

# TASK 210: SUBSURFACE SITE INVESTIGATION

**New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

**Volume 1**

ConnDOT Assignment No. 202-3024  
ConnDOT Project No. 301-81

Prepared for:



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## 1.0 INTRODUCTION

On behalf of the Connecticut Department of Transportation (ConnDOT), Maguire Group Inc. (MGI) has conducted a Task 210 - Subsurface Site Investigation in association with the New Haven Rail Yard Interim Shop located in New Haven, Connecticut. The project will involve the construction of an Interim Shop structure to provide a sheltered environment for inspections and light repairs of Metro North rail cars. Figure 1 depicts the project area.

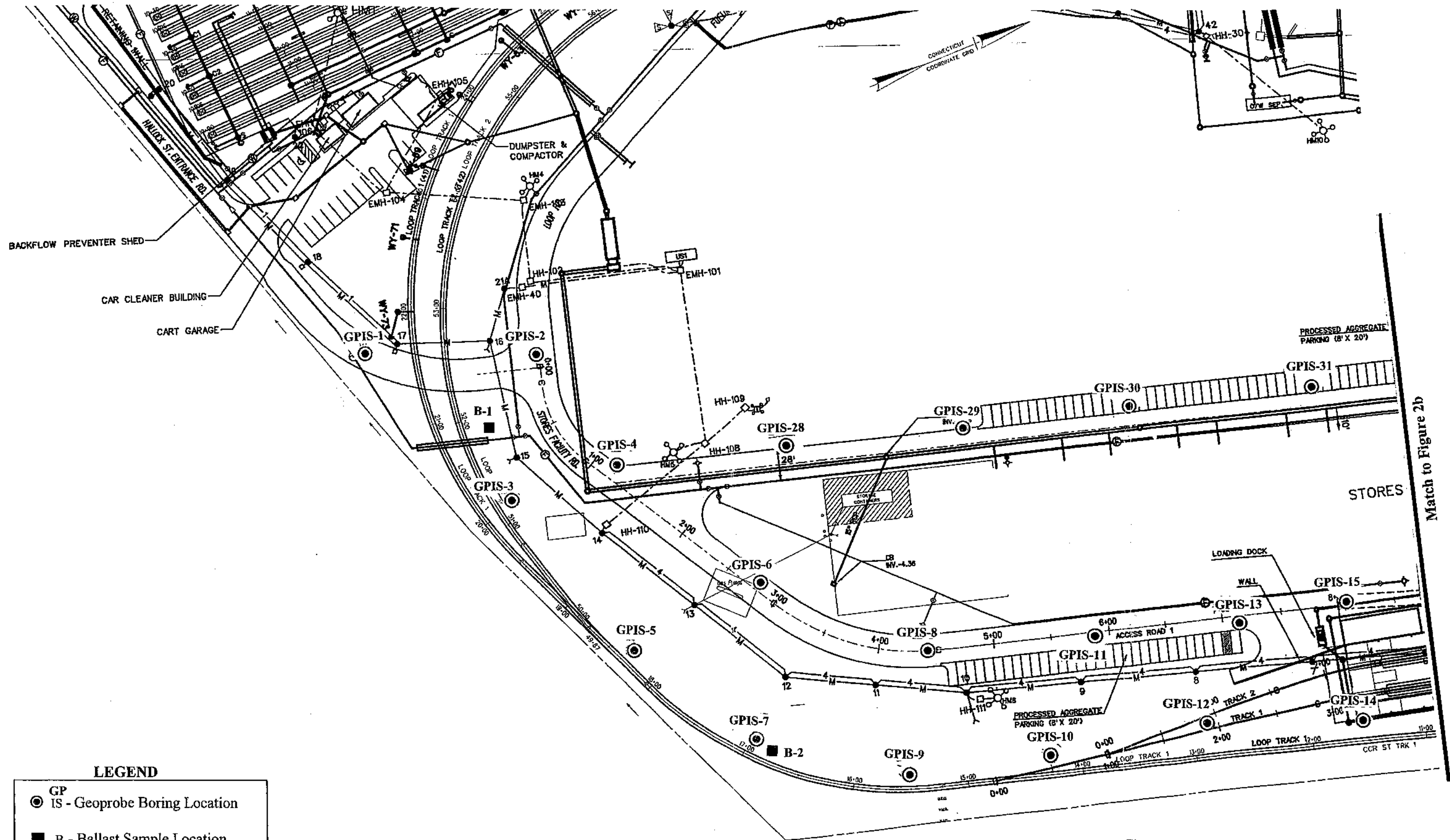
This Task 210 - Subsurface Site Investigation was conducted in areas of anticipated construction activities for the New Haven Rail Yard Interim Shop project. The purpose of the Task 210 - Subsurface Site Investigation was to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts to be encountered during construction. It is anticipated that Task 310 Plans and Specifications will subsequently be prepared to assess construction related activities (i.e. proper storage, classification, transport and disposal of contaminated materials), in relationship to the environmental conditions prevalent within the project limits, as well as to specify remedial work to be included in the Contract Bid Documents.

## 2.0 SITE DESCRIPTION

This Task 210 - Subsurface Site Investigation was conducted at the New Haven Rail Yard in the area of the proposed Interim Shop. The proposed location of the Interim Shop is in the southeastern portion of the Rail Yard, and the property is owned by the State of Connecticut Department of Transportation. The site area is depicted in Figures 2a and 2b - Task 210 Project Area & Sampling Locations.



**FIGURE 1 - Site Location Plan**  
**New Haven Rail Yard Interim Shop**  
**New Haven, Connecticut**



**LEGEND**

- GP  
● IS - Geoprobe Boring Location
- B - Ballast Sample Location

SCALE: 1" = 80'

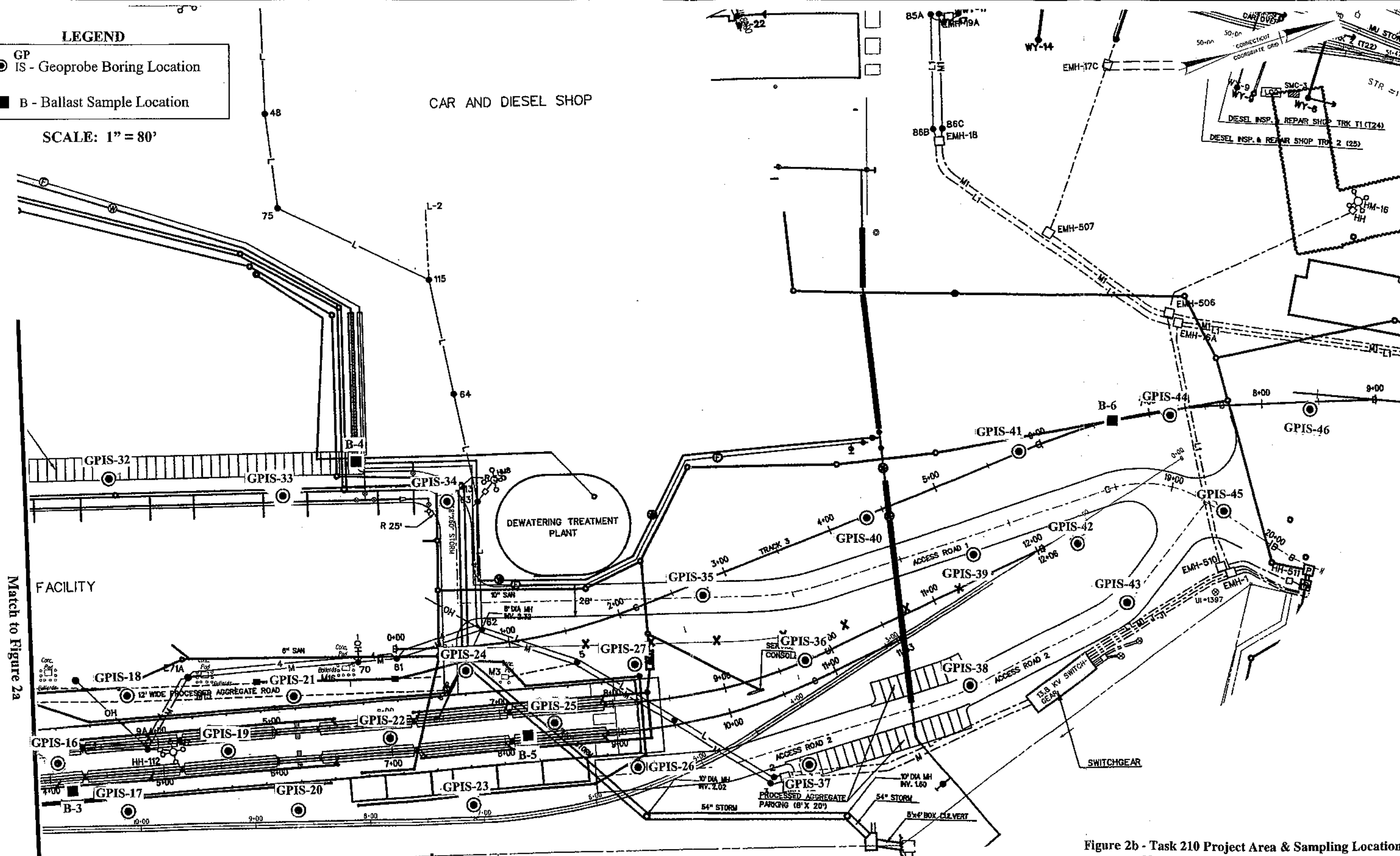
Figure 2a - Task 210 Project Area & Sampling Locations  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut

Match to Figure 2b

**LEGEND**

- GP
- IS - Geoprobe Boring Location
- B - Ballast Sample Location

SCALE: 1" = 80'



Match to Figure 2a

Figure 2b - Task 210 Project Area & Sampling Locations  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut

Numerous environmental investigations completed at the New Haven Rail Yard property have indicated the widespread presence of total petroleum hydrocarbon, volatile organic compounds, polycyclic aromatic hydrocarbons (PAHs), and RCRA 8 metals contamination, as well as isolated occurrences of polychlorinated biphenyls (PCBs) in on-site soils and groundwater. The contaminated soil has been encountered at depths ranging from the surface (0) to approximately eight (8) feet below the ground surface. The soil and groundwater contamination detected exceeds the applicable Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulations. In addition, the concentrations of leachable lead previously detected in on-site soils at the site have exceeded the RCRA hazardous waste concentration in isolated areas.

### **3.0 LOCAL ENVIRONMENT & RECEPTORS**

#### **3.1 Groundwater**

The 2005 edition of "Environmental GIS Data for Connecticut" provided by the CTDEP, depicts the groundwater classification for the area as "GB." A "GB" groundwater classification indicates that the groundwater has been adversely impacted by waste discharges, spills or leaks of chemicals, or land use impacts. The groundwater is not suitable for direct human consumption without the need for treatment and a public water supply source is available. Groundwater was encountered at the site at depths ranging from approximately seven (7) to eight (8) feet below the ground surface. The New Haven Rail Yard and its surrounding properties are all connected to the South Central Regional Water Company's public water distribution system and the City of New Haven sewer system. In addition, there are no public water supply sources within a one-mile radius of the Site, according to the CTDEP Bulletin 4, "The Atlas of the Public Water Supply Sources and Drainage Basins of Connecticut," June, 1982.



### **3.2 Surface Water**

There are no surface water bodies situated on the New Haven Rail Yard property. The project area is located within the South Central Shoreline Regional Drainage Basin, within the South Central Coast Major Drainage Basin. The general topography of the site is relatively flat. Based upon previous investigations conducted at the site, the inferred direction of groundwater flow is south/southeast, towards Long Island Sound. Long Island Sound is located approximately ½ mile southeast of the New Haven Rail Yard.

### **3.3 Geology**

The 2005 edition of "Environmental GIS Data for Connecticut" provided by the CTDEP, depicts the surficial materials at the site as Artificial Fill, which is described as earth materials and manmade materials that have been artificially placed. Soil encountered during this investigation consisted of brown to red-brown sand units, and fill comprised of black ash and cinders. Underlying the fill and sand units in some areas were red-brown to gray silt deposits with varying amounts of sand and clay.

The Bedrock Geological Map of Connecticut, compiled by John Rodgers in 1985, indicates that the bedrock unit underlying the site area is the New Haven Arkose, which is a red-brown arkosic sandstone. Bedrock was not encountered during this investigation.

## **4.0 SUBSURFACE INVESTIGATION**

Due to the contaminants previously detected in the soil and groundwater on the New Haven Rail Yard property, a comprehensive sampling program was conducted within the proposed construction areas impacted by the Interim Shop project. The following subsections detail the investigation.

#### **4.1 Geoprobe® Soil Borings & Soil Sample Analyses**

On January 25 to 27, 2005, forty-six (46) Geoprobe® soil borings (GPIS-1 to GPIS-46) were advanced in areas of anticipated construction activities for the proposed Interim Shop. The Geoprobe® borings were advanced by Logical Environmental Solutions, under the direction of MGI. The locations of the Geoprobe® soil borings are depicted on Figures 2a and 2b - Task 210 Project Area & Sampling Locations.

The Geoprobe® soil borings were advanced to a depth of 8 feet below grade. Continuous soil samples were collected utilizing a 4-foot long, 2-inch diameter Macro Core Sampler with dedicated acetate liners. The soil samples were visually inspected in the field for staining, and described as to physical characteristics and soil type. In addition, the soil samples were screened in the field for total volatile organic compounds utilizing a Photovac photoionization detector (PID). Soil boring logs were generated in the field by Maguire field personnel. The boring logs denote the types of soil encountered, the depth to groundwater and/or bedrock, the total depth reached in each boring, and the highest observed PID reading. Copies of the boring logs are included at the end of this report in Appendix A.

Based upon field screening results and visual observations, one soil sample from each boring was placed in glassware supplied by Spectrum Analytical Laboratory, and stored in an ice-filled cooler. The shallow soil sample (2' to 4' below grade) was selected for laboratory analyses if field screening and visual observation did not indicate the presence of contaminants in the other sample intervals. The analyses for each soil sample included volatile organic compounds (VOCs) utilizing EPA Method 8260, base neutral extractable organics (BNs) utilizing EPA Method 8270, petroleum hydrocarbons utilizing the Connecticut ETPH method, pesticides utilizing EPA Method 8081A, polychlorinated biphenyls (PCBs) utilizing EPA Method 8082, herbicides utilizing EPA Method 8151, and total and SPLP RCRA 8 metals.

All Geoprobe® soil borings were back-filled upon completion utilizing clean sand and/or hydrated bentonite. All down-hole sampling equipment was decontaminated in accordance with MGI's January 2005 Task 210 - Subsurface Site Investigation Work Plan.

#### **4.2 Ballast Grab Sample Collection & Analyses**

The gravel ballast within the project area was also sampled during this investigation. Six (6) ballast grab samples (B-1 to B-6) were collected from selected areas that are depicted on Figures 2a and 2b – Task 210 Project Areas & Sampling Locations. The ballast grab samples were analyzed for VOCs (EPA Method 8260), BNs (EPA Method 8270), petroleum hydrocarbons (Connecticut ETPH), pesticides (EPA Method 8081A), PCBs (EPA Method 8082), herbicides (EPA Method 8151), and total and SPLP RCRA 8 metals. The ballast samples were placed in laboratory-supplied glassware, and stored in an ice-filled cooler.

#### **4.3 Groundwater Grab Sample Collection & Analyses**

Groundwater grab samples were collected from borings GPIS-6, GPIS-22, and GPIS-39. The groundwater grab samples were collected by inserting one-half inch diameter, schedule 40, 10-slot, PVC well screen and riser casing into the borehole. The 5-foot section of well screen was temporarily installed approximately 4 feet into the observed water table depth. Dedicated polyethylene tubing was placed into the temporary well and the groundwater sample was drawn through the tubing using a low-flow peristaltic pump.

The groundwater samples were collected for laboratory analysis of VOCs (EPA Method 8260), BNs (EPA Method 8270), petroleum hydrocarbons (Connecticut ETPH), pesticides (EPA Method 8081A), PCBs (EPA Method 8082), herbicides (EPA Method 8151), and total RCRA 8 metals. The groundwater samples were placed in laboratory-supplied glassware, and stored in an ice-filled cooler.

#### **4.4 Project Quality Assurance/Quality Control Practices**

To assess the collection of samples in the field in terms of the sampling techniques and decontamination procedures followed, quality control and quality assurance samples were collected. Three trip blank samples (TB-1 to TB-3) were prepared by Spectrum Analytical Laboratory and three field blank samples (FB-1 to FB-3) were collected in the field on each sampling day.

The trip blank samples were stored with the daily samples in the sample cooler until subsequent delivery to the laboratory for analysis of VOCs. The field blank water samples were collected by pouring laboratory supplied de-ionized water through an acetate liner and macro-core cutting shoe, and collecting the rinsate in appropriate sample containers. The field blank samples were stored with the daily samples in the cooler until delivery to the laboratory, and were analyzed for the same parameters as the daily samples.

All samples collected in the field were stored in a manner that preserved the integrity of the sample chemistry. Samples intended for organic analyses were stored in an ice-filled cooler until delivery to the laboratory. Chain-of-Custody (COC) forms were filled out and accompanied all samples collected as a legal record of possession of the sample. The COC was initiated in the field and accompanied the containers during sample collection, transportation to the lab, analysis, and final disposal of the sample. All sampling equipment was either dedicated to a specific sample or was decontaminated prior to and between each use. Sampling equipment was not placed near solvents, gasoline, or materials that may impact the integrity of the samples.

