrene	162		µg/l	0.200	200		81	40-140		
Benzo (b) fluoranthene	163		µg/l	0.200	200		81	40-140		
Benzo (g,h,i) perylene	184		µg/l	5.00	200		92	40-140		
Benzo (k) fluoranthene	155		µg/l	0.200	200		78	40-140		
Benzoic acid	129		µg/l	5.00	200		64	30-130		
Benzyl alcohol	146		µg/l	5.00	200		73	40-140		
Bis(2-chloroethoxy)methane	176		µg/l	5.00	200		88	40-140		
Bis(2-chloroethyl)ether	195		µg/l	5.00	200		97	40-140		
Bis(2-chloroisopropyl)ether	188		µg/l	5.00	200		94	40-140		
Bis(2-ethylhexyl)phthalate	229		µg/l	2.00	200		115	40-140		
4-Bromophenyl phenyl ether	168		µg/l	5.00	200		84	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
LCS (9010589-BS1)										
Prepared & Analyzed: 12-Jan-09										
Butyl benzyl phthalate	221		µg/l	5.00	200		111	40-140		
Carbazole	157		µg/l	5.00	200		79	40-140		
4-Chloro-3-methylphenol	161		µg/l	5.00	200		80	30-130		
4-Chloroaniline	116		µg/l	5.00	200		58	40-140		
2-Chloronaphthalene	153		µg/l	5.00	200		76	40-140		
2-Chlorophenol	156		µg/l	5.00	200		78	30-130		
4-Chlorophenyl phenyl ether	186		µg/l	5.00	200		93	40-140		
Chrysene	200		µg/l	5.00	200		100	40-140		
Dibenzo (a,h) anthracene	181		µg/l	5.00	200		91	40-140		
Dibenzofuran	157		µg/l	5.00	200		78	40-140		
1,2-Dichlorobenzene	146		µg/l	5.00	200		73	40-140		
1,3-Dichlorobenzene	147		µg/l	5.00	200		74	40-140		
1,4-Dichlorobenzene	149		µg/l	5.00	200		74	40-140		
3,3'-Dichlorobenzidine	155		µg/l	5.00	200		78	40-140		
2,4-Dichlorophenol	157		µg/l	5.00	200		78	30-130		
Diethyl phthalate	186		µg/l	5.00	200		93	40-140		
Dimethyl phthalate	189		µg/l	5.00	200		95	40-140		
2,4-Dimethylphenol	157		µg/l	5.00	200		79	30-130		
Di-n-butyl phthalate	184		µg/l	5.00	200		92	40-140		
4,6-Dinitro-2-methylphenol	180		µg/l	5.00	200		90	30-130		
2,4-Dinitrophenol	163		µg/l	5.00	200		82	30-130		
2,4-Dinitrotoluene	175		µg/l	5.00	200		87	40-140		
2,6-Dinitrotoluene	163		µg/l	5.00	200		82	40-140		
Di-n-octyl phthalate	177		µg/l	5.00	200		88	40-140		
Fluoranthene	156		µg/l	5.00	200		78	40-140		
Fluorene	158		µg/l	5.00	200		79	40-140		
Hexachlorobenzene	140		µg/l	1.00	200		70	40-140		
Hexachlorobutadiene	143		µg/l	5.00	200		71	40-140		
Hexachlorocyclopentadiene	125		µg/l	5.00	200		63	40-140		
Hexachloroethane	152		µg/l	3.00	200		76	40-140		
Indeno (1,2,3-cd) pyrene	193		µg/l	5.00	200		96	40-140		
Isophorone	149		µg/l	5.00	200		75	40-140		
2-Methylnaphthalene	162		µg/l	5.00	200		81	40-140		
2-Methylphenol	148		µg/l	5.00	200		74	40-140		
3 & 4-Methylphenol	173		µg/l	10.0	200		86	40-130		
Naphthalene	156		µg/l	5.00	200		78	40-140		
2-Nitroaniline	170		µg/l	5.00	200		85	40-140		
3-Nitroaniline	122		µg/l	5.00	200		61	40-140		
4-Nitroaniline	159		µg/l	5.00	200		80	40-140		
Nitrobenzene	151		µg/l	5.00	200		75	40-140		
2-Nitrophenol	156		µg/l	5.00	200		78	30-130		
4-Nitrophenol	172		µg/l	5.00	200		86	30-130		
N-Nitrosodimethylamine	188		µg/l	5.00	200		94	40-140		
N-Nitrosodi-n-propylamine	169		µg/l	5.00	200		84	40-140		
N-Nitrosodiphenylamine	181		µg/l	5.00	200		91	40-140		
Pentachlorophenol	156		µg/l	5.00	200		78	30-130		
Phenanthrene	161		µg/l	5.00	200		81	40-140		
Phenol	155		µg/l	5.00	200		77	30-130		
Pyrene	195		µg/l	5.00	200		97	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
LCS (9010589-BS1)										
Prepared & Analyzed: 12-Jan-09										
Pyridine	58.1	QC2	µg/l	5.00	200		29	40-140		
1-Methylnaphthalene	166		µg/l	5.00	200		83	40-140		
1,2,4-Trichlorobenzene	144		µg/l	5.00	200		72	40-140		
2,4,5-Trichlorophenol	156		µg/l	5.00	200		78	30-130		
2,4,6-Trichlorophenol	152		µg/l	5.00	200		76	30-130		
Pentachloronitrobenzene	156		µg/l	5.00	200		78	40-140		
1,2,4,5-Tetrachlorobenzene	145		µg/l	5.00	200		72	40-140		
Surrogate: 2-Fluorobiphenyl	*134*		µg/l		*200*		*67*	*30-130*		
Surrogate: 2-Fluorophenol	*126*		µg/l		*200*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*136*		µg/l		*200*		*68*	*30-130*		
Surrogate: Phenol-d5	*116*		µg/l		*200*		*58*	*15-110*		
Surrogate: Terphenyl-d14	*145*		µg/l		*200*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*130*		µg/l		*200*		*65*	*15-110*		
Duplicate (9010589-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										
Acenaphthene	BRL		µg/l	5.00		BRL				50
Acenaphthylene	BRL		µg/l	0.200		BRL				50
Aniline	BRL		µg/l	5.00		BRL				50
Anthracene	BRL		µg/l	5.00		BRL				50
Atrazine	BRL		µg/l	5.00		BRL				50
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00		BRL				50
Benzidine	BRL		µg/l	5.00		BRL				50
Benzo (a) anthracene	BRL		µg/l	0.200		BRL				50
Benzo (a) pyrene	BRL		µg/l	0.200		BRL				50
Benzo (b) fluoranthene	BRL		µg/l	0.200		BRL				50
Benzo (g,h,i) perylene	BRL		µg/l	5.00		BRL				50
Benzo (k) fluoranthene	BRL		µg/l	0.200		BRL				50
Benzoic acid	BRL		µg/l	5.00		BRL				50
Benzyl alcohol	BRL		µg/l	5.00		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/l	5.00		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/l	5.00		BRL				50
Butyl benzyl phthalate	BRL		µg/l	5.00		BRL				50
Carbazole	BRL		µg/l	5.00		BRL				50
4-Chloro-3-methylphenol	BRL		µg/l	5.00		BRL				50
4-Chloroaniline	BRL		µg/l	5.00		BRL				50
2-Chloronaphthalene	BRL		µg/l	5.00		BRL				50
2-Chlorophenol	BRL		µg/l	5.00		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00		BRL				50
Chrysene	BRL		µg/l	5.00		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/l	5.00		BRL				50
Dibenzofuran	BRL		µg/l	5.00		BRL				50
1,2-Dichlorobenzene	BRL		µg/l	5.00		BRL				50
1,3-Dichlorobenzene	BRL		µg/l	5.00		BRL				50
1,4-Dichlorobenzene	BRL		µg/l	5.00		BRL				50
3,3'-Dichlorobenzidine	BRL		µg/l	5.00		BRL				50
2,4-Dichlorophenol	BRL		µg/l	5.00		BRL				50
Diethyl phthalate	BRL		µg/l	5.00		BRL				50