## **5.0 DISCUSSION OF SAMPLE RESULTS**

### **5.1 Regulatory Criteria**

The CTDEP adopted Remediation Standard Regulations (Regulations of Connecticut State Agencies, Section 22a-133k-1 to 3 and 22a-133q-1) as of January 31, 1996. The Remediation Standard Regulations (RSRs) apply to any site undergoing voluntary remediation under Public Acts 95-183 or 95-190, a transfer of an "establishment" under Public Act 95-183, or any site as ordered by the CTDEP Commissioner. The Regulations also outline the processes for establishing alternative site-specific numerical standards for certain sites, upon approval by the CTDEP.

The RSRs criteria applicable to the soil, ballast, and groundwater sampled during this investigation are summarized below. The application of these RSRs to the results of the laboratory analyses from this investigation is discussed in subsections 5.2, 5.3, and 5.4 of this section.

**Soils Criteria:** The RSRs are organized into two sets of criteria: the Direct Exposure Criteria (DEC) and the Pollutant Mobility Criteria (PMC). The DEC and PMC are briefly explained in the following sub-sections, in relation to how they would be applicable to the types of analyses conducted on the soil samples collected for this investigation. Please refer to the RSRs for a complete explanation of the Regulations.

#### Direct Exposure Criteria

The purpose of the Direct Exposure Criteria (DEC) is to protect human health from risks associated with the direct contact with or ingestion of various common soil contaminants. The DEC are applicable to soil within approximately 15 feet of the ground surface. Concentrations of contaminants are evaluated based upon mass-based analyses and different criteria are established for residential and commercial/industrial properties. The use of the less stringent commercial/industrial standards requires the placement of a land use restriction on the property.

The DEC is not applicable to inaccessible soils, including soil more than 4 feet below the ground surface, 2 feet below pavement greater than 3 inches thick, or below an existing building, provided that an Environmental Land Use Restriction (ELUR) is placed in effect for the property.

#### Pollutant Mobility Criteria

The purpose of the Pollutant Mobility Criteria (PMC) is to evaluate the potential for contaminants to leach from the soil in concentrations that may degrade groundwater quality. Different numerical criteria are established for GA and GAA groundwater areas, versus GB groundwater areas. Since the project area is situated within a GB groundwater area, the least stringent criteria apply.

**Groundwater Criteria:** Contaminants in the groundwater are compared either to background quality or the Groundwater Protection Criteria (GPC), the Volatilization Criteria, as well as the Surface Water Protection Criteria (SWPC). The GPC, Volatilization Criteria, and SWPC are briefly explained in the following sub-sections, in relation to how they would be applicable to the types of analyses conducted on the groundwater sample collected for this investigation.

#### Groundwater Protection Criteria

The purpose of the Groundwater Protection Criteria is to protect the groundwater quality in areas that have the potential to use groundwater as a drinking water resource (GA & GAA groundwater classification areas). Since the project area is situated in a GB groundwater area, the GPC do not apply to this Site.

#### Volatilization Criteria

The purpose of the Volatilization Criteria standard is to ensure that volatile organic compounds (VOCs) in groundwater do not pose an unacceptable risk to human health due to the inhalation of VOCs that may enter into a structure on the property. The Volatilization Criteria only apply when impacted groundwater is located within 15 feet of the ground surface or any structure. Different criteria exist for residential and commercial/industrial properties. The use of the less stringent commercial/industrial standards requires the placement of an ELUR on the property. Since groundwater was located within 15 feet of the ground surface, the Volatilization Criteria apply to this Site.

#### Surface Water Protection Criteria

The purpose of the Surface Water Protection Criteria (SWPC) standards are to ensure that groundwater discharging to a surface water body will not adversely effect surface water quality. Since groundwater likely discharges to Long Island Sound, the SWPC apply to contaminants detected in the groundwater.

## 5.2 Results of Geoprobe® Boring Soil Sample Analyses

Soil samples collected during the advancement of the Geoprobe® borings were sent to Spectrum Analytical Laboratory for laboratory analyses. Summaries of the laboratory results from the soil samples are presented in Tables 1(a) to 1(l), which are located at the end of this report, and copies of the soil sample analytical results are included in Appendix B. The following summarizes the results of the analyses conducted on the soil samples.

Petroleum hydrocarbons were detected in the soil samples at concentrations ranging from Below Reporting Limits (BRL) to 1,670 parts per million (ppm). The following eleven (11) soil samples contained TPH at concentrations that exceed the CTDEP Residential DEC of 500 ppm: GPIS-8, 2' to 4' sample (1,460 ppm); GPIS-11, 2' to 4' sample (1,120 ppm); GPIS-12, 2' to 4' sample (1,670 ppm); GPIS-13, 4' to 8' sample (1,070 ppm); GPIS-18, 2' to 4' sample (747 ppm); GPIS-21, 2' to 4' sample (833 ppm), GPIS-36, 2' to 4' sample (708 ppm); GPIS-37, 4' to 8' sample (1,130 ppm); GPIS-39, 2' to 4' sample (662 ppm); GPIS-41, 2' to 4' sample (606 ppm); and GPIS-46, 2' to 4' sample (657 ppm). No other sample contained petroleum hydrocarbons at concentrations that exceed any applicable CTDEP RSR criteria.

The VOCs tetrachloroethylene (PCE) and acetone were detected at low concentrations in the GPIS-8, GPIS-11, GPIS-12, GPIS-18, GPIS-29, GPIS-30, GPIS-31, GPIS-32, and GPIS-33 soil samples. The concentrations of VOCs detected in the samples do not exceed any applicable CTDEP RSR criteria.

Various concentrations of base neutral extractable organics (BNs) were detected in the soil samples, and total BN concentrations ranged from BRL to 84.251 ppm. Fourteen (14) soil samples contained concentrations of BNs that exceed applicable CTDEP RSR Criteria. The 2 to 4 foot soil sample from boring GPIS-6 contained the compounds benzo(a)anthracene (1.05 ppm), benzo(a)pyrene (1.07 ppm), benzo(b)fluoranthene (1.27 ppm), and chrysene (1.13 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 0 to 2 foot soil sample from boring GPIS-8 contained the compounds benzo(a)anthracene (5.03 ppm), benzo(a)pyrene (4.11 ppm), benzo(b)fluoranthene (4.67 ppm), benzo(k)fluoranthene (3.21 ppm), chrysene (4.46 ppm), and indeno(1,2,3-cd)pyrene (2.26 ppm) at concentrations that exceed their respective GB PMC. The compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were also detected at concentrations that exceed their respective Residential DEC. In addition, the compound benzo(a)pyrene was detected at a concentration that exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-15 contained the compounds benzo(a)anthracene (2.2 ppm), benzo(a)pyrene (2.23 ppm), benzo(b)fluoranthene (2.37 ppm), benzo(k)fluoranthene (1.73 ppm), chrysene (2.21 ppm), and indeno(1,2,3-cd)pyrene (1.29 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-18 contained the compounds benzo(a)anthracene (6.33 ppm), benzo(a)pyrene (6.16 ppm), benzo(b)fluoranthene (5.76 ppm), benzo(k)fluoranthene (4.92 ppm), chrysene (6.06 ppm), and indeno(1,2,3-cd)pyrene (3.14 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-21 contained the compounds benzo(a)anthracene (3.79 ppm), benzo(a)pyrene (3.03 ppm), benzo(b)fluoranthene (2.48 ppm), benzo(k)fluoranthene (3.17 ppm), chrysene (3.66 ppm), and indeno(1,2,3-cd)pyrene (1.43 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.



The 2 to 4 foot soil sample from boring GPIS-27 contained the compounds benzo(a)anthracene (1.3 ppm), benzo(a)pyrene (1.2 ppm), benzo(b)fluoranthene (1.12 ppm), benzo(k)fluoranthene (1.19 ppm), and chrysene (1.45 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 4 to 8 foot soil sample from boring GPIS-37 contained the compounds benzo(a)anthracene (2.06 ppm), benzo(a)pyrene (1.9 ppm), benzo(b)fluoranthene (1.92 ppm), benzo(k)fluoranthene (1.68 ppm), and chrysene (2.32 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-39 contained the compounds benzo(a)anthracene (1.11 ppm), benzo(b)fluoranthene (1.6 ppm), benzo(k)fluoranthene (1.01 ppm), and chrysene (1.7 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC.

The 2 to 4 foot soil sample from boring GPIS-41 contained the compound benzo(b)fluoranthene (1.13 ppm) at a concentration that exceeds its GB PMC and Residential DEC.

The 2 to 4 foot soil sample from boring GPIS-42 contained the compounds benzo(a)anthracene (1.51 ppm), benzo(a)pyrene (1.33 ppm), benzo(b)fluoranthene (2.08 ppm), benzo(k)fluoranthene (1.21 ppm), and chrysene (2.09 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-43 contained the compounds benzo(a)anthracene (2.3 ppm), benzo(a)pyrene (2.71 ppm), benzo(b)fluoranthene (1.94 ppm), benzo(k)fluoranthene (1.85 ppm), chrysene (2.36 ppm), and indeno(1,2,3-cd)pyrene (1.42 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-44 contained the compounds benzo(a)anthracene (7.03 ppm), benzo(a)pyrene (5.6 ppm), benzo(b)fluoranthene (5.71 ppm), benzo(k)fluoranthene (5.5 ppm), chrysene (6.65 ppm), dibenz(a,h)anthracene (1.2 ppm), and indeno(1,2,3-cd)pyrene (3.43 ppm) at concentrations that exceed their respective GB PMC. The compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were also detected at concentrations that exceed their respective Residential DEC. In addition, the compounds benzo(a)pyrene and dibenz(a,h)anthracene were detected at concentrations that exceed their respective Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-45 contained the compounds benzo(a)anthracene (2.01 ppm), benzo(a)pyrene (1.81 ppm), benzo(b)fluoranthene (2.21 ppm), benzo(k)fluoranthene (1.72 ppm), chrysene (2.22 ppm), and indeno(1,2,3-cd)pyrene (1.22 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

The 2 to 4 foot soil sample from boring GPIS-46 contained the compounds benzo(a)anthracene (3.16 ppm), benzo(a)pyrene (2.55 ppm), benzo(b)fluoranthene (2.48 ppm), benzo(k)fluoranthene (2.73 ppm), chrysene (3.07 ppm), and indeno(1,2,3-cd)pyrene (1.58 ppm) at concentrations that exceed their respective GB PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was detected at a concentration that also exceeds its Commercial/Industrial DEC.

None of the soil samples contained detectable concentrations of pesticides and herbicides. Sixteen (16) soil samples contained PCBs (PCB-1260) at elevated concentrations that exceed applicable CTDEP RSR criteria. The soil samples from borings GPIS-1 (0.0375 ppm), GPIS-8 (0.0465 ppm), GPIS-10 (0.0566 ppm), GPIS-11 (1.21 ppm), GPIS-23 (0.0788 ppm), GPIS-26 (2.28 ppm), GPIS-27 (2.99 ppm), GPIS-30 (0.117 ppm), GPIS-32 (0.451 ppm), GPIS-36 (0.245 ppm), GPIS-39 (0.0707 ppm), GPIS-40 (0.0959 ppm), GPIS-41 (0.0731 ppm), GPIS-42 (0.146 ppm), GPIS-44 (0.376 ppm), and GPIS-45 (0.651 ppm) contained PCBs at concentrations that exceed the GB PMC of 0.005 ppm. In addition, the samples from borings GPIS-11, GPIS-26, and GPIS-27 contained PCBs at concentrations that exceed the Residential DEC of 1 ppm.

Total concentrations of the metals arsenic, barium, cadmium, chromium, lead, mercury, and silver were detected at varying concentrations in the soil samples throughout the site. The following ten (10) soil samples contained total arsenic at concentrations that exceed the CTDEP Residential and Commercial/Industrial DEC of 10 ppm: GPIS-14, 4' to 8' sample (13.4 ppm); GPIS-18, 2' to 4' sample (10.6 ppm); GPIS-35, 4' to 8' sample (11.7 ppm); GPIS-36, 2' to 4' sample (15.3 ppm); GPIS-38, 2' to 4' sample (20.5 ppm); GPIS-39, 2' to 4' sample (11.7 ppm); GPIS-41, 2' to 4' (12.9 ppm); GPIS-42, 2' to 4' sample (13.1 ppm); GPIS-43, 2' to 4' sample (18.2 ppm); and GPIS-44, 2' to 4' sample (16.7 ppm). In addition, the following eleven (11) soil samples contained total lead at concentrations that exceed the CTDEP Residential DEC of 500

ppm: GPIS-18, 2' to 4' sample (1,340 ppm); GPIS-35, 4' to 8' sample (8,510 ppm); GPIS-36, 2' to 4' sample (2,110 ppm); GPIS-37, 4' to 8' foot sample (4,010 ppm); GPIS-38, 2' to 4' sample (4,680 ppm); GPIS-39, 2' to 4' sample (595 ppm); GPIS-42, 2' to 4' sample (598 ppm); GPIS-43, 2' to 4' sample (2,190 ppm); GPIS-44, 2' to 4' sample (2,290 ppm); GPIS-45, 2' to 4' sample (1,020 ppm); and GPIS-46, 2' to 4' sample (2,310 ppm). The concentrations of total lead detected in the GPIS-18, GPIS-35, GPIS-36, GPIS-37, GPIS-38, GPIS-43, GPIS-44, GPIS-45, and GPIS-46 soil samples also exceed the Commercial/Industrial DEC of 1,000 ppm.

Leachable concentrations (via SPLP) of barium, chromium, and lead were detected at varying concentrations in the soil samples. The following four (4) soil samples contained leachable lead at concentrations that exceed the GB PMC of 0.15 ppm: GPIS-35, 4' to 8' sample (0.192 ppm); GPIS-37, 4' to 8' sample (0.356 ppm); GPIS-43, 2' to 4' sample (0.194 ppm); and GPIS-44, 2' to 4' sample (0.148 ppm). No other sample contained leachable metals at concentrations that exceed any applicable CTDEP RSR criteria.

### **5.3 Results of Ballast Grab Sample Analyses**

The ballast grab samples collected during the advancement of the Geoprobe® borings were sent to Spectrum Analytical Laboratory for laboratory analyses. Summaries of the laboratory results from the ballast samples are presented in Tables 2(a) and 2(b), which are located at the end of this report, and copies of the ballast sample analytical results are included in Appendix C. The following summarizes the results of the analyses conducted on the ballast samples. For the purpose of comparison, the results of the ballast sample analyses were compared to the CTDEP RSR soil criteria.

The ballast samples did not contain detectable concentrations of VOCs, pesticides, and herbicides. Petroleum hydrocarbons were detected in the ballast samples at concentrations ranging from Below Reporting Limits (BRL) to 704 ppm. The B-3 ballast sample contained TPH at a concentration of 704 ppm, which exceeds the Residential DEC of 500 ppm. No other sample contained petroleum hydrocarbons at concentrations that exceed any applicable CTDEP RSR criteria.

Various concentrations of base neutral extractable organics (BNs) were detected in the ballast samples, and total BN concentrations ranged from BRL to 6.78 ppm. However, none of the ballast samples contained BNs at concentrations that exceed any applicable CTDEP RSR criteria.

Two (2) ballast samples contained PCBs (PCB-1260) at elevated concentrations that exceed applicable CTDEP RSR criteria. The B-2 (0.0694 ppm) and B-3 (0.719 ppm) ballast samples contained PCBs at concentrations that exceed the GB PMC of 0.005 ppm.

Total and leachable concentrations of the metals barium, cadmium, chromium, and lead were detected at varying concentrations in the ballast samples. However, none of the samples contained total or leachable metal concentrations that exceed any applicable CTDEP RSR criteria.

#### **5.4 Results of Groundwater Grab Sample Analyses**

The three groundwater grab samples (GPIS-6 GW, GPIS-22 GW, and GPIS-39 GW) collected from the site during the advancement of the Geoprobe® borings were sent to Spectrum Analytical Laboratory for laboratory analyses. Summaries of the laboratory results from the groundwater grab samples are presented in Tables 3(a) and 3(b), which are located at the end of this report, and copies of the groundwater analytical results are included in Appendix D. The following summarizes the results of the groundwater grab sample analyses.

None of the groundwater samples contained detectable concentrations of BNs, PCBs, pesticides, and herbicides. The GPIS-39 groundwater sample contained petroleum hydrocarbons at a concentration of 1.0 ppm, which does not exceed any applicable CTDEP RSR criteria. The GPIS-39 groundwater sample also contained the VOC methyl tertiary butyl ether (MTBE) at a low concentration (6.5 ppb) that does not exceed any applicable CTDEP RSR criteria. The GPIS-6 and GPIS-22 groundwater samples did not contain detectable concentrations of petroleum hydrocarbons and VOCs.

The groundwater samples contained total barium, cadmium, chromium, lead, and mercury at varying concentrations. The GPIS-39 groundwater sample contained cadmium (0.0075 ppm), lead (4.35 ppm), and mercury (0.0123 ppm) at concentrations that exceed their respective SWPC. No other samples contained total metals at concentrations that exceed any applicable CTDEP RSR criteria.