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010589 - SW846 3535										
Duplicate (9010589-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										
Dimethyl phthalate	BRL		µg/l	5.00		BRL				50
2,4-Dimethylphenol	BRL		µg/l	5.00		BRL				50
Di-n-butyl phthalate	BRL		µg/l	5.00		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00		BRL				50
2,4-Dinitrophenol	BRL		µg/l	5.00		BRL				50
2,4-Dinitrotoluene	BRL		µg/l	5.00		BRL				50
2,6-Dinitrotoluene	BRL		µg/l	5.00		BRL				50
Di-n-octyl phthalate	BRL		µg/l	5.00		BRL				50
Fluoranthene	BRL		µg/l	5.00		BRL				50
Fluorene	BRL		µg/l	5.00		BRL				50
Hexachlorobenzene	BRL		µg/l	1.00		BRL				50
Hexachlorobutadiene	BRL		µg/l	5.00		BRL				50
Hexachlorocyclopentadiene	BRL		µg/l	5.00		BRL				50
Hexachloroethane	BRL		µg/l	3.00		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00		BRL				50
Isophorone	BRL		µg/l	5.00		BRL				50
2-Methylnaphthalene	BRL		µg/l	5.00		BRL				50
2-Methylphenol	BRL		µg/l	5.00		BRL				50
3 & 4-Methylphenol	BRL		µg/l	10.0		BRL				50
Naphthalene	BRL		µg/l	5.00		BRL				50
2-Nitroaniline	BRL		µg/l	5.00		BRL				50
3-Nitroaniline	BRL		µg/l	5.00		BRL				50
4-Nitroaniline	BRL		µg/l	5.00		BRL				50
Nitrobenzene	BRL		µg/l	5.00		BRL				50
2-Nitrophenol	BRL		µg/l	5.00		BRL				50
4-Nitrophenol	BRL		µg/l	5.00		BRL				50
N-Nitrosodimethylamine	BRL		µg/l	5.00		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00		BRL				50
N-Nitrosodiphenylamine	BRL		µg/l	5.00		BRL				50
Pentachlorophenol	BRL		µg/l	5.00		BRL				50
Phenanthrene	BRL		µg/l	5.00		BRL				50
Phenol	BRL		µg/l	5.00		BRL				50
Pyrene	BRL		µg/l	5.00		BRL				50
Pyridine	BRL		µg/l	5.00		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/l	5.00		BRL				50
1-Methylnaphthalene	BRL		µg/l	5.00		BRL				50
2,4,5-Trichlorophenol	BRL		µg/l	5.00		BRL				50
2,4,6-Trichlorophenol	BRL		µg/l	5.00		BRL				50
Pentachloronitrobenzene	BRL		µg/l	5.00		BRL				50
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00		BRL				50
Surrogate: 2-Fluorobiphenyl	*129*		µg/l		*200*		*64*	*30-130*		
Surrogate: 2-Fluorophenol	*149*		µg/l		*200*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*126*		µg/l		*200*		*63*	*30-130*		
Surrogate: Phenol-d5	*130*		µg/l		*200*		*65*	*15-110*		
Surrogate: Terphenyl-dl4	*153*		µg/l		*200*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*135*		µg/l		*200*		*67*	*15-110*		
Batch 9010683 - SW846 3535										
Blank (9010683-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010683 - SW846 3535										
Blank (9010683-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthylene	BRL		µg/l	0.200						
Aniline	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	0.200						
Benzo (a) pyrene	BRL		µg/l	0.200						
Benzo (b) fluoranthene	BRL		µg/l	0.200						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	0.200						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	2.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3´-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	1.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	3.00						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010683 - SW846 3535										
Blank (9010683-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylphenol	BRL		µg/l	5.00						
3 & 4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	5.00						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	5.00						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	5.00						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Pentachloronitrobenzene	BRL		µg/l	5.00						
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*71.2*		µg/l		*200*		*36*	*30-130*		
Surrogate: 2-Fluorophenol	*50.8*		µg/l		*200*		*25*	*15-110*		
Surrogate: Nitrobenzene-d5	*72.2*		µg/l		*200*		*36*	*30-130*		
Surrogate: Phenol-d5	*32.3*		µg/l		*200*		*16*	*15-110*		
Surrogate: Terphenyl-dl4	*87.3*		µg/l		*200*		*44*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*80.2*		µg/l		*200*		*40*	*15-110*		
LCS (9010683-BS1)										
Prepared & Analyzed: 13-Jan-09										
Acenaphthene	155		µg/l	5.00	200		78	40-140		
Acenaphthylene	148		µg/l	0.200	200		74	40-140		
Aniline	76.0	QC2	µg/l	5.00	200		38	40-140		
Anthracene	152		µg/l	5.00	200		76	40-140		
Atrazine	104		µg/l	5.00	200		52	40-140		
Azobenzene/Diphenyldiazine	160		µg/l	5.00	200		80	40-140		
Benzidine	BRL	QC2	µg/l	5.00	200			40-140		
Benzo (a) anthracene	175		µg/l	0.200	200		87	40-140		
Benzo (a) pyrene	149		µg/l	0.200	200		75	40-140		
Benzo (b) fluoranthene	147		µg/l	0.200	200		74	40-140		
Benzo (g,h,i) perylene	159		µg/l	5.00	200		79	40-140		
Benzo (k) fluoranthene	148		µg/l	0.200	200		74	40-140		
Benzoic acid	55.1	QC2	µg/l	5.00	200		28	30-130		
Benzyl alcohol	126		µg/l	5.00	200		63	40-140		
Bis(2-chloroethoxy)methane	161		µg/l	5.00	200		81	40-140		
Bis(2-chloroethyl)ether	192		µg/l	5.00	200		96	40-140		
Bis(2-chloroisopropyl)ether	166		µg/l	5.00	200		83	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010683 - SW846 3535										
LCS (9010683-BS1)										
Prepared & Analyzed: 13-Jan-09										
Bis(2-ethylhexyl)phthalate	212		µg/l	2.00	200		106	40-140		
4-Bromophenyl phenyl ether	162		µg/l	5.00	200		81	40-140		
Butyl benzyl phthalate	210		µg/l	5.00	200		105	40-140		
Carbazole	151		µg/l	5.00	200		75	40-140		
4-Chloro-3-methylphenol	154		µg/l	5.00	200		77	30-130		
4-Chloroaniline	96.0		µg/l	5.00	200		48	40-140		
2-Chloronaphthalene	138		µg/l	5.00	200		69	40-140		
2-Chlorophenol	133		µg/l	5.00	200		67	30-130		
4-Chlorophenyl phenyl ether	174		µg/l	5.00	200		87	40-140		
Chrysene	181		µg/l	5.00	200		91	40-140		
Dibenzo (a,h) anthracene	161		µg/l	5.00	200		81	40-140		
Dibenzofuran	145		µg/l	5.00	200		73	40-140		
1,2-Dichlorobenzene	124		µg/l	5.00	200		62	40-140		
1,3-Dichlorobenzene	119		µg/l	5.00	200		60	40-140		
1,4-Dichlorobenzene	138		µg/l	5.00	200		69	40-140		
3,3´-Dichlorobenzidine	128		µg/l	5.00	200		64	40-140		
2,4-Dichlorophenol	96.8		µg/l	5.00	200		48	30-130		
Diethyl phthalate	181		µg/l	5.00	200		90	40-140		
Dimethyl phthalate	179		µg/l	5.00	200		89	40-140		
2,4-Dimethylphenol	134		µg/l	5.00	200		67	30-130		
Di-n-butyl phthalate	179		µg/l	5.00	200		89	40-140		
4,6-Dinitro-2-methylphenol	173		µg/l	5.00	200		87	30-130		
2,4-Dinitrophenol	164		µg/l	5.00	200		82	30-130		
2,4-Dinitrotoluene	165		µg/l	5.00	200		82	40-140		
2,6-Dinitrotoluene	159		µg/l	5.00	200		80	40-140		
Di-n-octyl phthalate	167		µg/l	5.00	200		84	40-140		
Fluoranthene	152		µg/l	5.00	200		76	40-140		
Fluorene	148		µg/l	5.00	200		74	40-140		
Hexachlorobenzene	136		µg/l	1.00	200		68	40-140		
Hexachlorobutadiene	125		µg/l	5.00	200		63	40-140		
Hexachlorocyclopentadiene	122		µg/l	5.00	200		61	40-140		
Hexachloroethane	130		µg/l	3.00	200		65	40-140		
Indeno (1,2,3-cd) pyrene	165		µg/l	5.00	200		82	40-140		
Isophorone	139		µg/l	5.00	200		70	40-140		
2-Methylnaphthalene	152		µg/l	5.00	200		76	40-140		
2-Methylphenol	123		µg/l	5.00	200		61	40-140		
3 & 4-Methylphenol	136		µg/l	10.0	200		68	40-130		
Naphthalene	135		µg/l	5.00	200		68	40-140		
2-Nitroaniline	157		µg/l	5.00	200		79	40-140		
3-Nitroaniline	117		µg/l	5.00	200		58	40-140		
4-Nitroaniline	152		µg/l	5.00	200		76	40-140		
Nitrobenzene	125		µg/l	5.00	200		63	40-140		
2-Nitrophenol	139		µg/l	5.00	200		70	30-130		
4-Nitrophenol	92.7		µg/l	5.00	200		46	30-130		
N-Nitrosodimethylamine	119		µg/l	5.00	200		60	40-140		
N-Nitrosodi-n-propylamine	167		µg/l	5.00	200		84	40-140		
N-Nitrosodiphenylamine	172		µg/l	5.00	200		86	40-140		
Pentachlorophenol	147		µg/l	5.00	200		74	30-130		
Phenanthrene	152		µg/l	5.00	200		76	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010683 - SW846 3535										
LCS (9010683-BS1)										
Prepared & Analyzed: 13-Jan-09										
Phenol	74.4		µg/l	5.00	200		37	30-130		
Pyrene	184		µg/l	5.00	200		92	40-140		
Pyridine	64.8	QC2	µg/l	5.00	200		32	40-140		
1,2,4-Trichlorobenzene	128		µg/l	5.00	200		64	40-140		
1-Methylnaphthalene	147		µg/l	5.00	200		74	40-140		
2,4,5-Trichlorophenol	148		µg/l	5.00	200		74	30-130		
2,4,6-Trichlorophenol	144		µg/l	5.00	200		72	30-130		
Pentachloronitrobenzene	146		µg/l	5.00	200		73	40-140		
1,2,4,5-Tetrachlorobenzene	129		µg/l	5.00	200		64	40-140		
Surrogate: 2-Fluorobiphenyl	*144*		µg/l		*200*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*91.1*		µg/l		*200*		*46*	*15-110*		
Surrogate: Nitrobenzene-d5	*144*		µg/l		*200*		*72*	*30-130*		
Surrogate: Phenol-d5	*57.0*		µg/l		*200*		*28*	*15-110*		
Surrogate: Terphenyl-dl4	*167*		µg/l		*200*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*153*		µg/l		*200*		*77*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010280 - SW846 3550B										
Blank (9010280-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
LCS (9010280-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	232		µg/kg wet	20.0	250		93	40-140		
PCB 1260	246		µg/kg wet	20.0	250		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.2*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (9010280-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	242		µg/kg wet	20.0	250		97	40-140	4	30
PCB 1260	252		µg/kg wet	20.0	250		101	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.3*		µg/kg wet		*20.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Duplicate (9010280-DUP1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	BRL		µg/kg dry	22.0		BRL				40
PCB 1221	BRL		µg/kg dry	22.0		BRL				40
PCB 1232	BRL		µg/kg dry	22.0		BRL				40
PCB 1242	BRL		µg/kg dry	22.0		BRL				40
PCB 1248	BRL		µg/kg dry	22.0		BRL				40
PCB 1254	BRL		µg/kg dry	22.0		BRL				40
PCB 1260	BRL		µg/kg dry	22.0		BRL				40
PCB 1262	BRL		µg/kg dry	22.0		BRL				40
PCB 1268	BRL		µg/kg dry	22.0		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg dry		*22.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.3*		µg/kg dry		*22.0*		*96*	*30-150*		
Matrix Spike (9010280-MS1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	267		µg/kg dry	21.5	269	BRL	99	40-140		
PCB 1260	282		µg/kg dry	21.5	269	BRL	105	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg dry		*21.5*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.7*		µg/kg dry		*21.5*		*91*	*30-150*		
Matrix Spike Dup (9010280-MSD1) **Source: SA89494-01**										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
PCB 1016	246		µg/kg dry	21.5	269	BRL	92	40-140	8	50
PCB 1260	294		µg/kg dry	21.5	269	BRL	109	40-140	4	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg dry		*21.5*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.2*		µg/kg dry		*21.5*		*84*	*30-150*		
Batch 9010281 - SW846 3550B										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
Blank (9010281-BLK1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
alpha-BHC	BRL		µg/kg wet	10.0						
alpha-BHC [2C]	BRL		µg/kg wet	10.0						
beta-BHC	BRL		µg/kg wet	10.0						
beta-BHC [2C]	BRL		µg/kg wet	10.0						
delta-BHC	BRL		µg/kg wet	10.0						
delta-BHC [2C]	BRL		µg/kg wet	10.0						
gamma-BHC (Lindane)	BRL		µg/kg wet	10.0						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	10.0						
Heptachlor	BRL		µg/kg wet	10.0						
Heptachlor [2C]	BRL		µg/kg wet	10.0						
Aldrin	BRL		µg/kg wet	10.0						
Aldrin [2C]	BRL		µg/kg wet	10.0						
Heptachlor epoxide	BRL		µg/kg wet	10.0						
Heptachlor epoxide [2C]	BRL		µg/kg wet	10.0						
Endosulfan I	BRL		µg/kg wet	10.0						
Endosulfan I [2C]	BRL		µg/kg wet	10.0						
Dieldrin	BRL		µg/kg wet	10.0						
Dieldrin [2C]	BRL		µg/kg wet	10.0						
4,4'-DDE (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	10.0						
Endrin	BRL		µg/kg wet	10.0						
Endrin [2C]	BRL		µg/kg wet	10.0						
Endosulfan II	BRL		µg/kg wet	10.0						
Endosulfan II [2C]	BRL		µg/kg wet	10.0						
4,4'-DDD (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	10.0						
Endosulfan sulfate	BRL		µg/kg wet	10.0						
Endosulfan sulfate [2C]	BRL		µg/kg wet	10.0						
4,4'-DDT (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	10.0						
Methoxychlor	BRL		µg/kg wet	10.0						
Methoxychlor [2C]	BRL		µg/kg wet	10.0						
Endrin ketone	BRL		µg/kg wet	10.0						
Endrin ketone [2C]	BRL		µg/kg wet	10.0						
Endrin aldehyde	BRL		µg/kg wet	10.0						
Endrin aldehyde [2C]	BRL		µg/kg wet	10.0						
alpha-Chlordane	BRL		µg/kg wet	10.0						
alpha-Chlordane [2C]	BRL		µg/kg wet	10.0						
gamma-Chlordane	BRL		µg/kg wet	10.0						
gamma-Chlordane [2C]	BRL		µg/kg wet	10.0						
Toxaphene	BRL		µg/kg wet	50.1						
Toxaphene [2C]	BRL		µg/kg wet	50.1						
Chlordane	BRL		µg/kg wet	50.1						
Chlordane [2C]	BRL		µg/kg wet	50.1						
Alachlor	BRL		µg/kg wet	20.0						
Alachlor [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.8*		µg/kg wet		*20.0*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.3*		µg/kg wet		*20.0*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.1*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.7*		µg/kg wet		*20.0*		*79*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
LCS (9010281-BS1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
alpha-BHC	15.5		µg/kg wet	10.0	20.0		77	40-140		
alpha-BHC [2C]	15.5		µg/kg wet	10.0	20.0		77	40-140		
beta-BHC	18.0		µg/kg wet	10.0	20.0		90	40-140		
beta-BHC [2C]	16.2		µg/kg wet	10.0	20.0		81	40-140		
delta-BHC	15.4		µg/kg wet	10.0	20.0		77	40-140		
delta-BHC [2C]	13.9		µg/kg wet	10.0	20.0		69	40-140		
gamma-BHC (Lindane)	16.2		µg/kg wet	10.0	20.0		81	50-120		
gamma-BHC (Lindane) [2C]	15.0		µg/kg wet	10.0	20.0		75	50-120		
Heptachlor	16.0		µg/kg wet	10.0	20.0		80	40-140		
Heptachlor [2C]	16.2		µg/kg wet	10.0	20.0		81	40-140		
Aldrin	15.4		µg/kg wet	10.0	20.0		77	40-140		
Aldrin [2C]	14.9		µg/kg wet	10.0	20.0		74	40-140		
Heptachlor epoxide	15.8		µg/kg wet	10.0	20.0		79	50-150		
Heptachlor epoxide [2C]	14.8		µg/kg wet	10.0	20.0		74	50-150		
Endosulfan I	15.4		µg/kg wet	10.0	20.0		77	40-140		
Endosulfan I [2C]	14.6		µg/kg wet	10.0	20.0		73	40-140		
Dieldrin	16.0		µg/kg wet	10.0	20.0		80	30-130		
Dieldrin [2C]	14.4		µg/kg wet	10.0	20.0		72	30-130		
4,4'-DDE (p,p')	16.2		µg/kg wet	10.0	20.0		81	50-150		
4,4'-DDE (p,p') [2C]	14.5		µg/kg wet	10.0	20.0		72	50-150		
Endrin	15.9		µg/kg wet	10.0	20.0		80	50-120		
Endrin [2C]	15.0		µg/kg wet	10.0	20.0		75	50-120		
Endosulfan II	16.1		µg/kg wet	10.0	20.0		81	40-140		
Endosulfan II [2C]	15.0		µg/kg wet	10.0	20.0		75	40-140		
4,4'-DDD (p,p')	16.2		µg/kg wet	10.0	20.0		81	40-140		
4,4'-DDD (p,p') [2C]	14.4		µg/kg wet	10.0	20.0		72	40-140		
Endosulfan sulfate	15.2		µg/kg wet	10.0	20.0		76	50-120		
Endosulfan sulfate [2C]	14.0		µg/kg wet	10.0	20.0		70	50-120		
4,4'-DDT (p,p')	15.7		µg/kg wet	10.0	20.0		79	40-140		
4,4'-DDT (p,p') [2C]	14.0		µg/kg wet	10.0	20.0		70	40-140		
Methoxychlor	18.0		µg/kg wet	10.0	20.0		90	40-140		
Methoxychlor [2C]	16.1		µg/kg wet	10.0	20.0		81	40-140		
Endrin ketone	15.6		µg/kg wet	10.0	20.0		78	40-140		
Endrin ketone [2C]	14.6		µg/kg wet	10.0	20.0		73	40-140		
Endrin aldehyde	16.8		µg/kg wet	10.0	20.0		84	40-140		
Endrin aldehyde [2C]	13.5		µg/kg wet	10.0	20.0		68	40-140		
alpha-Chlordane	16.7		µg/kg wet	10.0	20.0		84	40-140		
alpha-Chlordane [2C]	14.0		µg/kg wet	10.0	20.0		70	40-140		
gamma-Chlordane	16.2		µg/kg wet	10.0	20.0		81	30-130		
gamma-Chlordane [2C]	14.7		µg/kg wet	10.0	20.0		73	30-130		
Alachlor	16.2		µg/kg wet	20.0	20.0		81	40-140		
Alachlor [2C]	16.6		µg/kg wet	20.0	20.0		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.4*		µg/kg wet		*20.0*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg wet		*20.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.8*		µg/kg wet		*20.0*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.3*		µg/kg wet		*20.0*		*72*	*30-150*		
LCS Dup (9010281-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
alpha-BHC	15.9		µg/kg wet	10.0	20.0		80	40-140	3	30
alpha-BHC [2C]	15.0		µg/kg wet	10.0	20.0		75	40-140	3	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
LCS Dup (9010281-BSD1)										
Prepared: 07-Jan-09 Analyzed: 09-Jan-09										
beta-BHC	16.9		µg/kg wet	10.0	20.0		84	40-140	6	30
beta-BHC [2C]	16.1		µg/kg wet	10.0	20.0		80	40-140	1	30
delta-BHC	15.0		µg/kg wet	10.0	20.0		75	40-140	2	30
delta-BHC [2C]	14.1		µg/kg wet	10.0	20.0		70	40-140	1	30
gamma-BHC (Lindane)	16.2		µg/kg wet	10.0	20.0		81	50-120	0.01	30
gamma-BHC (Lindane) [2C]	15.1		µg/kg wet	10.0	20.0		75	50-120	0.7	30
Heptachlor	15.9		µg/kg wet	10.0	20.0		80	40-140	0.6	30
Heptachlor [2C]	15.6		µg/kg wet	10.0	20.0		78	40-140	4	30
Aldrin	15.5		µg/kg wet	10.0	20.0		77	40-140	0.5	30
Aldrin [2C]	15.6		µg/kg wet	10.0	20.0		78	40-140	5	30
Heptachlor epoxide	15.9		µg/kg wet	10.0	20.0		79	50-150	0.3	30
Heptachlor epoxide [2C]	15.6		µg/kg wet	10.0	20.0		78	50-150	6	30
Endosulfan I	16.0		µg/kg wet	10.0	20.0		80	40-140	4	30
Endosulfan I [2C]	15.7		µg/kg wet	10.0	20.0		79	40-140	8	30
Dieldrin	15.6		µg/kg wet	10.0	20.0		78	30-130	2	30
Dieldrin [2C]	15.5		µg/kg wet	10.0	20.0		78	30-130	7	30
4,4'-DDE (p,p')	16.0		µg/kg wet	10.0	20.0		80	50-150	1	30
4,4'-DDE (p,p') [2C]	15.9		µg/kg wet	10.0	20.0		79	50-150	9	30
Endrin	15.9		µg/kg wet	10.0	20.0		80	50-120	0.1	30
Endrin [2C]	15.8		µg/kg wet	10.0	20.0		79	50-120	5	30
Endosulfan II	15.7		µg/kg wet	10.0	20.0		79	40-140	2	30
Endosulfan II [2C]	16.3		µg/kg wet	10.0	20.0		81	40-140	8	30
4,4'-DDD (p,p')	15.6		µg/kg wet	10.0	20.0		78	40-140	4	30
4,4'-DDD (p,p') [2C]	16.0		µg/kg wet	10.0	20.0		80	40-140	10	30
Endosulfan sulfate	14.7		µg/kg wet	10.0	20.0		73	50-120	3	30
Endosulfan sulfate [2C]	15.9		µg/kg wet	10.0	20.0		80	50-120	13	30
4,4'-DDT (p,p')	15.2		µg/kg wet	10.0	20.0		76	40-140	3	30
4,4'-DDT (p,p') [2C]	16.4		µg/kg wet	10.0	20.0		82	40-140	16	30
Methoxychlor	15.7		µg/kg wet	10.0	20.0		79	40-140	13	30
Methoxychlor [2C]	17.4		µg/kg wet	10.0	20.0		87	40-140	8	30
Endrin ketone	14.9		µg/kg wet	10.0	20.0		74	40-140	5	30
Endrin ketone [2C]	16.7		µg/kg wet	10.0	20.0		84	40-140	14	30