### **5.5 Quality Assurance/Quality Control Samples**

The field blank samples (FB-1 to FB-3) and trip blank samples (TB-1 to TB-3) did not contain contaminants at concentrations that exceed any laboratory detection limits. Copies of the analytical reports associated with the quality assurance/quality control samples are included in Appendix E.

## **6.0 DISCUSSION OF AFFECTED RESOURCES**

### **6.1 Soil Area of Environmental Concern**

Based upon the results of laboratory analyses performed on samples collected as part of this Task 210 - Subsurface Site Investigation, soil throughout nearly the entire project area is contaminated with petroleum hydrocarbons, base neutral extractable organics (BNs), PCBs, total arsenic, total lead, and leachable lead at concentrations that exceed the Residential and Commercial/Industrial DEC and GB PMC. The contaminated soil is present at depths ranging from 0 to 8 feet below the ground surface in the soil samples collected from borings GPIS-1, GPIS-6, GPIS-8, GPIS-10 to GPIS-15, GPIS-18, GPIS-21, GPIS-23, GPIS-26, GPIS-27, GPIS-30, GPIS-32, and GPIS-35 through GPIS-46. Due to the widespread presence of contamination detected in the proposed construction area, and previous experience in the New Haven Rail Yard which indicates the potential for significant changes in contamination levels over short distances, the entire project area has been designated an Area of Environmental Concern (AOEC) for soil.

## **6.2 Ballast Area of Environmental Concern**

The B-2 and B-3 ballast samples are contaminated with petroleum hydrocarbons and PCBs at concentrations that exceed the GB PMC and Residential DEC. As a result, the area in the vicinity of those sample locations has been designated a Ballast Area of Environmental Concern (BAOEC)

## **6.3 Groundwater Area of Environmental Concern**

Analytical results from the groundwater sample collected from boring GPIS-39 indicate the presence of total cadmium, lead, and mercury at concentrations that exceed the SWPC. Although the groundwater samples collected from borings GPIS-6 and GPIS-22 did not contain contaminants that exceed any applicable CTDEP RSR criteria, previous experience in the New Haven Rail Yard indicates that much of the groundwater in the surrounding area is contaminated. Since dewatering operations at the site may draw contaminated groundwater from adjacent areas toward the construction site, the entire project area has been designated as a Groundwater Area of Environmental Concern (GWAEOEC).

## 7.0 RECOMMENDATIONS

The results of the Task 210 – Subsurface Site Investigation for the New Haven Rail Yard Interim Shop project in New Haven, Connecticut indicate the presence of petroleum hydrocarbon, base neutral extractable organics (BNs), PCBs, total arsenic, total lead, and leachable lead contamination in shallow soil and ballast samples collected from the project area, at concentrations that exceed the applicable RSR criteria. The contamination was detected in soils ranging in depth from 0 to 8 feet below grade and ballast ranging from 0 to 1 feet below grade. In addition, groundwater collected from the site in the vicinity of boring GPIS-39 is also contaminated with total cadmium, total lead, and total mercury at concentrations that exceed applicable RSR criteria. The entire project area has been designated as an Area of Environmental Concern (AOEC) for soil, as well as a Groundwater Area of Environmental Concern (GWAOEC). In addition, the ballast in the area of sample locations B-2 and B-3 has been designated a Ballast Area of Environmental Concern (BAOEC).

The impacted soil, ballast, and groundwater are not contaminated with VOCs at concentrations that exceed any applicable CTDEP RSR criteria. Therefore, there will be no impact to the Interim Shop building with regards to potential contaminant vapor migration into the structure.

Special considerations for treatment/disposal, dewatering activities, and worker health and safety must be given to the project area in order to ensure compliance with all local, State and Federal laws. Task 310 Plans and Specifications are recommended for all areas of construction within the New Haven Rail Yard Interim Shop project area.



## 8.0 LIMITATIONS

All work product and reports provided by Maguire Group Inc. (MGI) in connection with the performance of this Task 210 - Subsurface Site Investigation are subject to the following limitations:

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services provided to ConnDOT.
2. In preparing this report, MGI has relied on certain information provided by State and local officials and information and representations made by other parties referenced therein, and on information contained in the files of State and/or local agencies made available to MGI at the time of this investigation. To the extent that such files are missing, incomplete or not provided to MGI, MGI is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, MGI did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this investigation.
3. The conclusions and recommendations contained in this report are based in part upon the data from subsurface explorations. The nature and extent of variations between these explorations may not become evident until further explorations are completed. If variations or other latent conditions become evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.
4. The water level readings made for this investigation were made at the times and conditions stated on the boring logs. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall, passage of time and other factors. Should additional data become available in the future, these data should be reviewed by MGI, and the conclusions and recommendations presented herein modified accordingly.

5. Where quantitative laboratory analyses have been conducted by an outside certified laboratory, MGI has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests.
6. If the conclusions and recommendations contained in this report are based, in part, upon various types of chemical data then the conclusions and recommendations are contingent upon the validity of such data. These data have been reviewed and interpretations made in the report. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by MGI and the conclusions and recommendations presented herein modified accordingly.
7. Chemical analyses were performed for specific parameters during the course of this investigation, as described in the text. However, it should be noted that testing for all known chemical constituents was not performed. The conclusions and recommendations contained in this report are based only upon the chemical constituents for which testing was accomplished.

The following qualifications apply to the undersigned's opinion:

The activities described and opinions included herein are based on information gathered during this exploratory site investigation, which was limited in scope in adherence to the terms of our agreement. The professional opinion provided herein is based on the information described in this report.

# TABLES

**TABLE 1(a) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-1	GPIS-2	GPIS-3	GPIS-4	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	4'-8'	2'-4'	2'-4'		
CT ETPH - (ppm)	174	243	175	168	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Acenaphthylene	0.199	BRL	0.18	BRL	84 ppm	1,000/2,500 ppm
Anthracene	0.439	BRL	0.346	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	0.681	BRL	0.637	0.422	1 ppm	1/7.8 ppm
Benzo(a)pyrene	0.609	BRL	0.575	0.397	1 ppm	1/1 ppm
Benzo(b)fluoranthene	0.537	BRL	0.571	0.533	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	0.634	BRL	0.525	0.361	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	0.431	BRL	0.365	0.285	42 ppm	1,000/2,500 ppm
Chrysene	0.719	BRL	0.672	0.558	1 ppm	84/780 ppm
Fluoranthene	1.96	BRL	1.72	0.786	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.357	BRL	0.292	0.251	1 ppm	1/7.8 ppm
2-Methylnaphthalene	0.21	BRL	0.212	0.399	9.8 ppm	474/2,500 ppm
Phenanthrene	1.12	BRL	0.952	0.677	40 ppm	1,000/2,500 ppm
Pyrene	0.899	BRL	0.874	0.607	40 ppm	1,000/2,500 ppm
Total BNs	8.795	BRL	7.921	5.276		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	0.0375	BRL	BRL	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Barium	40.2	251	25.8	62.6		4,700/140,000 ppm
Cadmium	1.02	1.8	1.02	2.7		34/1,000 ppm
Chromium	13.1	11.7	9.72	8.74		100/100 ppm
Lead	136	128	200	112		500/1,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0168	BRL	0.0248	BRL	10.0 ppm	
Lead	BRL	0.0088	BRL	0.0224	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(b) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-5 *	GPIS-6 *	GPIS-7 *	GPIS-8 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	2'-4'	4'-8'	2'-4'		
CT ETPH - (ppm)	BRL	68.8	BRL	1,460	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Acetone	BRL	BRL	BRL	0.144	140 ppm	500/1,000 ppm
Tetrachloroethylene	BRL	BRL	BRL	0.033	1 ppm	12/110 ppm
BNs - Method 8270 (ppm)						
Acenaphthene	BRL	BRL	BRL	0.694	84 ppm	1,000/2,500 ppm
Acenaphthylene	BRL	0.326	BRL	0.663	84 ppm	1,000/2,500 ppm
Anthracene	BRL	0.53	BRL	2.88	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	1.05	BRL	5.03	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	1.07	BRL	4.11	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	1.27	BRL	4.67	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	0.712	BRL	3.21	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	0.695	BRL	2.62	42 ppm	1,000/2,500 ppm
Dibenz(a,h)anthracene	BRL	BRL	BRL	0.531	1 ppm	1/1 ppm
Dibenzofuran	BRL	BRL	BRL	0.788	5.6 ppm	270/2,500 ppm
Chrysene	BRL	1.13	BRL	4.46	1 ppm	84/780 ppm
Fluoranthene	BRL	2.85	BRL	18.5	56 ppm	1,000/2,500 ppm
Fluorene	BRL	BRL	BRL	0.538	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	0.672	BRL	2.26	1 ppm	1/7.8 ppm
2-Methylnaphthalene	BRL	BRL	BRL	1.27	9.8 ppm	474/2,500 ppm
Naphthalene	BRL	BRL	BRL	1.07	56 ppm	1,000/2,500 ppm
Phenanthrene	BRL	1.25	BRL	10.7	40 ppm	1,000/2,500 ppm
Pyrene	BRL	1.97	BRL	9.72	40 ppm	1,000/2,500 ppm
Total BNs	BRL	13.525	BRL	73.714		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	BRL	BRL	0.0465	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Arsenic	BRL	BRL	BRL	7.11		10/10 ppm
Barium	18.6	34.3	13.9	102		4,700/140,000 ppm
Cadmium	BRL	BRL	BRL	2.62		34/1,000 ppm
Chromium	11.7	5.36	4.86	31.0		100/100 ppm
Lead	8.58	62.3	3.96	280		500/1,000 ppm
Mercury	BRL	BRL	BRL	1.51		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	BRL	BRL	BRL	0.0726	10.0 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(c) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-9 *	GPIS-10	GPIS-11 *	GPIS-12	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	2'-4'	2'-4'	2'-4'		
CT ETPH - (ppm)	108	188	1,120	1,670	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Acetone	BRL	BRL	0.126	BRL	140 ppm	500/1,000 ppm
Tetrachloroethylene	BRL	BRL	0.0376	0.0143	1 ppm	12/110 ppm
BNs - Method 8270 (ppm)						
Acenaphthylene	BRL	BRL	0.39	BRL	84 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	0.366	0.359	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	0.366	BRL	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	0.444	0.394	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	0.33	BRL	BRL	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	0.272	BRL	BRL	42 ppm	1,000/2,500 ppm
Chrysene	BRL	0.444	0.541	BRL	1 ppm	84/780 ppm
Fluoranthene	0.22	0.736	0.643	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	0.244	BRL	BRL	1 ppm	1/7.8 ppm
2-Methylnaphthalene	BRL	BRL	1.05	BRL	9.8 ppm	474/2,500 ppm
Naphthalene	BRL	BRL	0.879	BRL	56 ppm	1,000/2,500 ppm
Phenanthrene	BRL	0.292	0.812	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.167	0.544	0.464	BRL	40 ppm	1,000/2,500 ppm
Total BNs	0.387	4.038	5.532	BRL		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	0.0566	1.21	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Barium	13.6	19.7	172	52.2		4,700/140,000 ppm
Cadmium	BRL	0.53	2.3	0.802		34/1,000 ppm
Chromium	38.9	49.3	27.0	9.03		100/100 ppm
Lead	14.2	43.8	258	49.1		500/1,000 ppm
Mercury	BRL	BRL	1.03	BRL		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	BRL	BRL	0.119	0.0234	10.0 ppm	
Chromium	0.0106	0.009	BRL	BRL	0.5 ppm	
Lead	BRL	0.0078	BRL	BRL	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(d) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-13 *	GPIS-14	GPIS-15 *	GPIS-16	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	4'-8'	4'-8'	2'-4'	2'-4'		
CT ETPH - (ppm)	1,070	104	330	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Acenaphthylene	BRL	BRL	0.92	BRL	84 ppm	1,000/2,500 ppm
Anthracene	BRL	BRL	0.857	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	BRL	2.2	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	BRL	2.23	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	BRL	2.37	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	BRL	1.73	BRL	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	BRL	1.47	BRL	42 ppm	1,000/2,500 ppm
Dibenz(a,h)anthracene	BRL	BRL	0.319	BRL	1 ppm	1/1 ppm
Chrysene	0.542	0.259	2.21	BRL	1 ppm	84/780 ppm
Fluoranthene	0.491	0.357	6.99	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	1.29	BRL	1 ppm	1/7.8 ppm
2-Methylnaphthalene	0.977	0.309	0.33	BRL	9.8 ppm	474/2,500 ppm
Phenanthrene	0.8	BRL	2.47	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.452	0.25	4.48	BRL	40 ppm	1,000/2,500 ppm
Total BNs	3.262	1.175	29.866	BRL		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)	BRL	BRL	BRL	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Arsenic	8.88	13.4	BRL	BRL		10/10 ppm
Barium	80.1	54.3	64.3	17.3		4,700/140,000 ppm
Cadmium	0.758	1.01	1.14	BRL		34/1,000 ppm
Chromium	45.8	5.99	6.71	5.15		100/100 ppm
Lead	354	168	136	7.93		500/1,000 ppm
Mercury	2.32	1.2	0.295	BRL		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.016	0.0275	0.019	0.0129	10.0 ppm	
Chromium	0.0071	BRL	BRL	BRL	0.5 ppm	
Lead	0.026	BRL	BRL	BRL	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(e) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-17	GPIS-18	GPIS-19	GPIS-20	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	2'-4'	4'-8'	2'-4'		
CT ETPH - (ppm)	BRL	747	80.9	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Tetrachloroethylene	BRL	0.0367	BRL	BRL	1 ppm	12/110 ppm
BNs - Method 8270 (ppm)						
Acenaphthene	BRL	0.339	BRL	BRL	84 ppm	1,000/2,500 ppm
Acenaphthylene	BRL	2.41	BRL	BRL	84 ppm	1,000/2,500 ppm
Anthracene	BRL	2.53	BRL	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	6.33	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	6.16	BRL	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	5.76	BRL	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	4.92	BRL	BRL	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	3.49	BRL	BRL	42 ppm	1,000/2,500 ppm
Dibenz(a,h)anthracene	BRL	0.982	BRL	BRL	1 ppm	1/1 ppm
Dibenzofuran	BRL	0.846	BRL	BRL	5.6 ppm	270/2,500 ppm
Chrysene	BRL	6.06	BRL	BRL	1 ppm	84/780 ppm
Fluoranthene	BRL	16.8	0.26	BRL	56 ppm	1,000/2,500 ppm
Fluorene	BRL	1.02	BRL	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	3.14	BRL	BRL	1 ppm	1/7.8 ppm
2-Methylnaphthalene	BRL	0.737	BRL	BRL	9.8 ppm	474/2,500 ppm
Naphthalene	BRL	1.07	BRL	BRL	56 ppm	1,000/2,500 ppm
Phenanthrene	BRL	9.17	BRL	BRL	40 ppm	1,000/2,500 ppm
Pyrene	BRL	10.6	0.192	BRL	40 ppm	1,000/2,500 ppm
Total BNs	BRL	82.364	0.452	BRL		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)	BRL	BRL	BRL	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Arsenic	BRL	10.6	BRL	BRL		10/10 ppm
Barium	13.4	178	37.6	9.98		4,700/140,000 ppm
Cadmium	BRL	2.31	0.584	BRL		34/1,000 ppm
Chromium	4.54	34.4	17.7	2.71		100/100 ppm
Lead	3.0	1,340	9.98	1.75		500/1,000 ppm
Mercury	BRL	0.949	BRL	BRL		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0164	0.0416	0.0218	0.0224	10.0 ppm	
Chromium	BRL	0.01	BRL	BRL	0.5 ppm	
Lead	BRL	0.0785	BRL	BRL	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.