Endrin aldehyde	15.7		µg/kg wet	10.0	20.0		78	40-140	7	30
Endrin aldehyde [2C]	15.2		µg/kg wet	10.0	20.0		76	40-140	12	30
alpha-Chlordane	16.3		µg/kg wet	10.0	20.0		82	40-140	3	30
alpha-Chlordane [2C]	15.5		µg/kg wet	10.0	20.0		78	40-140	10	30
gamma-Chlordane	16.5		µg/kg wet	10.0	20.0		82	30-130	2	30
gamma-Chlordane [2C]	15.6		µg/kg wet	10.0	20.0		78	30-130	6	30
Alachlor	16.7		µg/kg wet	20.0	20.0		83	40-140	3	30
Alachlor [2C]	18.6		µg/kg wet	20.0	20.0		93	40-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.2*		µg/kg wet		*20.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.7*		µg/kg wet		*20.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Duplicate (9010281-DUP1) **Source: SA89457-01**										
Prepared: 07-Jan-09 Analyzed: 14-Jan-09										
alpha-BHC	BRL		µg/kg dry	15.8		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	15.8		BRL				30
beta-BHC	BRL		µg/kg dry	15.8		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	15.8		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010281 - SW846 3550B										
Duplicate (9010281-DUP1) Source: SA89457-01										
Prepared: 07-Jan-09 Analyzed: 14-Jan-09										
delta-BHC	BRL		µg/kg dry	15.8		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	15.8		BRL				30
gamma-BHC (Lindane)	BRL		µg/kg dry	15.8		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	15.8		BRL				30
Heptachlor	BRL		µg/kg dry	15.8		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	15.8		BRL				30
Aldrin	BRL		µg/kg dry	15.8		BRL				30
Aldrin [2C]	BRL		µg/kg dry	15.8		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	15.8		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	15.8		BRL				30
Endosulfan I	BRL		µg/kg dry	15.8		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	15.8		BRL				30
Dieldrin	BRL		µg/kg dry	15.8		BRL				30
Dieldrin [2C]	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDE (p,p')	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/kg dry	15.8		BRL				30
Endrin	BRL		µg/kg dry	15.8		BRL				30
Endrin [2C]	BRL		µg/kg dry	15.8		BRL				30
Endosulfan II	BRL		µg/kg dry	15.8		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	15.8		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	15.8		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDT (p,p')	BRL		µg/kg dry	15.8		BRL				30
4,4'-DDT (p,p') [2C]	BRL		µg/kg dry	15.8		BRL				30
Methoxychlor	BRL		µg/kg dry	15.8		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	15.8		BRL				30
Endrin ketone	BRL		µg/kg dry	15.8		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	15.8		BRL				30
Endrin aldehyde	BRL		µg/kg dry	15.8		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	15.8		BRL				30
alpha-Chlordane	BRL		µg/kg dry	15.8		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	15.8		BRL				30
gamma-Chlordane	BRL		µg/kg dry	15.8		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	15.8		BRL				30
Toxaphene	BRL		µg/kg dry	79.0		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	79.0		BRL				30
Chlordane	BRL		µg/kg dry	79.0		BRL				30
Chlordane [2C]	BRL		µg/kg dry	79.0		BRL				30
Alachlor	BRL		µg/kg dry	31.6		BRL				30
Alachlor [2C]	BRL		µg/kg dry	31.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg dry		*31.6*		*58*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*39.1*		µg/kg dry		*31.6*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.6*		µg/kg dry		*31.6*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*147*	SGC	µg/kg dry		*31.6*		*467*	*30-150*		
Batch 9010356 - SW846 3550B										
Blank (9010356-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
Blank (9010356-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	BRL		µg/kg wet	6.70						
2,4,5-T [2C]	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL		µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL		µg/kg wet	6.70						
2,4-D	BRL		µg/kg wet	6.70						
2,4-D [2C]	BRL		µg/kg wet	6.70						
2,4-DB	BRL		µg/kg wet	6.70						
2,4-DB [2C]	BRL		µg/kg wet	6.70						
Dalapon	BRL		µg/kg wet	6.70						
Dalapon [2C]	BRL		µg/kg wet	6.70						
Dicamba	BRL		µg/kg wet	6.70						
Dicamba [2C]	BRL		µg/kg wet	6.70						
Dichlorprop	BRL		µg/kg wet	6.70						
Dichlorprop [2C]	BRL		µg/kg wet	6.70						
Dinoseb	BRL		µg/kg wet	6.70						
Dinoseb [2C]	BRL		µg/kg wet	6.70						
MCPA	BRL		µg/kg wet	670						
MCPA [2C]	BRL		µg/kg wet	670						
MCPB	BRL		µg/kg wet	670						
MCPB [2C]	BRL		µg/kg wet	670						
MCPP	BRL		µg/kg wet	670						
MCPP [2C]	BRL		µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*13.3*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*12.9*		µg/kg wet		*13.3*		*97*	*30-150*		
LCS (9010356-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	17.9		µg/kg wet	6.70	33.3		54	40-140		
2,4,5-T [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140		
2,4,5-TP (Silvex)	19.7		µg/kg wet	6.70	33.3		59	40-140		
2,4,5-TP (Silvex) [2C]	19.8		µg/kg wet	6.70	33.3		59	40-140		
2,4-D	18.0		µg/kg wet	6.70	33.3		54	40-140		
2,4-D [2C]	18.4		µg/kg wet	6.70	33.3		55	40-140		
2,4-DB	17.5		µg/kg wet	6.70	33.3		53	40-140		
2,4-DB [2C]	16.3		µg/kg wet	6.70	33.3		49	40-140		
Dalapon	20.2		µg/kg wet	6.70	33.3		61	40-140		
Dalapon [2C]	14.5		µg/kg wet	6.70	33.3		44	40-140		
Dicamba	20.5		µg/kg wet	6.70	33.3		62	40-140		
Dicamba [2C]	18.9		µg/kg wet	6.70	33.3		57	40-140		
Dichlorprop	20.7		µg/kg wet	6.70	33.3		62	40-140		
Dichlorprop [2C]	19.6		µg/kg wet	6.70	33.3		59	40-140		
Dinoseb	22.1		µg/kg wet	6.70	33.3		66	40-140		
Dinoseb [2C]	20.5		µg/kg wet	6.70	33.3		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.8*		µg/kg wet		*13.3*		*118*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*12.7*		µg/kg wet		*13.3*		*96*	*30-150*		
LCS (9010356-BS2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPA	6600		µg/kg wet	670	10000		66	40-140		
MCPA [2C]	8000		µg/kg wet	670	10000		80	40-140		
MCPB	7470		µg/kg wet	670	10000		75	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
LCS (9010356-BS2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPB [2C]	8000		µg/kg wet	670	10000		80	40-140		
MCPP	5930		µg/kg wet	670	10000		59	40-140		
MCPP [2C]	7800		µg/kg wet	670	10000		78	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.5*		µg/kg wet		*13.3*		*124*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.5*		µg/kg wet		*13.3*		*109*	*30-150*		
LCS Dup (9010356-BSD1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	20.0		µg/kg wet	6.70	33.3		60	40-140	11	25
2,4,5-T [2C]	19.6		µg/kg wet	6.70	33.3		59	40-140	15	25
2,4,5-TP (Silvex)	21.5		µg/kg wet	6.70	33.3		64	40-140	8	25
2,4,5-TP (Silvex) [2C]	22.9		µg/kg wet	6.70	33.3		69	40-140	15	25
2,4-D	17.1		µg/kg wet	6.70	33.3		51	40-140	5	25
2,4-D [2C]	17.5		µg/kg wet	6.70	33.3		52	40-140	5	25
2,4-DB	19.1		µg/kg wet	6.70	33.3		57	40-140	9	25
2,4-DB [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140	10	25
Dalapon	21.3		µg/kg wet	6.70	33.3		64	40-140	5	25
Dalapon [2C]	18.9	QR2	µg/kg wet	6.70	33.3		57	40-140	26	25
Dicamba	22.3		µg/kg wet	6.70	33.3		67	40-140	8	25
Dicamba [2C]	21.1		µg/kg wet	6.70	33.3		63	40-140	11	25
Dichlorprop	23.7		µg/kg wet	6.70	33.3		71	40-140	13	25
Dichlorprop [2C]	20.8		µg/kg wet	6.70	33.3		62	40-140	6	25
Dinoseb	24.5		µg/kg wet	6.70	33.3		73	40-140	10	25
Dinoseb [2C]	23.5		µg/kg wet	6.70	33.3		71	40-140	14	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg wet		*13.3*		*134*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*14.7*		µg/kg wet		*13.3*		*110*	*30-150*		
LCS Dup (9010356-BSD2)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
MCPA	7730		µg/kg wet	670	10000		77	40-140	16	25
MCPA [2C]	7400		µg/kg wet	670	10000		74	40-140	8	25
MCPB	8130		µg/kg wet	670	10000		81	40-140	9	25
MCPB [2C]	8070		µg/kg wet	670	10000		81	40-140	0.8	25
MCPP	6000		µg/kg wet	670	10000		60	40-140	1	25
MCPP [2C]	7200		µg/kg wet	670	10000		72	40-140	8	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*13.3*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*13.2*		µg/kg wet		*13.3*		*99*	*30-150*		
Duplicate (9010356-DUP1) **Source: SA89497-02**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
2,4,5-T	BRL		µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL		µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-D	BRL		µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL		µg/kg dry	6.70		BRL				30
2,4-DB	BRL		µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL		µg/kg dry	6.70		BRL				30
Dalapon	BRL		µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL		µg/kg dry	6.70		BRL				30
Dicamba	BRL		µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL		µg/kg dry	6.70		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010356 - SW846 3550B										
Duplicate (9010356-DUP1) **Source: SA89497-02**										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Dichlorprop	BRL		µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL		µg/kg dry	6.70		BRL				30
Dinoseb	BRL		µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL		µg/kg dry	6.70		BRL				30