**TABLE 1(f) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-21	GPIS-22	GPIS-23	GPIS-24 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	4'-8'	2'-4'	4'-8'		
CT ETPH - (ppm)	833	BRL	58.6	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Acenaphthylene	1.43	BRL	0.499	BRL	84 ppm	1,000/2,500 ppm
Anthracene	1.57	BRL	0.259	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	3.79	BRL	0.478	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	3.03	BRL	0.446	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	2.48	BRL	0.435	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	3.17	BRL	0.527	BRL	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	1.63	BRL	0.305	BRL	42 ppm	1,000/2,500 ppm
Chrysene	3.66	BRL	0.48	BRL	1 ppm	84/780 ppm
Fluoranthene	10.5	BRL	0.991	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	1.43	BRL	0.275	BRL	1 ppm	1/7.8 ppm
Phenanthrene	4.12	BRL	0.291	BRL	40 ppm	1,000/2,500 ppm
Pyrene	6.93	BRL	0.619	BRL	40 ppm	1,000/2,500 ppm
Total BNs	43.74	BRL	5.605	BRL		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	BRL	0.0788	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Barium	74.5	7.95	22.8	8.79		4,700/140,000 ppm
Cadmium	0.802	BRL	BRL	BRL		34/1,000 ppm
Chromium	14.5	3.1	11.3	3.48		100/100 ppm
Lead	63.6	BRL	26.1	BRL		500/1,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0168	0.0091	0.0212	0.0098	10.0 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(g) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-25	GPIS-26	GPIS-27	GPIS-28 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	4'-8'	2'-4'	2'-4'	2'-4'		
CT ETPH - (ppm)	BRL	280	436	BRL	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Acenaphthylene	BRL	0.469	0.708	BRL	84 ppm	1,000/2,500 ppm
Anthracene	BRL	0.454	0.726	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	0.958	1.3	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	0.87	1.2	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	0.781	1.12	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	0.906	1.19	BRL	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	0.601	0.778	BRL	42 ppm	1,000/2,500 ppm
Chrysene	BRL	0.987	1.45	BRL	1 ppm	84/780 ppm
Fluoranthene	0.351	2.8	3.99	BRL	56 ppm	1,000/2,500 ppm
Fluorene	BRL	0.156	BRL	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	0.499	0.624	BRL	1 ppm	1/7.8 ppm
Phenanthrene	BRL	1.38	2.28	BRL	40 ppm	1,000/2,500 ppm
Pyrene	0.27	1.74	2.57	BRL	40 ppm	1,000/2,500 ppm
Total BNs	0.621	12.601	17.936	BRL		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	2.28	2.99	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Barium	34.4	31.3	42.4	43.2		4,700/140,000 ppm
Cadmium	1.43	BRL	0.726	0.891		34/1,000 ppm
Chromium	31.0	12.5	15.7	11.4		100/100 ppm
Lead	26.9	364	276	30.2		500/1,000 ppm
Mercury	0.548	1.3	1.12	BRL		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0229	0.012	0.0109	0.0254	10.0 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(h) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-29 *	GPIS-30 *	GPIS-31 *	GPIS-32 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	4'-8'	2'-4'	2'-4'		
CT ETPH - (ppm)	BRL	298	127	39.5	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Tetrachloroethylene	0.0137	0.0081	0.0116	0.0152	1 ppm	12/110 ppm
BNs - Method 8270 (ppm)	BRL	BRL	BRL	BRL		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	0.117	BRL	0.451	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Barium	32.8	61.0	43.0	20.6		4,700/140,000 ppm
Chromium	2.11	4.4	3.41	5.14		100/100 ppm
Lead	7.43	172	21.2	19.7		500/1,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.012	0.0204	0.0166	0.0134	10.0 ppm	
Lead	BRL	0.0204	BRL	BRL	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(i) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-33 *	GPIS-34 *	GPIS-35 *	GPIS-36	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	4'-8'	4'-8'	4'-8'	2'-4'		
CT ETPH - (ppm)	BRL	BRL	295	708	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Tetrachloroethylene	0.0057	BRL	BRL	BRL	1 ppm	12/110 ppm
BNs - Method 8270 (ppm)						
Acenaphthylene	BRL	BRL	BRL	0.452	84 ppm	1,000/2,500 ppm
Anthracene	BRL	BRL	0.274	0.349	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	BRL	0.758	0.674	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	BRL	0.694	0.597	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	BRL	0.739	0.875	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	BRL	0.553	0.66	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	BRL	0.541	0.442	42 ppm	1,000/2,500 ppm
Chrysene	BRL	BRL	0.939	0.982	1 ppm	84/780 ppm
1,2-Dichlorobenzene	BRL	BRL	BRL	0.218	3.1 ppm	500/1,000 ppm
Fluoranthene	BRL	BRL	1.77	1.63	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	BRL	0.381	0.38	1 ppm	1/7.8 ppm
2-Methylnaphthalene	BRL	BRL	BRL	0.545	9.8 ppm	474/2,500 ppm
Phenanthrene	BRL	BRL	0.863	0.93	40 ppm	1,000/2,500 ppm
Pyrene	BRL	BRL	1.13	1.01	40 ppm	1,000/2,500 ppm
Total BNs	BRL	BRL	8.642	9.744		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	BRL	BRL	0.245	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Arsenic	BRL	BRL	11.7	15.3		10/10 ppm
Barium	17.3	25.6	299	57.3		4,700/140,000 ppm
Cadmium	BRL	BRL	1.97	3.34		34/1,000 ppm
Chromium	5.07	5.65	21.7	33.8		100/100 ppm
Lead	2.95	21.5	8,510	2,110		500/1,000 ppm
Mercury	BRL	BRL	5.12	1.04		20/610 ppm
Silver	BRL	BRL	4.48	5.02		340/10,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.015	0.011	0.0402	0.0246	10.0 ppm	
Lead	BRL	BRL	0.192	0.0422	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(j) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-37 *	GPIS-38 *	GPIS-39	GPIS-40 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	4'-8'	2'-4'	2'-4'	2'-4'		
CT ETPH - (ppm)	<b>1,130</b>	378	<b>662</b>	393	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Acenaphthene	0.436	BRL	BRL	BRL	84 ppm	1,000/2,500 ppm
Acenaphthylene	0.267	0.567	0.621	0.29	84 ppm	1,000/2,500 ppm
Anthracene	0.976	0.389	0.564	0.246	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	<b>2.06</b>	0.819	<b>1.11</b>	0.471	<b>1 ppm</b>	1/7.8 ppm
Benzo(a)pyrene	<b>1.9</b>	0.787	0.939	0.428	<b>1 ppm</b>	<b>1/1 ppm</b>
Benzo(b)fluoranthene	<b>1.92</b>	0.768	<b>1.6</b>	0.481	<b>1 ppm</b>	1/7.8 ppm
Benzo(k)fluoranthene	<b>1.68</b>	0.872	<b>1.01</b>	0.521	<b>1 ppm</b>	8.4/78 ppm
Benzo(g,h,i)perylene	1.13	0.478	0.694	0.407	42 ppm	1,000/2,500 ppm
Dibenz(a,h)anthracene	0.292	BRL	BRL	BRL	1 ppm	1/1 ppm
Dibenzofuran	0.351	BRL	0.299	BRL	5.6 ppm	270/2,500 ppm
Chrysene	<b>2.32</b>	0.961	<b>1.7</b>	0.55	<b>1 ppm</b>	84/780 ppm
Fluoranthene	6.18	2.16	2.31	0.964	56 ppm	1,000/2,500 ppm
Fluorene	0.479	BRL	BRL	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.933	0.415	0.589	0.327	1 ppm	1/7.8 ppm
2-Methylnaphthalene	0.487	0.362	1.61	BRL	9.8 ppm	474/2,500 ppm
Naphthalene	BRL	BRL	0.77	BRL	56 ppm	1,000/2,500 ppm
Phenanthrene	4.35	1.08	1.42	0.427	40 ppm	1,000/2,500 ppm
Pyrene	3.97	1.4	1.63	0.616	40 ppm	1,000/2,500 ppm
Total BNs	29.731	11.058	16.866	5.728		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	BRL	<b>0.0707</b>	<b>0.0959</b>	<b>0.005 ppm</b>	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Arsenic	BRL	<b>20.5</b>	<b>11.7</b>	9.29		<b>10/10 ppm</b>
Barium	151	147	69.7	59.0		4,700/140,000 ppm
Cadmium	3.18	2.22	2.07	0.746		34/1,000 ppm
Chromium	20.6	35.4	18.6	11.4		100/100 ppm
Lead	<b>4,010</b>	<b>4,680</b>	<b>595</b>	172		<b>500/1,000 ppm</b>
Mercury	0.97	BRL	0.934	2.56		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0966	0.0172	0.022	0.0197	10.0 ppm	
Lead	<b>0.356</b>	BRL	0.0264	0.018	<b>0.15 ppm</b>	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(k) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-41 *	GPIS-42	GPIS-43	GPIS-44 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	2'-4'	2'-4'	2'-4'		
CT ETPH - (ppm)	<b>606</b>	483	294	389	2,500 ppm	<b>500/2,500 ppm</b>
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Acenaphthylene	0.373	0.839	0.334	0.305	84 ppm	1,000/2,500 ppm
Anthracene	0.244	0.813	0.459	2.25	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	0.628	<b>1.51</b>	<b>2.3</b>	<b>7.03</b>	<b>1 ppm</b>	<b>1/7.8 ppm</b>
Benzo(a)pyrene	0.664	<b>1.33</b>	<b>2.71</b>	<b>5.6</b>	<b>1 ppm</b>	<b>1/1 ppm</b>
Benzo(b)fluoranthene	<b>1.13</b>	<b>2.08</b>	<b>1.94</b>	<b>5.71</b>	<b>1 ppm</b>	<b>1/7.8 ppm</b>
Benzo(k)fluoranthene	0.682	<b>1.21</b>	<b>1.85</b>	<b>5.5</b>	<b>1 ppm</b>	<b>8.4/78 ppm</b>
Benzo(g,h,i)perylene	0.46	0.844	2.04	3.83	42 ppm	1,000/2,500 ppm
Dibenz(a,h)anthracene	BRL	0.227	0.434	<b>1.2</b>	<b>1 ppm</b>	<b>1/1 ppm</b>
Dibenzofuran	BRL	0.266	BRL	0.245	5.6 ppm	270/2,500 ppm
Chrysene	0.888	<b>2.09</b>	<b>2.36</b>	<b>6.65</b>	<b>1 ppm</b>	<b>84/780 ppm</b>
Fluoranthene	0.982	3.4	4.89	21.5	56 ppm	1,000/2,500 ppm
Fluorene	BRL	0.184	BRL	0.171	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.401	0.76	<b>1.42</b>	<b>3.43</b>	<b>1 ppm</b>	<b>1/7.8 ppm</b>
2-Methylnaphthalene	0.317	0.84	BRL	BRL	9.8 ppm	474/2,500 ppm
Phenanthrene	0.567	1.79	1.19	10.9	40 ppm	1,000/2,500 ppm
Pyrene	0.657	2.37	3.96	9.93	40 ppm	1,000/2,500 ppm
Total BNs	7.993	20.553	25.887	84.251		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	<b>0.0731</b>	<b>0.146</b>	BRL	<b>0.376</b>	<b>0.005 ppm</b>	<b>1/10 ppm</b>
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Arsenic	<b>12.9</b>	<b>13.1</b>	<b>18.2</b>	<b>16.7</b>		<b>10/10 ppm</b>
Barium	70.3	56.6	199	135		4,700/140,000 ppm
Cadmium	1.84	3.55	3.17	1.71		34/1,000 ppm
Chromium	25.8	15.8	11.1	13.4		100/100 ppm
Lead	345	<b>598</b>	<b>2,190</b>	<b>2,290</b>		<b>500/1,000 ppm</b>
Mercury	6.37	0.921	1.73	2.78		20/610 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0346	0.0294	0.0418	0.028	10.0 ppm	
Lead	0.0335	0.0213	<b>0.194</b>	<b>0.148</b>	<b>0.15 ppm</b>	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 1(I) - Results of Geoprobe Boring Soil Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Boring I.D.:	GPIS-45 *	GPIS-46 *	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
Sample Depth:	2'-4'	2'-4'		
CT ETPH - (ppm)	312	657	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL		
BNs - Method 8270 (ppm)				
Acenaphthylene	0.446	BRL	84 ppm	1,000/2,500 ppm
Anthracene	0.833	1.0	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	2.01	3.16	1 ppm	1/7.8 ppm
Benzo(a)pyrene	1.81	2.55	1 ppm	1/1 ppm
Benzo(b)fluoranthene	2.21	2.48	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	1.72	2.73	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	1.4	1.86	42 ppm	1,000/2,500 ppm
Chrysene	2.22	3.07	1 ppm	84/780 ppm
Dibenz(a,h)anthracene	0.413	0.497	1 ppm	1/1 ppm
Fluoranthene	5.99	8.82	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	1.22	1.58	1 ppm	1/7.8 ppm
Phenanthrene	3.01	3.91	40 ppm	1,000/2,500 ppm
Pyrene	3.04	4.16	40 ppm	1,000/2,500 ppm
Total BNs	26.322	35.817		
Pesticides - Method 8081 (ppm)	BRL	BRL		
PCBs - Method 8082 (ppm)				
PCB-1260	0.651	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL		
Total RCRA 8 Metals - ppm				
Arsenic	9.6	BRL		10/10 ppm
Barium	149	116		4,700/140,000 ppm
Cadmium	2.3	2.34		34/1,000 ppm
Chromium	37.0	9.48		100/100 ppm
Lead	1,020	2,310		500/1,000 ppm
Mercury	3.8	8.96		20/610 ppm
SPLP RCRA 8 Metals - ppm				
Barium	0.0382	0.0251	10.0 ppm	
Lead	0.11	0.085	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 2(a) - Results of Ballast Grab Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Sample I.D.:	B-1	B-2	B-3	B-4	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
CT ETPH - (ppm)	BRL	127	704	55.9	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL	BRL	BRL		
BNs - Method 8270 (ppm)						
Anthracene	BRL	BRL	0.259	BRL	400 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BRL	0.161	0.474	BRL	1 ppm	1/7.8 ppm
Benzo(a)pyrene	BRL	0.184	0.563	BRL	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BRL	0.269	0.816	BRL	1 ppm	1/7.8 ppm
Benzo(k)fluoranthene	BRL	0.143	0.396	BRL	1 ppm	8.4/78 ppm
Benzo(g,h,i)perylene	BRL	0.157	0.473	BRL	42 ppm	1,000/2,500 ppm
Bis(2-ethylhexyl)phthalate	BRL	BRL	BRL	1.29	11 ppm	44/410 ppm
Chrysene	BRL	0.219	0.637	BRL	1 ppm	84/780 ppm
Fluoranthene	BRL	0.334	1.09	BRL	56 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BRL	0.139	0.442	BRL	1 ppm	1/7.8 ppm
2-Methylnaphthalene	BRL	BRL	0.217	BRL	9.8 ppm	474/2,500 ppm
Phenanthrene	BRL	0.16	0.62	BRL	40 ppm	1,000/2,500 ppm
Pyrene	BRL	0.267	0.793	BRL	40 ppm	1,000/2,500 ppm
Total BNs	BRL	2.033	6.78	1.29		
Pesticides - Method 8081 (ppm)	BRL	BRL	BRL	BRL		
PCBs - Method 8082 (ppm)						
PCB-1260	BRL	0.0694	0.719	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL	BRL	BRL		
Total RCRA 8 Metals - ppm						
Barium	16.9	10.0	27.6	3.16		4,700/140,000 ppm
Cadmium	0.97	1.03	1.22	1.07		34/1,000 ppm
Chromium	4.42	3.4	10.9	1.24		100/100 ppm
Lead	25.6	66.3	109	3.2		500/1,000 ppm
SPLP RCRA 8 Metals - ppm						
Lead	BRL	BRL	0.009	BRL	0.15 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.



**TABLE 2(b) - Results of Ballast Grab Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Sample I.D.:	B-5	B-6	CTDEP PMC GB Groundwater Area	CTDEP DEC Residential/ Commercial & Industrial
CT ETPH - (ppm)	BRL	64.3	2,500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BRL	BRL		
BNs - Method 8270 (ppm)				
Bis(2-ethylhexyl)phthalate	0.705	0.511	11 ppm	44/410 ppm
Total BNs	0.705	0.511		
Pesticides - Method 8081 (ppm)	BRL	BRL		
PCBs - Method 8082 (ppm)	BRL	BRL	0.005 ppm	1/10 ppm
Herbicides - Method 8151 (ppm)	BRL	BRL		
Total RCRA 8 Metals - ppm				
Barium	3.52	15.8		4,700/140,000 ppm
Cadmium	1.08	0.666		34/1,000 ppm
Chromium	2.25	4.04		100/100 ppm
Lead	BRL	4.05		500/1,000 ppm
SPLP RCRA 8 Metals - ppm	BRL	BRL		

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 3(a) - Results of Groundwater Grab Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Sample I.D.:	GPIS-6 GW	GPIS-22 GW	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	BRL	BRL	None Established	Not Applicable
VOCs - EPA Method 8260 (ppb)	BRL	BRL		
BNs - EPA Method 8270 (ppb)	BRL	BRL		
Pesticides - EPA Method 8081A (ppb)	BRL	BRL		
PCBs - EPA Method 8080 (ppb)	BRL	BRL		
Herbicides - EPA Method 8151 (ppb)	BRL	BRL		
Total RCRA 8 Metals - ppm				Not Applicable
Barium	0.108	0.0805	None Established	
Chromium	BRL	0.0134	0.11 ppm	
Lead	0.0085	0.0117	0.013 ppm	

BRL - Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

**TABLE 3(b) - Results of Groundwater Grab Sample Analyses  
New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

Sample I.D.:	GPIS-39 GW	CTDEP Surface Water Protection Criteria	CTDEP Volatilization Criteria Residential/Commercial & Industrial
CT ETPH (ppm)	1.0	None Established	Not Applicable
VOCs - EPA Method 8260 (ppb) Methyl Tertiary Butyl Ether	6.5	None Established	50,000/50,000 ppb
BNs - EPA Method 8270 (ppb)	BRL		
Pesticides - EPA Method 8081A (ppb)	BRL		
PCBs - EPA Method 8080 (ppb)	BRL		
Herbicides - EPA Method 8151 (ppb)	BRL		
Total RCRA 8 Metals - ppm			Not Applicable
Barium	0.529	None Established	
Cadmium	0.0075	0.006 ppm	
Chromium	0.0316	0.11 ppm	
Lead	4.35	0.013 ppm	
Mercury	0.0123	0.0004 ppm	

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

# **APPENDIX A**

## **Boring Logs**



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-1

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Red-Brown fine to coarse SAND, little Ash & Cinders, trace fine Gravel		0.5	Macro Core 2' to 4'
4.0				0.3	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

<b>Project:</b> Interim Shop	<b>Boring:</b> GPIS-2
<b>Location:</b> New Haven Rail Yard	<b>Inspector:</b> C. Criscuolo
<b>Client:</b> Maguire Group Inc.	<b>Date:</b> 1/25/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL		0.9	Macro Core 0' to 2'
1.0 - 2.0		<b>FILL</b> Black crushed ASPHALT, ASH & CINDERS, trace fine to coarse Gravel		1.8	Macro Core 2' to 4'
2.0 - 4.0					
4.0 - 6.0			6.0	3.1	Macro Core 4' to 8'
6.0 - 7.0		<b>FILL</b> Red-Brown coarse SAND, ASH & CINDERS, trace Silt & fine to coarse Gravel			
7.0 - 8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

<b>Driller:</b> Wayne Lineberry	<b>Boring Dia.:</b> 2"
<b>Rig:</b> Geoprobe 540U	<b>Page:</b> 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

<b>Project:</b> <u>Interim Shop</u>	<b>Boring:</b> <u>GPIS-3</u>
<b>Location:</b> <u>New Haven Rail Yard</u>	<b>Inspector:</b> <u>C. Criscuolo</u>
<b>Client:</b> <u>Maguire Group Inc.</u>	<b>Date:</b> <u>1/27/05</u>

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Red-Brown fine to coarse SAND, little Ash & Cinders, trace fine Gravel		0.4	Macro Core 2' to 4'
4.0				0.2	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

<b>Driller:</b> <u>Wayne Lineberry</u>	<b>Boring Dia.:</b> <u>2"</u>
<b>Rig:</b> <u>Geoprobe 540U</u>	<b>Page:</b> <u>1 of 1</u>

**Project:** Interlm Shop      **Boring:** GPIS-4  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/25/05

**GEOPROBE SOIL BORING LOG**  
**Logical Environmental Solutions**  
354 South River Road  
Tolland, CT 06084  
*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL		1.0	Macro Core 0' to 2'
1.0 - 3.0		<b>FILL</b> Black crushed ASPHALT, ASH & CINDERS, trace fine to coarse Gravel	3.0	3.0	Macro Core 2' to 4'
3.0 - 8.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt, fine Gravel & Seashells		2.7	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry  
**Rig:** Geoprobe 540U

**Boring Dia.:** 2"  
**Page:** 1 of 1





# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-5

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/25/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0.3	Macro Core 0' to 2'
2.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt	3.0	0.9	Macro Core 2' to 4'
3.0		<b>SAND</b> Red-Brown fine SAND, little Silt, trace fine Gravel	5.0		
4.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt, fine Gravel & Seashells		0.5	Macro Core 4' to 8'
5.0					
6.0					
7.0					
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



**GEOPROBE SOIL BORING LOG**  
**Logical Environmental Solutions**  
 354 South River Road  
 Tolland, CT 06084  
 Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interlm Shop      **Boring:** GPIS-6  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/25/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0.1	Macro Core 0' to 2'
1.0 - 2.0		<b>FILL</b> Black Crushed ASPHALT, ASH & CINDERS	1.5 2.0		
2.0 - 3.0		<b>CONCRETE</b> Crushed CONCRETE	2.5	2.5	Macro Core 2' to 4'
3.0 - 4.0		<b>FILL</b> Orange-Brown fine to coarse SAND, trace Silt & fine Gravel	4.0		
4.0 - 6.0		<b>FILL</b> Black ASH, CINDERS, trace Asphalt	6.0	2.1	Macro Core 4' to 8'
6.0 - 8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8' Groundwater Grab Sample Collected			

**Driller:** Wayne Lineberry  
**Rig:** Geoprobe 540U

**Boring Dia.:** 2"  
**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-9

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire-Group Inc.

**Date:** 1/25/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 1.5		<b>SAND</b> Gray-Brown fine to coarse SAND & fine GRAVEL	1.5		
1.5 - 2.0		<b>SAND</b> Gray-Brown fine to coarse SAND & fine GRAVEL			
2.0 - 3.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt		1.3	Macro Core 2' to 4'
3.0 - 4.0					
4.0 - 6.0				0.6	Macro Core 4' to 8'
6.0 - 8.0					
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-10

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/25/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0.1	Macro Core 0' to 2'
1.5		<b>SAND</b> Gray-Brown fine to coarse SAND & fine GRAVEL	1.5		
2.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt		1.1	Macro Core 2' to 4'
4.0				0.3	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Project: Interim Shop

Boring: GPIS-11

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine to coarse Gravel & Asphalt			
3.0				0.2	Macro Core 2' to 4'
4.0					
5.0					
6.0				0.1	Macro Core 4' to 8'
7.0					
7.5		Groundwater at 7.5'			
8.0			8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

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**GEOPROBE SOIL BORING LOG**  
**Logical Environmental Solutions**

354 South River Road  
 Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop      **Boring:** GPIS-14  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.5		<b>SAND and SILT</b> Red-Brown fine SAND & SILT	1.5		
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine to coarse Gravel		0.8	Macro Core 2' to 4'
4.0				1.5	Macro Core 4' to 8'
7.5		Groundwater at 7.5'			
8.0			8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Rig:** Geoprobe 540U

**Boring Dia.:** 2"

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-15

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0		Macro Core 0' to 2'
1.0 - 1.5		<b>SAND and SILT</b> Red-Brown fine SAND & SILT	1.5	0	
1.5 - 3.0		<b>FILL</b> Black ASH & CINDERS, trace fine to coarse Gravel		0.9	Macro Core 2' to 4'
3.0 - 4.0					
4.0 - 6.0				0.4	Macro Core 4' to 8'
6.0 - 7.5					
7.5		Groundwater at 7.5'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Project: Interim Shop

Boring: GPIS-16

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 1.5		<b>FILL</b> Brown fine SAND, trace fine to coarse Gravel, Seashells, & Cinders	1.5		
1.5 - 2.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt & fine Gravel		0.5	Macro Core 2' to 4'
2.0 - 4.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt & fine Gravel		0.2	Macro Core 4' to 8'
7.0 - 7.5		Groundwater at 7.5'	7.5		
7.5 - 8.0		<b>SILTY SAND</b> Brown fine SAND, little Silt	8.0		
8.0 - 20.0		End of Boring at 8'			

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

Page: 1 of 1





# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

**Project:** Interim Shop

**Boring:** GPIS-20

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
-1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.5	0	Macro Core 0' to 2'
-2.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace fine Gravel			
-3.0				0.1	Macro Core 2' to 4'
-4.0					
-5.0					
-6.0				0	Macro Core 4' to 8'
-7.0					
-7.5		Groundwater at 7.5'			
-8.0			8.0		
-9.0					
-10.0					
-11.0					
-12.0					
-13.0					
-14.0		End of Boring at 8'			
-15.0					
-16.0					
-17.0					
-18.0					
-19.0					
-20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Project: Interim Shop

Boring: GPIS-21

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.5		<b>FILL</b> Black ASH & CINDERS, little Silt, trace fine Sand	1.5		
2.0		<b>SILTY SAND</b> Red-Brown fine to coarse SAND & SILT	2.0		
3.0		<b>FILL</b> Black ASH & CINDERS, trace fine to coarse Gravel		0.2	Macro Core 2' to 4'
4.0					
5.0				0	Macro Core 4' to 8'
6.0					
7.0		Groundwater at 7.5'			
8.0			8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

Page: 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-23

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.5	0	Macro Core 0' to 2'
2.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace fine Gravel		0.6	Macro Core 2' to 4'
4.0				0.2	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
14.0		End of Boring at 8'			
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geopros

**Project:** Interim Shop

**Boring:** GPIS-24

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/26/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel	2.0		
3.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt		0	Macro Core 2' to 4'
4.0					
5.0					
6.0				0.3	Macro Core 4' to 8'
7.0					
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rlg:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

<b>Project:</b> <u>Interim Shop</u>	<b>Boring:</b> <u>GPIS-25</u>
<b>Location:</b> <u>New Haven Rail Yard</u>	<b>Inspector:</b> <u>C. Criscuolo</u>
<b>Client:</b> <u>Maguire-Group-Inc.</u>	<b>Date:</b> <u>1/27/05</u>

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Brown fine to coarse SAND, little Silt, trace Ash, Brick, Cinders			
3.0				0.5	Macro Core 2' to 4'
5.0			5.0		
6.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt			
7.0			7.0	2.1	Macro Core 4' to 8'
7.5		<b>CLAYEY SILT</b> Groundwater at 7.5'			
8.0		Red-Brown SILT, trace Clay	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-26

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Brown fine to coarse SAND, little Silt, trace Ash, Brick, Cinders			
3.0				0.6	Macro Core 2' to 4'
5.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt	5.0		
6.0				0.1	Macro Core 4' to 8'
7.0		<b>CLAYEY SILT</b> Groundwater at 7.5'	7.0		
8.0		Red-Brown SILT, trace Clay	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1

**Project:** Interim Shop      **Boring:** GPIS-27  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/27/05

## GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 2.0		<b>FILL</b> Brown fine to coarse SAND, little Silt, trace Ash, Brick, Cinders			
2.0 - 3.0				0.7	Macro Core 2' to 4'
3.0 - 5.0			5.0		
5.0 - 6.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt		0.3	Macro Core 4' to 8'
6.0 - 7.0			7.5		
7.0 - 8.0		<b>CLAYEY SILT</b> Red-Brown SILT, trace Clay	8.0		
8.0 - 9.0		Groundwater at 8'			
9.0 - 10.0					
10.0 - 11.0					
11.0 - 12.0					
12.0 - 13.0					
13.0 - 14.0					
14.0 - 15.0		End of Boring at 8'			
15.0 - 16.0					
16.0 - 17.0					
17.0 - 18.0					
18.0 - 19.0					
19.0 - 20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



**GEOPROBE SOIL BORING LOG**  
**Logical Environmental Solutions**  
 354 South River Road  
 Tolland, CT 06084  
*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

**Project:** Interim Shop      **Boring:** GPIS-28  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine Sand			Macro Core 2' to 4'
5.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt	5.0		
8.0		Groundwater at 8'	8.0	0	Macro Core 4' to 8'
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry      **Boring Dia.:** 2"  
**Rig:** Geoprobe 540U      **Page:** 1 of 1





# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Project: Interim Shop

Boring: GPIS-29

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>ASPHALT</b> Crushed ASPAHLT	1.0	0	Macro Core 0' to 2'
1.0 - 8.0		<b>FILL</b> Black fine SAND, trace Silt, Ash, Cinders & fine Gravel		0.9	Macro Core 2' to 4'
				0	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

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**GEOPROBE SOIL BORING LOG**  
**Logical Environmental Solutions**

354 South River Road  
 Tolland, CT 06084

*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

**Project:** Interim Shop

**Boring:** GPIS-30

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		ASPHALT Crushed ASPAHLT	1.0	0	Macro Core 0' to 2'
2.0		FILL Black fine SAND, trace Silt, Ash, Cinders & fine Gravel			
3.0				0.7	Macro Core 2' to 4'
4.0					
5.0					
6.0				1.1	Macro Core 4' to 8'
7.0					
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Project: Interim Shop

Boring: GPIS-31

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		ASPHALT Crushed ASPAHLT	1.0	0	Macro Core 0' to 2'
2.0		FILL Black fine SAND, trace Silt, Ash, Cinders & fine Gravel			
3.0				1.1	Macro Core 2' to 4'
4.0					
5.0					
6.0				0.4	Macro Core 4' to 8'
7.0					
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

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**GEOPROBE SOIL BORING LOG**  
**Logical Environmental Solutions**

354 South River Road  
 Tolland, CT 06084

*Truck, Portable & ATV/Backhoe-Mounted Geoprobos*

**Project:** Interim Shop      **Boring:** GPIS-32  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.5		<b>FILL</b> Black CINDERS, little Black fine to coarse Sand, trace Silt	1.5	0	Macro Core 0' to 2'
1.5 - 7.5		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt & fine Gravel		1.1	Macro Core 2' to 4'
4.0 - 8.0				0.4	Macro Core 4' to 8'
7.5		Groundwater at 7.5	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry      **Boring Dia.:** 2"  
**Rig:** Geoprobe 540U      **Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Project: Interim Shop

Boring: GPIS-33

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		<b>FILL</b> Black CINDERS, little Black fine to coarse Sand, trace Silt	1.5	0	Macro Core 0' to 2'
2.0			<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt & fine Gravel	0.9	Macro Core 2' to 4'
4.0			1.4	Macro Core 4' to 8'	
7.0		Groundwater at 7.5	8.0		
8.0		End of Boring at 8'			
9.0					
10.0					
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

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# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-34

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>SAND</b> Gray-Brown fine to coarse GRAVEL, little fine to coarse Sand, trace Silt	1.0 1.5	1.8	Macro Core 0' to 2'
1.0 - 2.0		<b>FILL</b> Black fine SAND, trace Silt, fine Gravel, Ash & Cinders			
2.0 - 4.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt		2.6	Macro Core 2' to 4'
4.0 - 8.0				5.3	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoproses

**Project:** Interim Shop      **Boring:** GPIS-35  
**Location:** New Haven Rail Yard      **Inspector:** C. Criscuolo  
**Client:** Maguire Group Inc.      **Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 5.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel	5.0	0.5	Macro Core 2' to 4'
5.0 - 8.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt	8.0	1.3	Macro Core 4' to 8'
8.0 - 9.0		Groundwater at 8'			
9.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry      **Boring Dia.:** 2"  
**Rig:** Geoprobe 540U      **Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

**Logical Environmental Solutions**

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-36

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 5.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel	0.7		Macro Core 2' to 4'
5.0 - 8.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt	5.0		
5.0 - 8.0			0.1		Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
9.0 - 14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

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# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-37

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 2.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel			
2.0 - 5.0		<b>SAND</b> Red-Brown fine to coarse SAND, trace Silt	5.0		
5.0 - 7.0		<b>CLAYEY SILT</b> Gray-Brown SILT, trace Clay	7.0	1.3	Macro Core 4' to 8'
7.0 - 8.0		<b>CLAYEY SILT</b> Gray-Brown SILT, trace Clay	8.0		
8.0 - 9.0		Groundwater at 8'			
9.0 - 10.0					
10.0 - 11.0					
11.0 - 12.0					
12.0 - 13.0					
13.0 - 14.0					
14.0 - 15.0		End of Boring at 8'			
15.0 - 16.0					
16.0 - 17.0					
17.0 - 18.0					
18.0 - 19.0					
19.0 - 20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

**Logical Environmental Solutions**

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-38

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0		<b>SAND</b>	0.5		
1.0		Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
2.0		<b>SILT and GRAVEL</b>			
2.0		Red-Brown SILT & fine GRAVEL, trace fine Sand			
3.0		<b>SAND</b>	3.0	0.6	Macro Core 2' to 4'
3.0		Tan fine to coarse SAND, trace Silt & fine Gravel			
4.0		<b>FILL</b>			
4.0		Black ASH & CINDERS, trace fine Gravel			
5.0			5.0		
6.0		<b>SAND</b>			
6.0		Red-Brown fine to coarse SAND, trace Silt		0.1	Macro Core 4' to 8'
7.0			7.0		
8.0		<b>GRAVEL</b>	8.0		
8.0		Gray-Brown SILT, trace Clay			
9.0		Groundwater at 8'			
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interlm Shop

**Boring:** GPIS-39

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 2.0		<b>SAND</b> Red-Brown fine SAND, trace Silt	3.0	0.4	Macro Core 2' to 4'
2.0 - 4.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel			
4.0 - 8.0				0.2	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8' Groundwater Grab Sample Collected			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobe

**Project:** Interim Shop

**Boring:** GPIS-40

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 3.0		<b>SAND</b> Red-Brown fine SAND, trace Silt	3.0	0.3	Macro Core 2' to 4'
3.0 - 8.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		0	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1

**Project:** Interim Shop

**Boring:** GPIS-41

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 3.0		<b>SAND</b> Red-Brown fine SAND, trace Silt	3.0	0.4	Macro Core 2' to 4'
3.0 - 8.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		0.1	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-42

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 3.0		<b>SAND</b> Red-Brown fine SAND, trace Silt	3.0	0.3	Macro Core 2' to 4'
3.0 - 8.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		0.1	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

**Logical Environmental Solutions**

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

**Project:** Interim Shop

**Boring:** GPIS-43

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.0 - 1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL	1.0	0	Macro Core 0' to 2'
1.0 - 2.0		<b>SAND</b> Red-Brown fine SAND, trace Silt	2.0		
2.0 - 4.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		0.7	Macro Core 2' to 4'
4.0 - 8.0				0.2	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0 - 20.0		End of Boring at 8'			

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobe

**Project:** Interim Shop

**Boring:** GPIS-44

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group, Inc.