MCPA	BRL		µg/kg dry	670		BRL				30
MCPA [2C]	BRL		µg/kg dry	670		BRL				30
MCPB	BRL		µg/kg dry	670		BRL				30
MCPB [2C]	BRL		µg/kg dry	670		BRL				30
MCPP	BRL		µg/kg dry	670		BRL				30
MCPP [2C]	BRL		µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg dry		*18.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [:	*15.8*		µg/kg dry		*18.7*		*85*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010275 - SW846 3550B										
Blank (9010275-BLK1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.16*		mg/kg wet		*3.33*		*95*	*50-150*		
LCS (9010275-BS1)										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
C9-C36 Aliphatic Hydrocarbons	65.6		mg/kg wet	13.3	93.3		70	60-120		
Surrogate: 1-Chlorooctadecane	*2.60*		mg/kg wet		*3.33*		*78*	*50-150*		
Duplicate (9010275-DUP1) Source: SA89446-28										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
Gasoline	BRL		mg/kg dry	29.8		BRL				50
Fuel Oil #2	BRL		mg/kg dry	29.8		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.8		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.8		BRL				50
Motor Oil	BRL		mg/kg dry	29.8		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.8		BRL				50
Unidentified	BRL		mg/kg dry	29.8		BRL				50
Other Oil	BRL		mg/kg dry	29.8		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.8		BRL				50
C9-C36 Aliphatic Hydrocarbons	BRL		mg/kg dry	29.8		BRL				50
Surrogate: 1-Chlorooctadecane	*3.52*		mg/kg dry		*3.73*		*94*	*50-150*		
Matrix Spike (9010275-MS1) Source: SA89446-28										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
C9-C36 Aliphatic Hydrocarbons	68.6		mg/kg dry	14.9	105	BRL	65	50-150		
Surrogate: 1-Chlorooctadecane	*2.70*		mg/kg dry		*3.74*		*72*	*50-150*		
Matrix Spike Dup (9010275-MSD1) Source: SA89446-28										
Prepared: 07-Jan-09 Analyzed: 08-Jan-09										
C9-C36 Aliphatic Hydrocarbons	69.0		mg/kg dry	14.6	103	BRL	67	50-150	3	30
Surrogate: 1-Chlorooctadecane	*2.71*		mg/kg dry		*3.66*		*74*	*50-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010253 - SW846 3050B										
Blank (9010253-BLK1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Zinc	BRL		mg/kg wet	0.947						
Sodium	BRL		mg/kg wet	23.7						
Lead	BRL		mg/kg wet	1.42						
Thallium	BRL		mg/kg wet	2.84						
Antimony	BRL		mg/kg wet	2.84						
Nickel	BRL		mg/kg wet	0.947						
Vanadium	BRL		mg/kg wet	1.42						
Selenium	BRL		mg/kg wet	1.42						
Copper	BRL		mg/kg wet	0.947						
Chromium	BRL		mg/kg wet	0.947						
Beryllium	BRL		mg/kg wet	0.474						
Arsenic	BRL		mg/kg wet	1.42						
Silver	BRL		mg/kg wet	1.42						
Cadmium	BRL		mg/kg wet	0.474						
Barium	BRL		mg/kg wet	0.947						
Duplicate (9010253-DUP1) **Source: SA89486-08**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Zinc	68.6		mg/kg dry	1.00		56.1			20	20
Nickel	6.58		mg/kg dry	1.00		7.44			12	20
Antimony	BRL		mg/kg dry	3.01		BRL				20
Lead	1060	QR6	mg/kg dry	1.50		1450			31	20
Selenium	1.36	J	mg/kg dry	1.50		1.19			13	20
Sodium	77.7		mg/kg dry	25.1		79.1			2	20
Thallium	BRL		mg/kg dry	3.01		BRL				20
Vanadium	15.7		mg/kg dry	1.50		13.9			12	20
Silver	BRL		mg/kg dry	1.50		BRL				20
Chromium	3.70	QR6	mg/kg dry	1.00		6.02			48	20
Copper	10.2		mg/kg dry	1.00		9.42			8	20
Arsenic	2.05		mg/kg dry	1.50		2.21			8	20
Cadmium	0.286	J	mg/kg dry	0.501		0.254			12	20
Beryllium	0.456	J	mg/kg dry	0.501		0.460			0.7	20
Barium	41.1	QR6	mg/kg dry	1.00		20.2			68	20
Matrix Spike (9010253-MS1) **Source: SA89486-08**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Thallium	105		mg/kg dry	2.84	118	BRL	89	75-125		
Vanadium	122		mg/kg dry	1.42	118	13.9	92	75-125		
Sodium	907	QM8	mg/kg dry	23.7	592	79.1	140	75-125		
Selenium	117		mg/kg dry	1.42	118	1.19	98	75-125		
Lead	1150	QM2	mg/kg dry	1.42	118	1450	-251	75-125		
Nickel	115		mg/kg dry	0.947	118	7.44	91	75-125		
Antimony	89.8		mg/kg dry	2.84	118	BRL	76	75-125		
Zinc	170		mg/kg dry	0.947	118	56.1	96	75-125		
Silver	103		mg/kg dry	1.42	118	BRL	87	75-125		
Cadmium	117		mg/kg dry	0.474	118	0.254	98	75-125		
Arsenic	109		mg/kg dry	1.42	118	2.21	90	75-125		
Chromium	112		mg/kg dry	0.947	118	6.02	89	75-125		
Copper	119		mg/kg dry	0.947	118	9.42	92	75-125		
Beryllium	106		mg/kg dry	0.474	118	0.460	89	75-125		
Barium	134		mg/kg dry	0.947	118	20.2	96	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010253 - SW846 3050B										
Matrix Spike (9010253-MS1)	**Source: SA89486-08**									
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Matrix Spike Dup (9010253-MSD1)	**Source: SA89486-08**									
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Vanadium	107		mg/kg dry	1.31	109	13.9	85	75-125	14	20
Thallium	90.2		mg/kg dry	2.62	109	BRL	83	75-125	15	20
Sodium	752		mg/kg dry	21.9	546	79.1	123	75-125	19	20
Lead	1040	QM2	mg/kg dry	1.31	109	1450	-373	75-125	10	20
Selenium	101		mg/kg dry	1.31	109	1.19	91	75-125	15	20
Antimony	77.7	QM8	mg/kg dry	2.62	109	BRL	71	75-125	14	20
Zinc	170		mg/kg dry	0.874	109	56.1	104	75-125	0.05	20
Nickel	99.9		mg/kg dry	0.874	109	7.44	85	75-125	14	20
Silver	88.8		mg/kg dry	1.31	109	BRL	81	75-125	15	20
Copper	106		mg/kg dry	0.874	109	9.42	89	75-125	11	20
Chromium	95.9		mg/kg dry	0.874	109	6.02	82	75-125	15	20
Cadmium	101		mg/kg dry	0.437	109	0.254	92	75-125	15	20
Arsenic	95.4		mg/kg dry	1.31	109	2.21	85	75-125	13	20
Beryllium	91.4		mg/kg dry	0.437	109	0.460	83	75-125	15	20
Barium	112		mg/kg dry	0.874	109	20.2	84	75-125	17	20
Post Spike (9010253-PS1)	**Source: SA89486-08**									
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Zinc	180		mg/kg dry	1.02	128	56.1	96	80-120		
Sodium	654		mg/kg dry	25.6	640	79.1	90	80-120		
Vanadium	130		mg/kg dry	1.54	128	13.9	90	80-120		
Antimony	116		mg/kg dry	3.07	128	BRL	91	80-120		
Lead	1200	QM2	mg/kg dry	1.54	128	1450	-197	80-120		
Nickel	123		mg/kg dry	1.02	128	7.44	91	80-120		
Selenium	128		mg/kg dry	1.54	128	1.19	99	80-120		
Thallium	114		mg/kg dry	3.07	128	BRL	89	80-120		
Cadmium	128		mg/kg dry	0.512	128	0.254	99	80-120		
Arsenic	119		mg/kg dry	1.54	128	2.21	92	80-120		
Silver	113		mg/kg dry	1.54	128	BRL	89	80-120		
Copper	130		mg/kg dry	1.02	128	9.42	94	80-120		
Chromium	125		mg/kg dry	1.02	128	6.02	93	80-120		
Beryllium	116		mg/kg dry	0.512	128	0.460	90	80-120		
Barium	136		mg/kg dry	1.02	128	20.2	91	80-120		
Reference (9010253-SRM1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Antimony	23.5		mg/kg wet	3.00	34.0		69	15-184		
Sodium	524		mg/kg wet	25.0	515		102	73.7-126.5		
Nickel	67.8		mg/kg wet	1.00	67.7		100	77.6-123.1		
Lead	43.8		mg/kg wet	1.50	43.4		101	78.8-120.9		
Zinc	311		mg/kg wet	1.00	300		104	79.5-120.7		
Selenium	150		mg/kg wet	1.50	144		104	76.6-123.1		
Thallium	64.2		mg/kg wet	3.00	61.1		105	78.2-122.3		
Vanadium	59.0		mg/kg wet	1.50	58.1		102	79.4-120.9		
Arsenic	52.1		mg/kg wet	1.50	52.5		99	77.6-123.1		
Silver	14.9		mg/kg wet	1.50	15.2		98	66.4-133.6		
Beryllium	38.6		mg/kg wet	0.500	39.2		98	83.8-116.1		
Copper	87.8		mg/kg wet	1.00	87.9		100	80.5-118.4		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010253 - SW846 3050B										
Reference (9010253-SRM1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Chromium	117		mg/kg wet	1.00	119		98	79.7-120.3		
Cadmium	31.4		mg/kg wet	0.500	30.7		102	80.9-119.3		
Barium	106		mg/kg wet	1.00	100		106	79.8-119.7		
Reference (9010253-SRM2)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Selenium	156		mg/kg wet	1.50	145		107	76.6-123.1		
Vanadium	60.0		mg/kg wet	1.50	58.4		103	79.4-120.9		
Nickel	70.0		mg/kg wet	1.00	68.0		103	77.6-123.1		
Antimony	22.9		mg/kg wet	3.00	34.2		67	15-184		
Zinc	314		mg/kg wet	1.00	302		104	79.5-120.7		
Thallium	63.8		mg/kg wet	3.00	61.4		104	78.2-122.3		
Sodium	526		mg/kg wet	25.0	518		102	73.7-126.5		
Lead	42.5		mg/kg wet	1.50	43.7		97	78.8-120.9		
Chromium	123		mg/kg wet	1.00	120		103	79.7-120.3		
Beryllium	39.4		mg/kg wet	0.500	39.4		100	83.8-116.1		
Silver	14.8		mg/kg wet	1.50	15.3		97	66.4-133.6		
Cadmium	32.5		mg/kg wet	0.500	30.8		105	80.9-119.3		
Arsenic	52.2		mg/kg wet	1.50	52.8		99	77.6-123.1		
Copper	90.0		mg/kg wet	1.00	88.3		102	80.5-118.4		
Barium	107		mg/kg wet	1.00	101		106	79.8-119.7		
Batch 9010256 - EPA200/SW7000 Series										
Blank (9010256-BLK1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Mercury	BRL		mg/kg wet	0.0291						
Duplicate (9010256-DUP1) **Source: SA89486-08**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Mercury	0.0068	J,QR8	mg/kg dry	0.0313		0.0054			24	20
Matrix Spike (9010256-MS1) **Source: SA89486-08**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Mercury	0.373		mg/kg dry	0.0300	0.417	0.0054	88	75-125		
Matrix Spike Dup (9010256-MSD1) **Source: SA89486-08**										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Mercury	0.395		mg/kg dry	0.0308	0.428	0.0054	91	75-125	6	20
Reference (9010256-SRM1)										
Prepared: 06-Jan-09 Analyzed: 07-Jan-09										