**Date:** 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.5			0.5		
0.5		<b>GRAVEL</b> Gray medium to coarse GRAVEL		0	Macro Core 0' to 2'
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		0.9	Macro Core 2' to 4'
4.0				0.3	Macro Core 4' to 8'
8.0		Groundwater at 8'	8.0		
8.0					
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



**Project:** Interim Shop

**Boring:** GPIS-45

**Location:** New Haven Rail Yard

**Inspector:** C. Criscuolo

**Client:** Maguire Group Inc.

**Date:** 1/27/05

# GEOPROBE SOIL BORING LOG

**Logical Environmental Solutions**

354 South River Road

Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.5			0.5		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL		0	Macro Core 0' to 2'
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		1.0	Macro Core 2' to 4'
4.0				0.5	Macro Core 4' to 8'
8.0			Groundwater at 8'	8.0	
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

**Driller:** Wayne Lineberry

**Boring Dia.:** 2"

**Rig:** Geoprobe 540U

**Page:** 1 of 1



# GEOPROBE SOIL BORING LOG

## Logical Environmental Solutions

354 South River Road  
Tolland, CT 06084

Truck, Portable & ATV/Backhoe-Mounted Geoprobos

Project: Interim Shop

Boring: GPIS-46

Location: New Haven Rail Yard

Inspector: C. Criscuolo

Client: Maguire Group Inc.

Date: 1/27/05

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
0.5			0.5		
1.0		<b>GRAVEL</b> Gray medium to coarse GRAVEL		0	Macro Core 0' to 2'
2.0		<b>FILL</b> Black ASH & CINDERS, trace fine Gravel		0.8	Macro Core 2' to 4'
4.0					
6.0					0
8.0		Groundwater at 8'	8.0		
9.0					
10.0					
11.0					
12.0					
13.0					
14.0		End of Boring at 8'			
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Driller: Wayne Lineberry

Boring Dia.: 2"

Rig: Geoprobe 540U

Page: 1 of 1

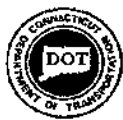
# TASK 210: SUBSURFACE SITE INVESTIGATION

**New Haven Rail Yard Interim Shop  
New Haven, Connecticut**

**Volume 2**

ConnDOT Assignment No. 202-3024  
ConnDOT Project No. 301-81

Prepared for:



State of Connecticut  
Department of Transportation  
Newington, Connecticut 06131

Prepared by:



Maguire Group Inc.  
One Court Street  
New Britain, Connecticut 06051

February 24, 2005

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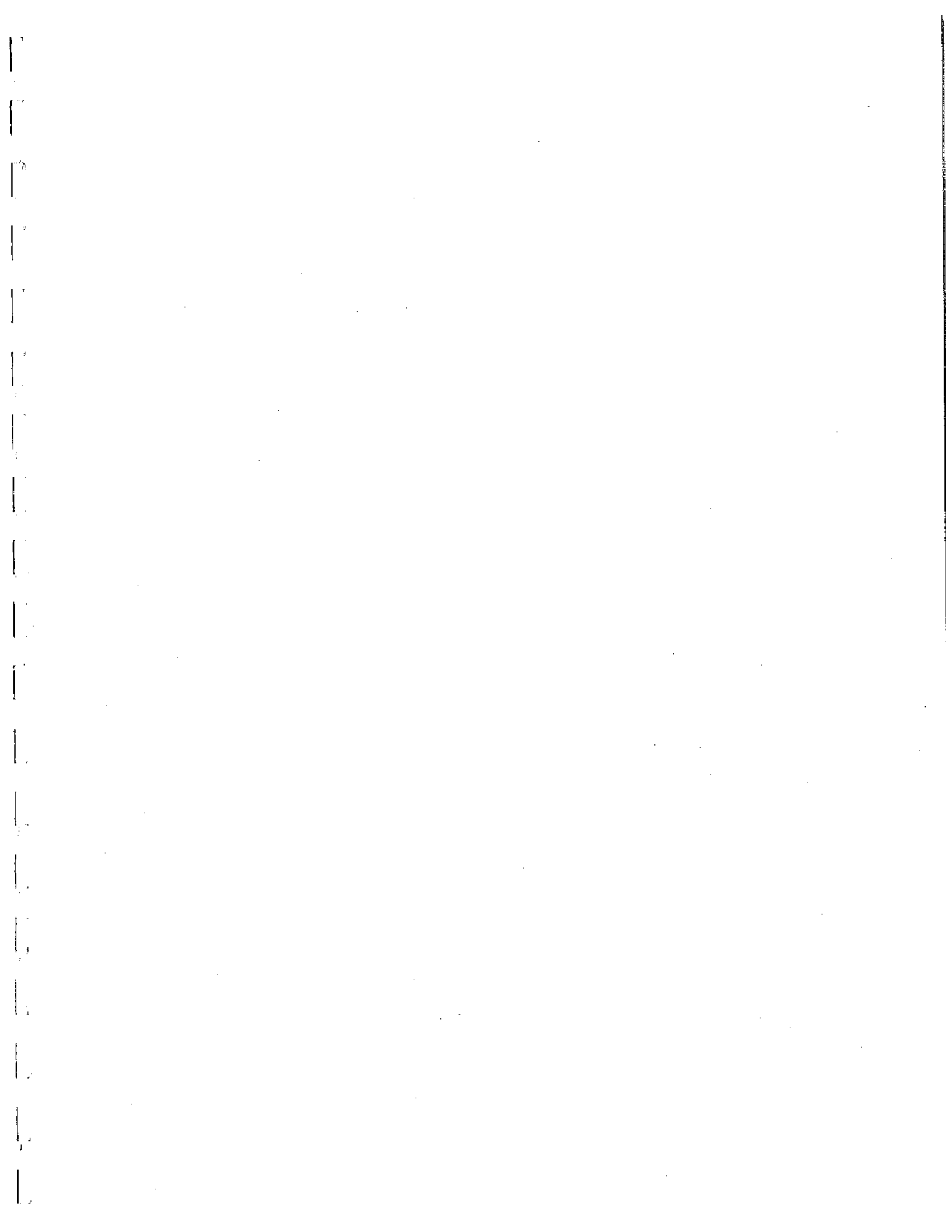
### **Tables**

Table 1(a) to 1(l)	Results of Geoprobe Boring Soil Sample Analyses
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### **Appendices**

Appendix A	Boring Logs
Appendix B	Soil Sample Laboratory Reports (Volume 2)
Appendix C	Ballast Sample Laboratory Reports (Volume 2)
Appendix D	Groundwater Sample Laboratory Reports (Volume 2)
Appendix E	QA/QC Sample Laboratory Reports (Volume 2)

**APPENDIX B**  
**Soil Sample**  
**Laboratory Reports**



## Sample Identification

GP IS-1 2'-4'  
SA23461-01Client Project #  
301-81Matrix  
SoilCollection Date/Time  
27-Jan-05 00:00Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							
Acetone	BRL	113 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	56.6 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	28.3 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	56.6 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.7 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**

GP IS-1 2'-4'  
SA23461-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	56.6 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	56.6 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	97.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.4	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	114	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	31.1 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	31.1 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	31.1 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	31.1 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	31.1 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	31.1 mg/kg dry	1	"	"	"	"	"	
Unidentified	174	31.1 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	31.1 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	174	31.1 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	174	31.1 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	85.6	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.8 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	84.2 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-1 2'-4'  
SA23461-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.8 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	84.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.3	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	81.3	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	33.7 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1260	37.5	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.3	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	81.3	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	57.1	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	156 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	156 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	156 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-1 2'-4'  
SA23461-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
1,3-Dichlorobenzene	BRL	156 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	210	156 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	199	156 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	156 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	156 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	156 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	156 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	156 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	1,120	156 ug/kg dry	1	"	"	"	"	"	"
Anthracene	439	156 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	1,960	156 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Pyrene	899	156 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	156 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	681	156 ug/kg dry	1	"	"	"	"	"	"
Chrysene	719	156 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	156 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	537	156 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	634	156 ug/kg dry	1	"	"	"	"	"	"

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

GP IS-1 2'-4'  
SA23461-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

**Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	609	156 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	357	156 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	156 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	431	156 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	54.9	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	74.3	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	46.6	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	61.0	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	50.6	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	48.0	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.14 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.21 mg/kg dry	1	"	"	"	"	"	
Barium	40.2	1.07 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.02	0.535 mg/kg dry	1	"	"	"	"	"	
Chromium	13.1	1.07 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.174 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	136	1.60 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.21 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	02-Feb-05	02-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0168	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	89.7	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GP IS-2 4'-8'  
A23376-01

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	139 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	13.9 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	69.7 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	34.8 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	13.9 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	13.9 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1-Chlorotoluene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	13.9 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	13.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
3-Hexanone (MBK)	BRL	69.7 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	7.0 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationGP IS-2 4'-8'  
SA23376-01Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	69.7 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	69.7 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	7.0 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	13.9 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	7.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene

98.8

70-130 %

Surrogate: Toluene-d8

99.4

70-130 %

Surrogate: 1,2-Dichloroethane-d4

116

70-130 %

Surrogate: Dibromofluoromethane

104

70-130 %

**Extractable Petroleum Hydrocarbons**Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	40.3 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	40.3 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	40.3 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	40.3 mg/kg dry	1	"	"	"	"	"	
Motor Oil	Calculated as	40.3 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	40.3 mg/kg dry	1	"	"	"	"	"	
Unidentified	243	40.3 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	40.3 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	243	40.3 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	243	40.3 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane

131

40-140 %

**Semivolatile Organic Compounds by GC**Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	24.7 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	123 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Page 3 of 106

**Sample Identification**

GP IS-2 4'-8'  
SA23376-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	24.7 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	49.3 ug/kg dry	1	"	"	"	"	"	R-01
Methoxychlor	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	24.7 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	123 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 83.2

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 70.6

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	49.3 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	49.3 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	49.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 86.2

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 101

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 60.5

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	202 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	202 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	202 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-2 4'-8'  
SA23376-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	202 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	202 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	202 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	202 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	202 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	202 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	202 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	202 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	202 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	202 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	202 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	202 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	202 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	202 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	202 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	202 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	202 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	202 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	202 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	202 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	202 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	202 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	202 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	202 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	202 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	202 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	202 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	202 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	202 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	202 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	202 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	202 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	202 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit . BRL = Below Reporting Limit



Sample Identification

GP IS-2 4'-8'

SA23376-01

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	202 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	202 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	202 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	202 ug/kg dry	1	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	73.0	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	68.0	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	51.0	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	48.3	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	68.0	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	62.3	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.54 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	9.83 mg/kg dry	1	"	"	"	"	"	
Barium	251	1.27 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.80	0.634 mg/kg dry	1	"	"	"	"	"	
Chromium	11.7	1.27 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.218 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	128	1.90 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.81 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	0.0088	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	76.7	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-3 2'-4'  
SA23461-02

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>	
<b>Volatile Organic Compounds</b>										
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES		
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)								VOC10
Acetone	BRL	93.7 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim		
Acrylonitrile	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Benzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Bromobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Bromochloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Bromodichloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Bromoform	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Bromomethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"		
2-Butanone (MEK)	BRL	46.8 ug/kg dry	1	"	"	"	"	"		
n-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
sec-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
tert-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Carbon disulfide	BRL	23.4 ug/kg dry	1	"	"	"	"	"		
Carbon tetrachloride	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Chlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Chloroethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"		
Chloroform	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Chloromethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"		
2-Chlorotoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
4-Chlorotoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	BRL	9.4 ug/kg dry	1	"	"	"	"	"		
Dibromochloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromoethane (EDB)	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Dibromomethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,3-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,4-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Dichlorodifluoromethane (Freon12)	BRL	9.4 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
cis-1,2-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
trans-1,2-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,3-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
2,2-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
cis-1,3-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
trans-1,3-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Ethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Hexachlorobutadiene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
2-Hexanone (MBK)	BRL	46.8 ug/kg dry	1	"	"	"	"	"		
Isopropylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
4-Isopropyltoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"		
Methyl tert-butyl ether	BRL	4.7 ug/kg dry	1	"	"	"	"	"		

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**Sample Identification**

GP IS-3 2'-4'  
5A23461-02

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

*Volatile Organic Compounds by SW846 8260B* Prepared by method SW846 5035A Soil (low level) VOC10

4-Methyl-2-pentanone (MIBK)	BRL	46.8 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	46.8 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.4	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	113	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	101	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

*Extractable Total Petroleum Hydrocarbons* Prepared by method SW846 3545A

Gasoline	BRL	30.7 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	30.7 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
Unidentified	175	30.7 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	30.7 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	175	30.7 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	175	30.7 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	83.4	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC**

*Organochlorine Pesticides SW846 8081A* Prepared by method SW846 3550B

Aldrin	BRL	15.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	77.5 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-3 2'-4'  
SA23461-02**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	15.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	77.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	72.6	30-150 %		"	"	"	"	"	
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Surrogate: Decachlorobiphenyl (Sr)	73.9	30-150 %		"	"	"	"	"	
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**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	31.0 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	31.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	72.6	30-150 %		"	"	"	"	"	
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Surrogate: Decachlorobiphenyl (Sr)	73.9	30-150 %		"	"	"	"	"	
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**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPP	BRL	6700 ug/kg dry	10	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	82.3	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	154 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	154 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	154 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-3 2'-4'

SA23461-02

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	154 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	212	154 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	180	154 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	154 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	154 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	154 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	154 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	154 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	952	154 ug/kg dry	1	"	"	"	"	"	"
Anthracene	346	154 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	1,720	154 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Pyrene	874	154 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	154 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	637	154 ug/kg dry	1	"	"	"	"	"	"
Chrysene	672	154 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	154 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	571	154 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	525	154 ug/kg dry	1	"	"	"	"	"	"

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**Sample Identification**GP IS-3 2'-4'  
SA23461-02**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	575	154 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	292	154 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	154 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	365	154 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	53.7	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	81.3	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	50.1	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	66.7	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-dl4	61.4	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	51.2	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.10 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.15 mg/kg dry	1	"	"	"	"	"	
Barium	25.8	1.05 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.02	0.525 mg/kg dry	1	"	"	"	"	"	
Chromium	9.72	1.05 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.170 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	200	1.58 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.15 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0248	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	92.6	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-4 2'-4'

SA23376-02

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Prepared by method SW846 5035A Soil (low level)</i>									
Acetone	BRL	105 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	52.6 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	26.3 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	52.6 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit

BRL = Below Reporting Limit

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**Sample Identification**GP IS-4 2'-4'  
SA23376-02**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
25-Jan-05 00:00**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	52.6 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	52.6 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	98.2	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	100	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	118	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	105	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	31.6 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	31.6 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
Unidentified	168	31.6 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	31.6 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	168	31.6 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	168	31.6 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	155	40-140 %		"	"	"	"	"	S-02
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**Semivolatile Organic Compounds by GC**Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	18.2 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	90.8 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-4 2'-4'  
SA23376-02

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	18.2 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	36.3 ug/kg dry	1	"	"	"	"	"	R-01
Methoxychlor	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.2 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	90.8 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 75.2

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 122

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	36.3 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	36.3 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	36.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 83.5

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 99.2

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 54.1

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	158 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	158 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-4 2'-4'

SA23376-02

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	158 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	158 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	158 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	158 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	158 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	158 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	399	158 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	158 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	158 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	158 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	158 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	677	158 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	786	158 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	158 ug/kg dry	1	"	"	"	"	"	
Pyrene	607	158 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	422	158 ug/kg dry	1	"	"	"	"	"	
Chrysene	558	158 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	533	158 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	361	158 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-4 2'-4'

SA23376-02

**Client Project #**

301-81

**Matrix**

Soil

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**Received**

26-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	397	158 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	251	158 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	285	158 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.8	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	65.7	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	50.6	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	47.5	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	64.2	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.2	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.06 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	9.80 mg/kg dry	1	"	"	"	"	"	
Barium	62.6	1.03 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.70	0.516 mg/kg dry	1	"	"	"	"	"	
Chromium	8.74	1.03 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.182 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	112	1.55 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.09 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	0.0224	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	89.6	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-5 2'-4'  
SA23376-03

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							VOC10
Acetone	BRL	93.9 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	46.9 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	23.5 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	46.9 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.7 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-5 2'-4'  
SA23376-03

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	46.9 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	46.9 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	101	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	101	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	117	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	29.5 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	29.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	29.5 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	97.0	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.6 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	83.0 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-5 2'-4'  
SA23376-03

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
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**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.6 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	83.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 88.9 30-150 % " " " " "

Surrogate: Decachlorobiphenyl (Sr) 133 30-150 % " " " " "

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	33.2 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 87.7 30-150 % " " " " "

Surrogate: Decachlorobiphenyl (Sr) 99.1 30-150 % " " " " "

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 43.5 40-140 % " " " " "

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	148 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	148 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	148 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-5 2'-4'  
SA23376-03

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

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26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	148 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	148 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	148 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	148 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	148 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	148 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	148 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	148 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	148 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	148 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	148 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	148 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	148 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	148 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	148 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	148 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	148 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	148 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	148 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	148 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	148 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	148 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	148 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	148 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	148 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	148 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	148 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	148 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	148 ug/kg dry	1	"	"	"	"	"	

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301-81**Matrix**  
Soil**Collection Date/Time**  
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26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	148 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	148 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.5	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	67.2	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	47.7	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	44.5	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-dl4	61.1	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	60.8	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.08 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	3.12 mg/kg dry	1	"	"	"	"	"	
Barium	18.6	1.04 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.519 mg/kg dry	1	"	"	"	"	"	
Chromium	11.7	1.04 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.190 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	8.58	1.56 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.12 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	92.0	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

Page 16 of 106



**Sample Identification**

GP IS-6 2'-4'  
SA23376-04

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

25-Jan-05 00:00

**Received**

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Prepared by method SW846 5035A Soil (low level)</i>									
Acetone	BRL	107 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	53.3 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	26.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	53.3 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit

BRL = Below Reporting Limit

**Sample Identification**

GP IS-6 2'-4'  
SA23376-04

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	53.3 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	53.3 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	100	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	104	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	30.5 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	30.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	30.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	30.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	30.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	30.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	68.8	30.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	30.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	68.8	30.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	68.8	30.5 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	98.2	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.3 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	81.6 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-6 2'-4'  
SA23376-04

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.3 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.3 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	81.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.7	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	90.2	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	32.6 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	32.6 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	32.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	79.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	104	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	45.4	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	153 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	153 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	153 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGP IS-6 2'-4'  
SA23376-04Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	153 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	153 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	153 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	153 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	153 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	153 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	153 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	153 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	153 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	153 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	153 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	153 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	153 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	153 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	326	153 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	153 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	153 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	153 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	153 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	153 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	153 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	153 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	153 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	153 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	153 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	153 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	1,250	153 ug/kg dry	1	"	"	"	"	"	
Anthracene	530	153 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	153 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	2,850	153 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	153 ug/kg dry	1	"	"	"	"	"	
Pyrene	1,970	153 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	153 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	153 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	1,050	153 ug/kg dry	1	"	"	"	"	"	
Chrysene	1,130	153 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	153 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	153 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	1,270	153 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	712	153 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGP IS-6 2'-4'  
SA23376-04Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	1,070	153 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	672	153 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	153 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	695	153 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	71.5	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	66.5	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	51.5	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	42.7	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	62.7	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.7	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.12 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	3.18 mg/kg dry	1	"	"	"	"	"	
Barium	34.3	1.06 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.530 mg/kg dry	1	"	"	"	"	"	
Chromium	5.36	1.06 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.190 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	62.3	1.59 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.18 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0300 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	89.8	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-7 4'-8'

SA23376-05

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	121 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	12.1 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	60.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	12.1 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	12.1 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	12.1 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	12.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	60.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.0 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-7 4'-8'

SA23376-05

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

25-Jan-05 00:00

**Received**

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds****Volatile Organic Compounds by SW846 8260B**

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	60.4 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	60.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	12.1 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	99.6	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	99.6	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	117	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons****Extractable Total Petroleum Hydrocarbons**

Prepared by method SW846 3545A

Gasoline	BRL	31.5 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	31.5 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	115	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

Aldrin	BRL	19.2 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	95.9 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-7 4'-8'  
SA23376-05

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

25-Jan-05 00:00

**Received**

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	19.2 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	95.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 83.6

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 84.9

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	38.4 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	38.4 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 77.5

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 83.6

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 46.8

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	158 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	158 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGP IS-7 4'-8'  
SA23376-05Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	158 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	158 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	158 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	158 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	158 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	158 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	158 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	158 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	158 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	158 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	158 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	158 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	158 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-7 4'-8'  
SA23376-05**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
25-Jan-05 00:00**Received**  
26-Jan-05

<b>Analyte(s)</b>	<b>Result</b>	<b>*RDL/Units</b>	<b>Dilution</b>	<b>Method Ref.</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Batch</b>	<b>Analyst</b>	<b>Flag</b>
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	158 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	158 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	72.0	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	64.2	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	52.4	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	43.5	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	62.7	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	57.5	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.10 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	3.15 mg/kg dry	1	"	"	"	"	"	
Barium	13.9	1.05 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.524 mg/kg dry	1	"	"	"	"	"	
Chromium	4.86	1.05 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.180 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	3.96	1.57 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.15 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	86.2	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GPIS-8 2-4ft  
SA23419-01

Client Project #  
301-81

Matrix  
Soil

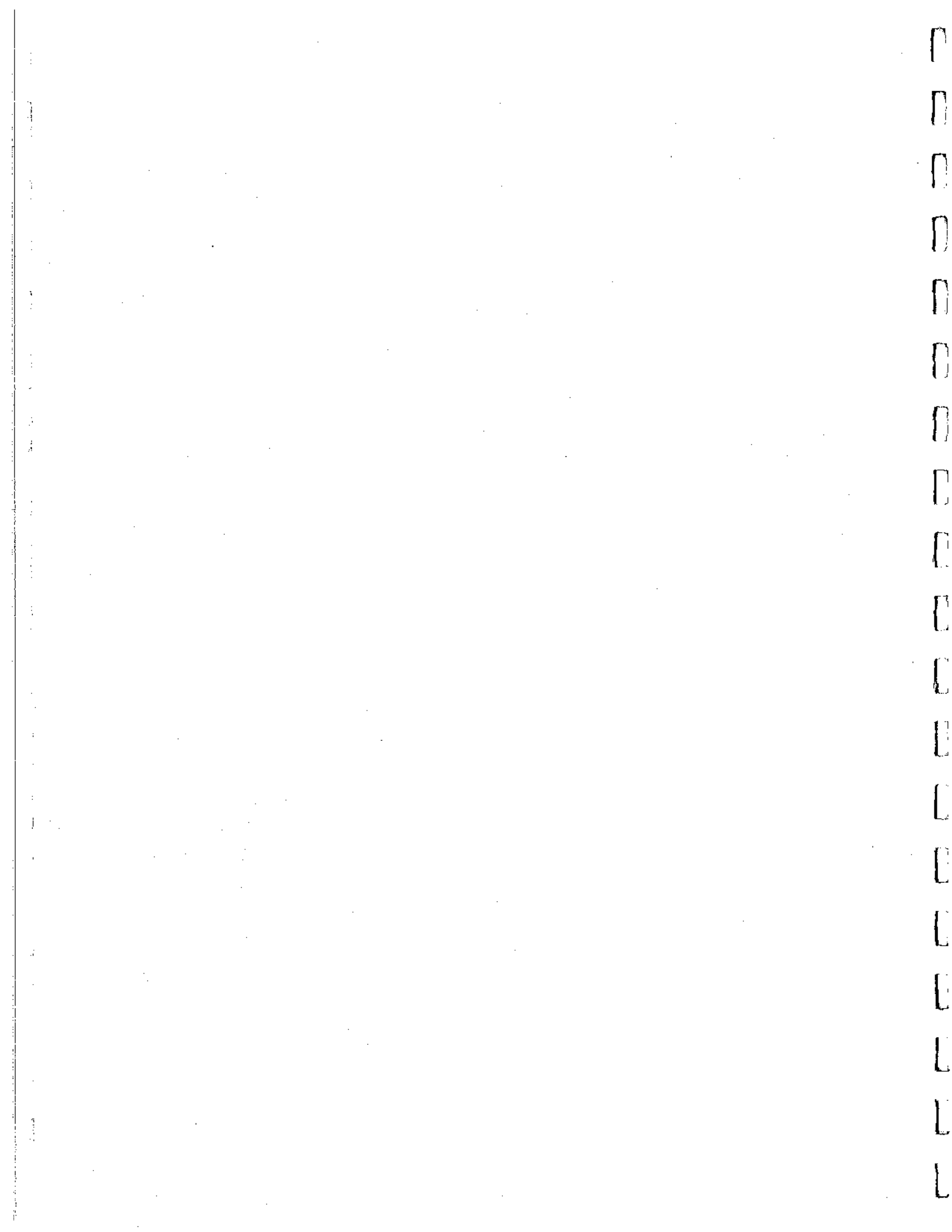
Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	144	120 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	VOC6
Acrylonitrile	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Benzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Bromobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Bromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Bromodichloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Bromoform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Bromomethane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	"
2-Butanone (MEK)	BRL	60.1 ug/kg dry	1	"	"	"	"	"	"
n-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
sec-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
tert-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Carbon disulfide	BRL	30.1 ug/kg dry	1	"	"	"	"	"	"
Carbon tetrachloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Chlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Chloroethane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	"
Chloroform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Chloromethane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	"
2-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
4-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	"
Dibromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Dibromomethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,3-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,4-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Dichlorodifluoromethane (Freon 12)	BRL	12.0 ug/kg dry	1	"	"	"	"	"	"
1,1-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,1-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
cis-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
trans-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,3-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
2,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
1,1-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
cis-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
trans-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Ethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
2-Hexanone (MBK)	BRL	60.1 ug/kg dry	1	"	"	"	"	"	"
Isopropylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
4-Isopropyltoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"
Methyl tert-butyl ether	BRL	6.0 ug/kg dry	1	"	"	"	"	"	"

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\*Reportable Detection Limit BRL = Below Reporting Limit



Sample IdentificationGPIS-8 2-4ft  
SA23419-01Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	60.1 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	60.1 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	33.0	6.0 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	12.0 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	95.4	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	100	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	116	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	105	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	189 mg/kg dry	5	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	189 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #4	BRL	189 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #6	Calculated as	189 mg/kg dry	5	"	"	"	"	"	
Motor Oil	BRL	189 mg/kg dry	5	"	"	"	"	"	
Aviation Fuel	BRL	189 mg/kg dry	5	"	"	"	"	"	
Unidentified	1,460	189 mg/kg dry	5	"	"	"	"	"	
Other Oil	BRL	189 mg/kg dry	5	"	"	"	"	"	
Total Petroleum Hydrocarbons	1,460	189 mg/kg dry	5	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	1,460	189 mg/kg dry	5	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	146	40-140 %	"	"	"	"	"	"	S-02
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**Semivolatile Organic Compounds by GC**Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	18.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	92.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**

GPIS-8 2-4ft  
SA23419-01

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	18.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	92.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	70.7	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	90.5	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	36.9 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1260	465	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	36.9 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	36.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	70.7	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	90.5	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	33.5 ug/kg dry	5	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4-DB	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dalapon	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dicamba	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dinoseb	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dichlorprop	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPA	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPP	BRL	3350 ug/kg dry	5	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	66.1	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	379 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	379 ug/kg dry	2	"	"	"	"	"	
Phenol	BRL	379 ug/kg dry	2	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GPIS-8 2-4ft  
SA23419-01

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

Analyte(s)                      Result                      \*RDL/Units   Dilution   Method Ref.   Prepared   Analyzed   Batch   Analyst   Flag

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
1,3-Dichlorobenzene	BRL	379 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	379 ug/kg dry	2	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	379 ug/kg dry	2	"	"	"	"	"	
Benzyl alcohol	BRL	379 ug/kg dry	2	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	379 ug/kg dry	2	"	"	"	"	"	
Hexachloroethane	BRL	379 ug/kg dry	2	"	"	"	"	"	
Nitrobenzene	BRL	379 ug/kg dry	2	"	"	"	"	"	
Isophorone	BRL	379 ug/kg dry	2	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	379 ug/kg dry	2	"	"	"	"	"	
Benzoic acid	BRL	379 ug/kg dry	2	"	"	"	"	"	
Naphthalene	1,070	379 ug/kg dry	2	"	"	"	"	"	
4-Chloroaniline	BRL	379 ug/kg dry	2	"	"	"	"	"	
Hexachlorobutadiene	BRL	379 ug/kg dry	2	"	"	"	"	"	
2-Methylnaphthalene	1,270	379 ug/kg dry	2	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	379 ug/kg dry	2	"	"	"	"	"	
2-Chloronaphthalene	BRL	379 ug/kg dry	2	"	"	"	"	"	
2-Nitroaniline	BRL	379 ug/kg dry	2	"	"	"	"	"	
Acenaphthylene	663	379 ug/kg dry	2	"	"	"	"	"	
Dimethyl phthalate	BRL	379 ug/kg dry	2	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	379 ug/kg dry	2	"	"	"	"	"	
Acenaphthene	694	379 ug/kg dry	2	"	"	"	"	"	
3-Nitroaniline	BRL	379 ug/kg dry	2	"	"	"	"	"	
Dibenzofuran	788	379 ug/kg dry	2	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	379 ug/kg dry	2	"	"	"	"	"	
Fluorene	538	379 ug/kg dry	2	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	379 ug/kg dry	2	"	"	"	"	"	
Diethyl phthalate	BRL	379 ug/kg dry	2	"	"	"	"	"	
4-Nitroaniline	BRL	379 ug/kg dry	2	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	379 ug/kg dry	2	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	379 ug/kg dry	2	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	379 ug/kg dry	2	"	"	"	"	"	
Hexachlorobenzene	BRL	379 ug/kg dry	2	"	"	"	"	"	
Phenanthrene	10,700	379 ug/kg dry	2	"	"	"	"	"	
Anthracene	2,880	379 ug/kg dry	2	"	"	"	"	"	
Di-n-butyl phthalate	BRL	379 ug/kg dry	2	"	"	"	"	"	
Fluoranthene	18,500	379 ug/kg dry	2	"	"	"	"	"	
Benzidine	BRL	379 ug/kg dry	2	"	"	"	"	"	
Pyrene	9,720	379 ug/kg dry	2	"	"	"	"	"	
Butyl benzyl phthalate	BRL	379 ug/kg dry	2	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	379 ug/kg dry	2	"	"	"	"	"	
Benzo (a) anthracene	5,030	379 ug/kg dry	2	"	"	"	"	"	
Chrysene	4,460	379 ug/kg dry	2	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	379 ug/kg dry	2	"	"	"	"	"	
Di-n-octyl phthalate	BRL	379 ug/kg dry	2	"	"	"	"	"	
Benzo (b) fluoranthene	4,670	379 ug/kg dry	2	"	"	"	"	"	
Benzo (k) fluoranthene	3,210	379 ug/kg dry	2	"	"	"	"	"	

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\*Reportable Detection Limit      BRL = Below Reporting Limit

Sample Identification  
 GPIS-8 2-4ft  
 SA23419-01

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 26-Jan-05 00:00

Received  
 27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	4,110	379 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	2,260	379 ug/kg dry	2	"	"	"	"	"	
Dibenzo (a,h) anthracene	531	379 ug/kg dry	2	"	"	"	"	"	
Benzo (g,h,i) perylene	2,620	379 ug/kg dry	2	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	87.2	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	107	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	89.2	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	94.8	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	86.4	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.6	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.29 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	7.11	3.43 mg/kg dry	1	"	"	"	"	"	
Barium	102	1.14 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.62	0.571 mg/kg dry	1	"	"	"	"	"	
Chromium	31.0	1.14 mg/kg dry	1	"	"	"	"	"	
Mercury	1.51	0.207 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	280	1.71 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.43 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0726	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	85.8	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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\*Reportable Detection Limit BRL = Below Reporting Limit



**Sample Identification**

GP IS-9 2'-4'  
SA23376-06

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	100 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.0 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	50.1 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	25.1 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.0 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.0 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.0 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	50.1 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.0 ug/kg dry	1	"	"	"	"	"	

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GP IS-9 2'-4'  
SA23376-06

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	50.1 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	50.1 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.0 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.0 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	96.4	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	102	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	122	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	108	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	29.4 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	29.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	29.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	29.4 mg/kg dry	1	"	"	"	"	"	
Motor Oil	Calculated as	29.4 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	29.4 mg/kg dry	1	"	"	"	"	"	
Unidentified	108	29.4 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	29.4 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	108	29.4 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	108	29.4 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	124	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.9 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	84.3 ug/kg dry	1	"	"	"	"	"	

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8A23376-06

**Client Project #**

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**Matrix**

Soil

**Collection Date/Time**

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.9 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.9 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	84.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 83.4 30-150 % " " " " " "

Surrogate: Decachlorobiphenyl (Sr) 118 30-150 % " " " " " "

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	33.7 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.7 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 77.4 30-150 % " " " " " "

Surrogate: Decachlorobiphenyl (Sr) 89.3 30-150 % " " " " " "

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 48.9 40-140 % " " " " " "

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	147 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	147 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	147 ug/kg dry	1	"	"	"	"	"	

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GP IS-9 2'-4'  
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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	147 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	147 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	147 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	147 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	147 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	147 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	147 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	147 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	147 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	147 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	147 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	147 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	147 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	147 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	147 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	147 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	147 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	147 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	147 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	147 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	147 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	147 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	147 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	147 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	147 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	147 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	220	147 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	147 ug/kg dry	1	"	"	"	"	"	
Pyrene	167	147 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	147 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	147 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	147 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	147 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	147 ug/kg dry	1	"	"	"	"	"	

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	147 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	147 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.5	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	63.4	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	46.8	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	41.5	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	61.3	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	59.7	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.01 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	3.02 mg/kg dry	1	"	"	"	"	"	
Barium	13.6	1.01 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.503 mg/kg dry	1	"	"	"	"	"	
Chromium	38.9	1.01 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.170 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	14.2	1.51 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.02 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	0.0106	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	95.0	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GP IS-10 2'-4'  
SA23376-07

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	107 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	53.3 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	26.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	53.3 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-10 2'-4'  
SA23376-07

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	53.3 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	53.3 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	96.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.0	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	117	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	101	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	29.8 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
Motor Oil	Calculated as	29.8 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	29.8 mg/kg dry	1	"	"	"	"	"	
Unidentified	188	29.8 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	29.8 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	188	29.8 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	188	29.8 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane 154 40-140 % " " " " " S-02

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.8 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	83.8 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-10 2'-4'  
SA23376-07

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.8 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	33.5 ug/kg dry	1	"	"	"	"	"	R-01
Methoxychlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	83.8 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 80.6

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 85.1

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	33.5 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1260	56.6	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.5 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 81.5

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 95.5

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 44.3

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	150 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	150 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	150 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