Mercury	2.15		mg/kg wet	0.0300	2.17		99	71.7-128.8		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010575 - SW846 3010A										
Blank (9010575-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Nickel	BRL		mg/l	0.0050						
Antimony	BRL		mg/l	0.0060						
Vanadium	BRL		mg/l	0.0100						
Lead	BRL		mg/l	0.0075						
Selenium	BRL		mg/l	0.0150						
Zinc	BRL		mg/l	0.0240						
Thallium	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0050						
Arsenic	BRL		mg/l	0.0040						
Cadmium	BRL		mg/l	0.0025						
Silver	BRL		mg/l	0.0050						
Beryllium	BRL		mg/l	0.0020						
Barium	BRL		mg/l	0.0050						
LCS (9010575-BS1)										
Prepared & Analyzed: 12-Jan-09										
Lead	1.23		mg/l	0.0075	1.25		98	85-115		
Selenium	1.21		mg/l	0.0150	1.25		97	85-115		
Nickel	1.26		mg/l	0.0050	1.25		101	85-115		
Antimony	1.19		mg/l	0.0060	1.25		95	85-115		
Vanadium	1.30		mg/l	0.0100	1.25		104	85-115		
Thallium	1.20		mg/l	0.0050	1.25		96	85-115		
Zinc	1.27		mg/l	0.0240	1.25		102	85-115		
Cadmium	1.27		mg/l	0.0025	1.25		102	85-115		
Copper	1.33		mg/l	0.0050	1.25		106	85-115		
Beryllium	1.24		mg/l	0.0020	1.25		99	85-115		
Silver	1.32		mg/l	0.0050	1.25		106	85-115		
Chromium	1.30		mg/l	0.0050	1.25		104	85-115		
Arsenic	1.23		mg/l	0.0040	1.25		99	85-115		
Barium	1.20		mg/l	0.0050	1.25		96	85-115		
LCS Dup (9010575-BSD1)										
Prepared & Analyzed: 12-Jan-09										
Nickel	1.24		mg/l	0.0050	1.25		100	85-115	1	20
Antimony	1.16		mg/l	0.0060	1.25		93	85-115	3	20
Selenium	1.20		mg/l	0.0150	1.25		96	85-115	0.5	20
Thallium	1.18		mg/l	0.0050	1.25		94	85-115	1	20
Vanadium	1.29		mg/l	0.0100	1.25		104	85-115	0.7	20
Lead	1.22		mg/l	0.0075	1.25		97	85-115	1	20
Zinc	1.26		mg/l	0.0240	1.25		101	85-115	0.9	20
Cadmium	1.25		mg/l	0.0025	1.25		100	85-115	1	20
Beryllium	1.22		mg/l	0.0020	1.25		98	85-115	1	20
Copper	1.31		mg/l	0.0050	1.25		105	85-115	1	20
Arsenic	1.22		mg/l	0.0040	1.25		98	85-115	0.9	20
Silver	0.615	QC1, QR6	mg/l	0.0050	1.25		49	85-115	73	20
Chromium	1.29		mg/l	0.0050	1.25		103	85-115	0.9	20
Barium	1.19		mg/l	0.0050	1.25		95	85-115	1	20
Duplicate (9010575-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010575 - SW846 3010A										
Duplicate (9010575-DUP1)	**Source: SA89479-02**									
Prepared & Analyzed: 12-Jan-09										
Nickel	BRL		mg/l	0.0050		BRL				20
Thallium	BRL		mg/l	0.0050		BRL				20
Lead	0.0054	J,QR8	mg/l	0.0075		0.0042			25	20
Selenium	BRL		mg/l	0.0150		BRL				20
Vanadium	0.0074	J	mg/l	0.0100		0.0068			9	20
Antimony	BRL		mg/l	0.0060		0.0092				20
Zinc	0.0232	J	mg/l	0.0240		0.0206			12	20
Arsenic	BRL		mg/l	0.0040		BRL				20
Copper	BRL		mg/l	0.0050		BRL				20
Beryllium	BRL		mg/l	0.0020		BRL				20
Cadmium	0.0002	J	mg/l	0.0025		0.0004				20
Silver	BRL		mg/l	0.0050		BRL				20
Chromium	0.0040	J	mg/l	0.0050		0.0037			8	20
Barium	0.109		mg/l	0.0050		0.128			15	20
Matrix Spike (9010575-MS1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										
Selenium	1.19		mg/l	0.0150	1.25	BRL	95	75-125		
Nickel	1.26		mg/l	0.0050	1.25	BRL	101	75-125		
Zinc	1.28		mg/l	0.0240	1.25	0.0156	101	75-125		
Antimony	1.19		mg/l	0.0060	1.25	BRL	95	75-125		
Lead	1.24		mg/l	0.0075	1.25	0.0126	98	75-125		
Thallium	1.21		mg/l	0.0050	1.25	BRL	97	75-125		
Vanadium	1.30		mg/l	0.0100	1.25	0.0050	103	75-125		
Arsenic	1.23		mg/l	0.0040	1.25	BRL	98	75-125		
Chromium	1.29		mg/l	0.0050	1.25	BRL	104	75-125		
Copper	1.33		mg/l	0.0050	1.25	0.0054	106	75-125		
Silver	1.24		mg/l	0.0050	1.25	BRL	99	75-125		
Cadmium	1.26		mg/l	0.0025	1.25	BRL	101	75-125		
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	75-125		
Barium	1.23		mg/l	0.0050	1.25	0.0270	96	75-125		
Matrix Spike Dup (9010575-MSD1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										
Vanadium	1.30		mg/l	0.0100	1.25	0.0050	103	75-125	0.2	20
Thallium	1.21		mg/l	0.0050	1.25	BRL	97	75-125	0.3	20
Nickel	1.26		mg/l	0.0050	1.25	BRL	101	75-125	0.2	20
Zinc	1.28		mg/l	0.0240	1.25	0.0156	101	75-125	0.3	20
Selenium	1.20		mg/l	0.0150	1.25	BRL	96	75-125	0.5	20
Lead	1.24		mg/l	0.0075	1.25	0.0126	98	75-125	0.04	20
Antimony	1.19		mg/l	0.0060	1.25	BRL	95	75-125	0.3	20
Silver	1.22		mg/l	0.0050	1.25	BRL	97	75-125	2	20
Beryllium	1.24		mg/l	0.0020	1.25	BRL	99	75-125	0.3	20
Chromium	1.28		mg/l	0.0050	1.25	BRL	103	75-125	0.9	20
Copper	1.33		mg/l	0.0050	1.25	0.0054	106	75-125	0.2	20
Arsenic	1.22		mg/l	0.0040	1.25	BRL	98	75-125	0.3	20
Cadmium	1.26		mg/l	0.0025	1.25	BRL	101	75-125	0.2	20
Barium	1.23		mg/l	0.0050	1.25	0.0270	96	75-125	0.4	20
Post Spike (9010575-PS1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010575 - SW846 3010A										
Post Spike (9010575-PS1)	**Source: SA89479-01**									
Prepared & Analyzed: 12-Jan-09										
Zinc	1.26		mg/l	0.0240	1.25	0.0156	99	75-125		
Thallium	1.21		mg/l	0.0050	1.25	BRL	97	75-125		
Nickel	1.24		mg/l	0.0050	1.25	BRL	99	75-125		
Vanadium	1.28		mg/l	0.0100	1.25	0.0050	102	75-125		
Selenium	1.18		mg/l	0.0150	1.25	BRL	94	75-125		
Antimony	1.13		mg/l	0.0060	1.25	BRL	90	75-125		
Lead	1.22		mg/l	0.0075	1.25	0.0126	97	75-125		
Arsenic	1.21		mg/l	0.0040	1.25	BRL	97	75-125		
Cadmium	1.24		mg/l	0.0025	1.25	BRL	99	75-125		
Silver	1.22		mg/l	0.0050	1.25	BRL	98	75-125		
Beryllium	1.23		mg/l	0.0020	1.25	BRL	98	75-125		
Chromium	1.27		mg/l	0.0050	1.25	BRL	102	75-125		
Copper	1.31		mg/l	0.0050	1.25	0.0054	104	75-125		
Barium	1.21		mg/l	0.0050	1.25	0.0270	95	75-125		
Batch 9010578 - EPA200/SW7000 Series										
Blank (9010578-BLK1)										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9010578-BS1)										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	0.00433		mg/l	0.00020	0.00500		87	56.1-122		
Duplicate (9010578-DUP1)	**Source: SA89479-02**									
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9010578-MS1)	**Source: SA89479-01**									
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	0.00480		mg/l	0.00020	0.00500	BRL	96	59.8-119		
Matrix Spike Dup (9010578-MSD1)	**Source: SA89479-01**									
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Mercury	0.00460		mg/l	0.00020	0.00500	BRL	92	59.8-119	4	20
Batch 9010671 - SW846 3010A										
Blank (9010671-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Selenium	BRL		mg/l	0.0150						
Lead	BRL		mg/l	0.0075						
Chromium	BRL		mg/l	0.0050						
Silver	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
Cadmium	BRL		mg/l	0.0025						
Barium	BRL		mg/l	0.0050						
LCS (9010671-BS1)										
Prepared & Analyzed: 13-Jan-09										
Selenium	1.21		mg/l	0.0150	1.25		97	85-115		
Lead	1.29		mg/l	0.0075	1.25		103	85-115		
Silver	1.29		mg/l	0.0075	1.25		103	85-115		
Arsenic	1.26		mg/l	0.0040	1.25		101	85-115		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010671 - SW846 3010A										
LCS (9010671-BS1)										
Prepared & Analyzed: 13-Jan-09										
Chromium	1.24		mg/l	0.0050	1.25		99	85-115		
Cadmium	1.28		mg/l	0.0025	1.25		102	85-115		
Barium	1.22		mg/l	0.0050	1.25		97	85-115		
LCS Dup (9010671-BSD1)										
Prepared & Analyzed: 13-Jan-09										
Lead	1.31		mg/l	0.0075	1.25		105	85-115	2	20
Selenium	1.22		mg/l	0.0150	1.25		98	85-115	1	20
Cadmium	1.29		mg/l	0.0025	1.25		104	85-115	1	20
Arsenic	1.28		mg/l	0.0040	1.25		102	85-115	1	20
Silver	1.30		mg/l	0.0075	1.25		104	85-115	1	20
Chromium	1.26		mg/l	0.0050	1.25		101	85-115	2	20
Barium	1.23		mg/l	0.0050	1.25		98	85-115	0.9	20
Duplicate (9010671-DUP1)	**Source: SA89641-02**									
Prepared & Analyzed: 13-Jan-09										
Selenium	BRL		mg/l	0.0150		BRL				20
Lead	0.0030	J	mg/l	0.0075		BRL				20
Chromium	BRL		mg/l	0.0050		BRL				20
Arsenic	BRL		mg/l	0.0040		BRL				20
Silver	BRL		mg/l	0.0075		0.0073				20
Cadmium	BRL		mg/l	0.0025		0.0003				20
Barium	0.0214		mg/l	0.0050		0.0220			2	20
Matrix Spike (9010671-MS1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Selenium	1.19		mg/l	0.0150	1.25	BRL	95	75-125		
Lead	1.27		mg/l	0.0075	1.25	BRL	101	75-125		
Cadmium	1.24		mg/l	0.0025	1.25	BRL	100	75-125		
Arsenic	1.24		mg/l	0.0040	1.25	0.0064	99	75-125		
Chromium	1.21		mg/l	0.0050	1.25	BRL	97	75-125		
Silver	0.937		mg/l	0.0075	1.25	BRL	75	75-125		
Barium	1.20		mg/l	0.0050	1.25	0.0230	94	75-125		
Matrix Spike Dup (9010671-MSD1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Selenium	1.18		mg/l	0.0150	1.25	BRL	94	75-125	0.8	20
Lead	1.27		mg/l	0.0075	1.25	BRL	102	75-125	0.4	20
Arsenic	1.24		mg/l	0.0040	1.25	0.0064	99	75-125	0.4	20
Chromium	1.21		mg/l	0.0050	1.25	BRL	97	75-125	0	20
Cadmium	1.25		mg/l	0.0025	1.25	BRL	100	75-125	0.2	20
Silver	1.19	QR7	mg/l	0.0075	1.25	BRL	95	75-125	24	20
Barium	1.21		mg/l	0.0050	1.25	0.0230	95	75-125	0.3	20
Post Spike (9010671-PS1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Lead	1.33		mg/l	0.0075	1.25	BRL	107	75-125		
Selenium	1.24		mg/l	0.0150	1.25	BRL	99	75-125		
Arsenic	1.31		mg/l	0.0040	1.25	0.0064	104	75-125		
Chromium	1.29		mg/l	0.0050	1.25	BRL	103	75-125		
Silver	1.32		mg/l	0.0075	1.25	BRL	106	75-125		
Cadmium	1.32		mg/l	0.0025	1.25	BRL	105	75-125		

SPLP Metals by EPA 1312 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010671 - SW846 3010A										
Post Spike (9010671-PS1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Barium	1.27		mg/l	0.0050	1.25	0.0230	100	75-125		
Batch 9010673 - EPA200/SW7000 Series										
Blank (9010673-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Mercury	BRL		mg/l	0.00020						
LCS (9010673-BS1)										
Prepared & Analyzed: 13-Jan-09										
Mercury	0.00438		mg/l	0.00020	0.00500		88	56.1-122		
Duplicate (9010673-DUP1)	**Source: SA89641-02**									
Prepared & Analyzed: 13-Jan-09										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (9010673-MS1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Mercury	0.00455		mg/l	0.00020	0.00500	BRL	91	59.8-119		
Matrix Spike Dup (9010673-MSD1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Mercury	0.00463		mg/l	0.00020	0.00500	BRL	93	59.8-119	2	20
Post Spike (9010673-PS1)	**Source: SA89641-01**									
Prepared & Analyzed: 13-Jan-09										
Mercury	0.00440		mg/l	0.00020	0.00500	BRL	88	72.4-113		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010395 - SW846 9010B										
Blank (9010395-BLK1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	BRL		mg/kg wet	1.00						
LCS (9010395-BS1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	30.3		mg/kg wet	1.00	30.0		101	90-110		
Duplicate (9010395-DUP1)	**Source: SA89479-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	BRL		mg/kg dry	1.10		BRL				35
Matrix Spike (9010395-MS1)	**Source: SA89479-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	27.5		mg/kg dry	1.03	30.8	BRL	90	90-110		
Matrix Spike Dup (9010395-MSD1)	**Source: SA89479-01**									
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	30.1		mg/kg dry	1.05	31.6	BRL	95	90-110	9	35
Reference (9010395-SRM1)										
Prepared: 08-Jan-09 Analyzed: 09-Jan-09										
Cyanide (total)	43.0		mg/kg wet	2.00	50.9		84	33.5-138.9		
Batch 9010421 - General Preparation										
Duplicate (9010421-DUP1)	**Source: SA89458-01**									
Prepared & Analyzed: 08-Jan-09										
% Solids	93.7		%			93.9			0.2	20
Batch 9010423 - General Preparation										
Blank (9010423-BLK1)										
Prepared & Analyzed: 12-Jan-09										
Chloride	BRL		mg/kg wet	10.0						
Nitrate as N	BRL		mg/kg wet	1.00						
Duplicate (9010423-DUP1)	**Source: SA89494-07**									
Prepared & Analyzed: 12-Jan-09										
Chloride	6.81	J	mg/kg dry	10.3		5.88			15	20
Nitrate as N	0.516	J	mg/kg dry	1.03		0.516			0	20
Matrix Spike (9010423-MS1)	**Source: SA89494-07**									
Prepared & Analyzed: 12-Jan-09										
Chloride	55.3	QM9	mg/kg dry	10.3	41.3	5.88	120	90-110		
Nitrate as N	4.74		mg/kg dry	1.03	4.13	0.516	102	90-110		
Matrix Spike Dup (9010423-MSD1)	**Source: SA89494-07**									
Prepared & Analyzed: 12-Jan-09										
Nitrate as N	5.05		mg/kg dry	1.03	4.13	0.516	110	90-110	6	20
Chloride	53.8	QM9	mg/kg dry	10.3	41.3	5.88	116	90-110	3	20
Reference (9010423-SRM1)										
Prepared & Analyzed: 12-Jan-09										
Chloride	254		mg/kg wet	10.0	250		102	90-110		
Nitrate as N	25.6		mg/kg wet	1.00	25.0		102	90-110		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010258 - General Preparation										
Duplicate (9010258-DUP1)	**Source: SA89479-01**									
Prepared & Analyzed: 06-Jan-09										
pH	7.74		pH Units			7.76			0.3	5
Reference (9010258-SRM1)										
Prepared & Analyzed: 06-Jan-09										
pH	7.02		pH Units		7.00		100	97.5-102.5		
Reference (9010258-SRM2)										
Prepared & Analyzed: 06-Jan-09										
pH	7.04		pH Units		7.00		101	97.5-102.5		
Batch 9010261 - General Preparation										
Blank (9010261-BLK1)										
Prepared & Analyzed: 06-Jan-09										
Reactivity	Nonreactive		mg/kg wet							
Reactive Cyanide	BRL		mg/kg wet	25.0						
Reactive Sulfide	BRL		mg/kg wet	50.0						
Duplicate (9010261-DUP1)	**Source: SA89433-01**									
Prepared & Analyzed: 06-Jan-09										
Reactivity	Nonreactive		mg/kg dry			0.00				200
Reactive Cyanide	BRL		mg/kg dry	25.0		BRL				35
Reactive Sulfide	BRL		mg/kg dry	49.9		BRL				35
Reference (9010261-SRM1)										
Prepared & Analyzed: 06-Jan-09										
Reactive Cyanide	3.22		mg/kg wet	25.0	100		3	0-200		
Reference (9010261-SRM2)										
Prepared & Analyzed: 06-Jan-09										
Reactive Sulfide	124		mg/kg wet	50.0	6700		2	0-200		
Batch 9010263 - General Preparation										
Duplicate (9010263-DUP1)	**Source: SA89459-01**									
Prepared & Analyzed: 06-Jan-09										
Ignitability by Definition	Negative	IgHT	N/A			0.00				35
Batch 9010361 - General Preparation										
Duplicate (9010361-DUP1)	**Source: SA89433-01**									
Prepared & Analyzed: 08-Jan-09										
Flashpoint	> 200		°F			0				35
Duplicate (9010361-DUP2)	**Source: SA89467-01**									
Prepared & Analyzed: 08-Jan-09										
Flashpoint	80		°F			80			0	35
Reference (9010361-SRM1)										
Prepared & Analyzed: 08-Jan-09										
Flashpoint	80		°F		81.0		99	95-105		

Notes and Definitions

IgHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.
pHs	The soil method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR7	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
VC10	The VOC preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio. This variance may affect the final reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2), (4), and (5); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Nicole Leja
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA **Client:** TRC - Bridgeport, CT

Project Location: I-95 Auxiliary Lane Interchange 14&15-Norwalk, C **Project Number:** 107307-3631

Sampling Date(s): 06-Jan-09

Laboratory Sample ID(s): SA89479-01 through SA89479-05

RCP Methods Used: +CT ETPH, SW846 1312, SW846 1312/6010B, SW846 1312/7470A, SW846 1312/8270C, SW846 6010B, SW846 7471A, SW846 8081A, SW846 8082, SW846 8151A, SW846 8260B, SW846 8270C, SW846 9013A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature?	☐ Yes ☑ No ☐ N/A
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	☐ Yes ☑ No ☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/20/2009

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Winfield
TRC
10 Middle ST, 6th Floor
Bridgeport, CT 06604
Project Mgr.: Meg Winfield

Invoice To: Conn. DOT DAS
P.O. No.: _____ RQN: _____

Project No.: 107307 - 3631
Site Name: E-95 Auxiliary Lane Interchange 14 to 15
Location: Norwalk State: CT
Sampler(s): Liam Bane

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260/8260 CT Method RCRA 8 Metals	SVOCs (8270C) Total 4 SPLP	Total 8 SPLP PCBs (8082)	Cr, Ni, Zn, Sb, Hg (TTLC) Total/SPLP TCLP Herbs / PCBs	Ignitability (Flashpoint) (8081)	Corrosivity (pH) (9045)	Reactivity Cyanide/Sulfide (Extra)	Total Cyanide (9014) / Sulfide (9034)	Nitrate-N Chloride (300.0)	QA Reporting Notes: (check if needed)
01	B-1 (0-2)	1-6-09	0735	G	SO	7,9,10	3	3			X	X	X	X	X	X	X	X		
02	B-1 (5-7)	1-6-09	0750	G	SO	7,9,10	3	3			X	X	X	X						
03	B-2 (2-4)	1-6-09	0820	G	SO	7,9,10	3	3			X	X	X	X						
04	B-8 (0-2)	1-6-09	0850	G	SO	7,9,10	3	3			X	X	X	X						
05	B-14 (0-2)	1-6-09	0915	G	SO	7,9,10	3	3			X	X	X	X						

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☑ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☑ Standard ☐ No QC
- ☐ Other _____

State specific reporting standards: _____

☒ Fax results when available to (203) 335-3550
☒ E-mail to mwinfield@trcsolutions.com
EDD Format Excel with CT RSR column

Condition upon receipt: ☑ Iced ☐ Ambient ☑ °C 7.5

Relinquished by:	Received by:	Date:	Time:
	Bergeron	11/06/09	1:43 PM
Bergeron	CM	11/6/09	14:15

Cooler

SPECTRUM ANALYTICAL, INC.
Featuring
HANDIAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Meg Warfield
TRC
10 Middle ST, 6th Floor
Bridgeport, CT 06604
Project Mgr.: Meg Warfield

Invoice To: Conn DOT DAS

P.O. No.: _____ RQN: _____

Project No.: 107307 - 3631
Site Name: I-95 Auxiliary Lanes Interchange 14 to 15
Location: Norwalk State: CT
Sampler(s): Liam Bane

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type:	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260 (soil) ETBE, DIPE, TAME, EDB & naphthalene	EPH CT Method Total & SFAM	SVOCs (8270 C)	Total & SFAM	PCBs (8082)	CO, Ni, Zn, Sb, Al, Ti, Mo	Total & SFAM Trace	Herb & Pest	8151D / 8081	Sulfides (Reactivity)	Reactivity (Cyanide) (Sulfide)	Total Cyanide (9012B)	Sulfide (9034)	Chloride (9251)	VOCs 8260 (Full List)	QA Reporting Notes: (check if needed)
A904990	B-1 (0-2)	1-6-09	0735	G	SO	7,5,10	3	3			X	X	X	X	X	X	X	X	X	X	X	X	X			X Sec attached
81	B-1 (5-7)	1-6-09	0750	G	SO	7,5,10	3	3			X	X	X	X												
83	B-2 (2-4)	1-6-09	0820	G	SO	7,5,10	3	3			X	X	X	X												
84	B-8 (0-2)	1-6-09	0850	G	SO	7,5,10	3	3			X	X	X	X												
85	B-14 (0-2)	1-6-09	0915	G	SO	7,5,10	3	3			X	X	X	X												

☒ Fax results when available to (203) 335-3550
☒ E-mail to mwarfield@trcsolutions.com
EDD Format Excel with CT RSR Criteria
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 7.5

Relinquished by:	Received by:	Date:	Time:
[signature]	Bergeron	11/6/09	1:43 pm
Bergeron	[signature]	11/6/09	14:15

Cooler