**Sample Identification**

GP IS-10 2'-4'  
SA23376-07

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>									
Prepared by method SW846 3545A									
1,3-Dichlorobenzene	BRL	150 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	150 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	150 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	150 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	150 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	150 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	292	150 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	736	150 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Pyrene	544	150 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	150 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	366	150 ug/kg dry	1	"	"	"	"	"	"
Chrysene	444	150 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	150 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	444	150 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	330	150 ug/kg dry	1	"	"	"	"	"	"

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**Sample Identification**GP IS-10 2'-4'  
SA23376-07**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
25-Jan-05 00:00**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	366	150 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	244	150 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	150 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	272	150 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.1	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	72.2	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	56.4	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	48.9	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	71.0	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.7	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.00 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	3.00 mg/kg dry	1	"	"	"	"	"	
Barium	19.7	1.00 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.530	0.500 mg/kg dry	1	"	"	"	"	"	
Chromium	49.3	1.00 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.171 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	43.8	1.50 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	3.00 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	0.0090	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	0.0078	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	91.3	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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**Sample Identification**

GPIS-11 2-4ft  
SA23419-02

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	126	117 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	VOC6
Acrylonitrile	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Benzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Bromobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Bromochloromethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Bromodichloromethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Bromoform	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Bromomethane	BRL	11.7 ug/kg dry	1	"	"	"	"	"	"
2-Butanone (MEK)	BRL	58.4 ug/kg dry	1	"	"	"	"	"	"
n-Butylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
sec-Butylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
tert-Butylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Carbon disulfide	BRL	29.2 ug/kg dry	1	"	"	"	"	"	"
Carbon tetrachloride	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Chlorobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Chloroethane	BRL	11.7 ug/kg dry	1	"	"	"	"	"	"
Chloroform	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Chloromethane	BRL	11.7 ug/kg dry	1	"	"	"	"	"	"
2-Chlorotoluene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
4-Chlorotoluene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	BRL	11.7 ug/kg dry	1	"	"	"	"	"	"
Dibromochloromethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Dibromomethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,3-Dichlorobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,4-Dichlorobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Dichlorodifluoromethane (Freon12)	BRL	11.7 ug/kg dry	1	"	"	"	"	"	"
1,1-Dichloroethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichloroethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,1-Dichloroethene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
cis-1,2-Dichloroethene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
trans-1,2-Dichloroethene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichloropropane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,3-Dichloropropane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
2,2-Dichloropropane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
1,1-Dichloropropene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
cis-1,3-Dichloropropene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
trans-1,3-Dichloropropene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Ethylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
2-Hexanone (MBK)	BRL	58.4 ug/kg dry	1	"	"	"	"	"	"
Isopropylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
4-Isopropyltoluene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"
Methyl tert-butyl ether	BRL	5.8 ug/kg dry	1	"	"	"	"	"	"

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationGPIS-11 2-4ft  
SA23419-02Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
4-Methyl-2-pentanone (MIBK)	BRL	58.4 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	58.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	37.6	5.8 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.8 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.0	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.0	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	112	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<i>Extractable Total Petroleum Hydrocarbons</i> Prepared by method SW846 3545A									
Gasoline	BRL	175 mg/kg dry	5	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	175 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #4	BRL	175 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #6	Calculated as	175 mg/kg dry	5	"	"	"	"	"	
Motor Oil	BRL	175 mg/kg dry	5	"	"	"	"	"	
Aviation Fuel	BRL	175 mg/kg dry	5	"	"	"	"	"	
Unidentified	1,120	175 mg/kg dry	5	"	"	"	"	"	
Other Oil	BRL	175 mg/kg dry	5	"	"	"	"	"	
Total Petroleum Hydrocarbons	1,120	175 mg/kg dry	5	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	1,120	175 mg/kg dry	5	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	152	40-140 %		"	"	"	"	"	S-02
<b>Semivolatile Organic Compounds by GC</b>									
<i>Organochlorine Pesticides SW846 8081A</i> Prepared by method SW846 3550B									
Aldrin	BRL	18.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	92.7 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**

GPIS-11 2-4ft

SA23419-02

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

26-Jan-05 00:00

**Received**

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

**Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	18.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.5 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	92.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	77.8	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	67.8	30-150 %		"	"	"	"	"	

**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	37.1 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1260	1,210	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	37.1 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	77.8	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	67.8	30-150 %		"	"	"	"	"	

**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	33.5 ug/kg dry	5	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4-DB	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dalapon	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dicamba	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dinoseb	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dichlorprop	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPA	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPP	BRL	3350 ug/kg dry	5	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	56.0	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

**Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	352 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	352 ug/kg dry	2	"	"	"	"	"	
Phenol	BRL	352 ug/kg dry	2	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

GPIS-11 2-4ft  
SA23419-02

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	352 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	352 ug/kg dry	2	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Benzyl alcohol	BRL	352 ug/kg dry	2	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	352 ug/kg dry	2	"	"	"	"	"	
Hexachloroethane	BRL	352 ug/kg dry	2	"	"	"	"	"	
Nitrobenzene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Isophorone	BRL	352 ug/kg dry	2	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	352 ug/kg dry	2	"	"	"	"	"	
Benzoic acid	BRL	352 ug/kg dry	2	"	"	"	"	"	
Naphthalene	879	352 ug/kg dry	2	"	"	"	"	"	
4-Chloroaniline	BRL	352 ug/kg dry	2	"	"	"	"	"	
Hexachlorobutadiene	BRL	352 ug/kg dry	2	"	"	"	"	"	
2-Methylnaphthalene	1,050	352 ug/kg dry	2	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	352 ug/kg dry	2	"	"	"	"	"	
2-Chloronaphthalene	BRL	352 ug/kg dry	2	"	"	"	"	"	
2-Nitroaniline	BRL	352 ug/kg dry	2	"	"	"	"	"	
Acenaphthylene	390	352 ug/kg dry	2	"	"	"	"	"	
Dimethyl phthalate	BRL	352 ug/kg dry	2	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Acenaphthene	BRL	352 ug/kg dry	2	"	"	"	"	"	
3-Nitroaniline	BRL	352 ug/kg dry	2	"	"	"	"	"	
Dibenzofuran	BRL	352 ug/kg dry	2	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Fluorene	BRL	352 ug/kg dry	2	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	352 ug/kg dry	2	"	"	"	"	"	
Diethyl phthalate	BRL	352 ug/kg dry	2	"	"	"	"	"	
4-Nitroaniline	BRL	352 ug/kg dry	2	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	352 ug/kg dry	2	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	352 ug/kg dry	2	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	352 ug/kg dry	2	"	"	"	"	"	
Hexachlorobenzene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Phenanthrene	812	352 ug/kg dry	2	"	"	"	"	"	
Anthracene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Di-n-butyl phthalate	BRL	352 ug/kg dry	2	"	"	"	"	"	
Fluoranthene	643	352 ug/kg dry	2	"	"	"	"	"	
Benzidine	BRL	352 ug/kg dry	2	"	"	"	"	"	
Pyrene	464	352 ug/kg dry	2	"	"	"	"	"	
Butyl benzyl phthalate	BRL	352 ug/kg dry	2	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	352 ug/kg dry	2	"	"	"	"	"	
Benzo (a) anthracene	359	352 ug/kg dry	2	"	"	"	"	"	
Chrysene	541	352 ug/kg dry	2	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	352 ug/kg dry	2	"	"	"	"	"	
Di-n-octyl phthalate	BRL	352 ug/kg dry	2	"	"	"	"	"	
Benzo (b) fluoranthene	394	352 ug/kg dry	2	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	352 ug/kg dry	2	"	"	"	"	"	

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\*Reportable Detection Limit

BRL = Below Reporting Limit

**Sample Identification**GPIS-11 2-4ft  
SA23419-02**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	352 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	352 ug/kg dry	2	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	352 ug/kg dry	2	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	73.0	30-130 %		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	97.2	30-130 %		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	79.0	30-130 %		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	87.9	30-130 %		"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>	78.2	30-130 %		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	76.5	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.23 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.91 mg/kg dry	1	"	"	"	"	"	
Barium	172	1.12 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.30	0.558 mg/kg dry	1	"	"	"	"	"	
Chromium	27.0	1.12 mg/kg dry	1	"	"	"	"	"	
Mercury	1.03	0.186 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	258	1.67 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.35 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.119	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	86.5	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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Sample Identification

GPIS-12 2-ft

SA23419-03

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<b>Volatile Organic Compounds by SW846 8260B</b>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	107 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	53.5 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	26.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	53.5 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit

BRL = Below Reporting Limit

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**Sample Identification**

GPIS-12 2-4ft  
SA23419-03

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	53.5 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	53.5 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	14.3	5.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	95.4	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	98.8	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	115	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	363 mg/kg dry	10	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	363 mg/kg dry	10	"	"	"	"	"	
Fuel Oil #4	BRL	363 mg/kg dry	10	"	"	"	"	"	
Fuel Oil #6	BRL	363 mg/kg dry	10	"	"	"	"	"	
Motor Oil	Calculated as	363 mg/kg dry	10	"	"	"	"	"	
Aviation Fuel	BRL	363 mg/kg dry	10	"	"	"	"	"	
Unidentified	1,670	363 mg/kg dry	10	"	"	"	"	"	
Other Oil	Calculated as	363 mg/kg dry	10	"	"	"	"	"	
Total Petroleum Hydrocarbons	1,670	363 mg/kg dry	10	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	1,670	363 mg/kg dry	10	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	210	40-140 %		"	"	"	"	"	S-02
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	15.9 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	79.3 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGPIS-12 2-4ft  
SA23419-03Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	15.9 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.9 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	79.3 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	64.0	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	98.7	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	31.7 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	31.7 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	64.0	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	98.7	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	33.5 ug/kg dry	5	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4-DB	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dalapon	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dicamba	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dinoseb	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dichlorprop	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPA	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPP	BRL	3350 ug/kg dry	5	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	60.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	911 ug/kg dry	5	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	R-01
Bis(2-chloroethyl)ether	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Phenol	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01

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Sample Identification

GPIS-12 2-4ft  
A23419-03

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	911 ug/kg dry	5	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	R-01
1,4-Dichlorobenzene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
1,2-Dichlorobenzene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzyl alcohol	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Bis(2-chloroisopropyl)ether	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Hexachloroethane	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Nitrobenzene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Isophorone	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Bis(2-chloroethoxy)methane	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzoic acid	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Naphthalene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
4-Chloroaniline	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Hexachlorobutadiene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
2-Methylnaphthalene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Hexachlorocyclopentadiene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
2-Chloronaphthalene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
2-Nitroaniline	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Acenaphthylene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Dimethyl phthalate	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
2,6-Dinitrotoluene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Acenaphthene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
3-Nitroaniline	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Dibenzofuran	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
2,4-Dinitrotoluene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Fluorene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
4-Chlorophenyl phenyl ether	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Diethyl phthalate	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
4-Nitroaniline	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
N-Nitrosodiphenylamine	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Azobenzene/Diphenyldiazine	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
4-Bromophenyl phenyl ether	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Hexachlorobenzene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Phenanthrene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Anthracene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Di-n-butyl phthalate	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Fluoranthene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzidine	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Pyrene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Butyl benzyl phthalate	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
3,3'-Dichlorobenzidine	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzo (a) anthracene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Chrysene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Bis(2-ethylhexyl)phthalate	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Di-n-octyl phthalate	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzo (b) fluoranthene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzo (k) fluoranthene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01

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Sample IdentificationGPIS-12 2-4ft  
SA23419-03Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	911 ug/kg dry	5	SW846 8270C	31-Jan-05	04-Feb-05	5011468	MB	R-01
Indeno (1,2,3-cd) pyrene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Dibenzo (a,h) anthracene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01
Benzo (g,h,i) perylene	BRL	911 ug/kg dry	5	"	"	"	"	"	R-01

Surrogate: 2-Fluorobiphenyl	62.9	30-130 %		"	"	"	"	"	R-01
Surrogate: 2-Fluorophenol	105	30-130 %		"	"	"	"	"	R-01
Surrogate: Nitrobenzene-d5	60.5	30-130 %		"	"	"	"	"	R-01
Surrogate: Phenol-d5	82.8	30-130 %		"	"	"	"	"	R-01
Surrogate: Terphenyl-d14	88.9	30-130 %		"	"	"	"	"	R-01
Surrogate: 2,4,6-Tribromophenol	72.0	30-130 %		"	"	"	"	"	R-01

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.17 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.25 mg/kg dry	1	"	"	"	"	"	
Barium	52.2	1.08 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.802	0.542 mg/kg dry	1	"	"	"	"	"	
Chromium	9.03	1.08 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.195 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	49.1	1.63 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.25 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0234	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	87.4	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	
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**Sample Identification**

GPIS-13 4-8ft  
SA23419-04

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

26-Jan-05 00:00

**Received**

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag	
<b>Volatile Organic Compounds</b>										
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN		
<i>Volatile Organic Compounds by SW846 8260B</i>										
				Prepared by method SW846 5035A Soil (low level)					VOC10	
Acetone	BRL	135 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ		
Acrylonitrile	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Benzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Bromobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Bromochloromethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Bromodichloromethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Bromoform	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Bromomethane	BRL	13.5 ug/kg dry	1	"	"	"	"	"		
2-Butanone (MEK)	BRL	67.3 ug/kg dry	1	"	"	"	"	"		
n-Butylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
sec-Butylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
tert-Butylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Carbon disulfide	BRL	33.6 ug/kg dry	1	"	"	"	"	"		
Carbon tetrachloride	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Chlorobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Chloroethane	BRL	13.5 ug/kg dry	1	"	"	"	"	"		
Chloroform	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Chloromethane	BRL	13.5 ug/kg dry	1	"	"	"	"	"		
2-Chlorotoluene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
4-Chlorotoluene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	BRL	13.5 ug/kg dry	1	"	"	"	"	"		
Dibromochloromethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromoethane (EDB)	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Dibromomethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichlorobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,3-Dichlorobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,4-Dichlorobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Dichlorodifluoromethane (Freon12)	BRL	13.5 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloroethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
cis-1,2-Dichloroethene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
trans-1,2-Dichloroethene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloropropane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,3-Dichloropropane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
2,2-Dichloropropane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloropropene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
cis-1,3-Dichloropropene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
trans-1,3-Dichloropropene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Ethylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Hexachlorobutadiene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
2-Hexanone (MBK)	BRL	67.3 ug/kg dry	1	"	"	"	"	"		
Isopropylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
4-Isopropyltoluene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Methyl tert-butyl ether	BRL	6.7 ug/kg dry	1	"	"	"	"	"		

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**Sample Identification**

GPIS-13 4-8ft  
SA23419-04

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag	
<b>Volatile Organic Compounds</b>										
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							VOC10	
4-Methyl-2-pentanone (MIBK)	BRL	67.3 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ		
Methylene chloride	BRL	67.3 ug/kg dry	1	"	"	"	"	"		
Naphthalene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
n-Propylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Styrene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,1,1,2-Tetrachloroethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Tetrachloroethene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Toluene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2,3-Trichlorobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2,4-Trichlorobenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,1,1-Trichloroethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,1,2-Trichloroethane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Trichloroethene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Trichlorofluoromethane (Freon 11)	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2,3-Trichloropropane	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,2,4-Trimethylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
1,3,5-Trimethylbenzene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Vinyl chloride	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
m,p-Xylene	BRL	13.5 ug/kg dry	1	"	"	"	"	"		
o-Xylene	BRL	6.7 ug/kg dry	1	"	"	"	"	"		
Surrogate: 4-Bromofluorobenzene	93.6	70-130 %		"	"	"	"	"		
Surrogate: Toluene-d8	99.2	70-130 %		"	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %		"	"	"	"	"		
Surrogate: Dibromofluoromethane	105	70-130 %		"	"	"	"	"		
<b>Extractable Petroleum Hydrocarbons</b>										
<u>Extractable Total Petroleum Hydrocarbons</u>		Prepared by method SW846 3545A								
Gasoline	BRL	215 mg/kg dry	5	+CT EIPH	31-Jan-05	02-Feb-05	5011469	KG		
Fuel Oil #2	BRL	215 mg/kg dry	5	"	"	"	"	"		
Fuel Oil #4	BRL	215 mg/kg dry	5	"	"	"	"	"		
Fuel Oil #6	Calculated as	215 mg/kg dry	5	"	"	"	"	"		
Motor Oil	BRL	215 mg/kg dry	5	"	"	"	"	"		
Aviation Fuel	BRL	215 mg/kg dry	5	"	"	"	"	"		
Unidentified	1,070	215 mg/kg dry	5	"	"	"	"	"		
Other Oil	BRL	215 mg/kg dry	5	"	"	"	"	"		
Total Petroleum Hydrocarbons	1,070	215 mg/kg dry	5	"	"	"	"	"		
C9-C36 Aliphatic Hydrocarbons	1,070	215 mg/kg dry	5	"	"	"	"	"		
Surrogate: 1-Chlorooctadecane	157	40-140 %		"	"	"	"	"	S-02	
<b>Semivolatile Organic Compounds by GC</b>										
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B								
Aldrin	BRL	18.3 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG		
a-BHC	BRL	18.3 ug/kg dry	1	"	"	"	"	"		
b-BHC	BRL	18.3 ug/kg dry	1	"	"	"	"	"		
d-BHC	BRL	18.3 ug/kg dry	1	"	"	"	"	"		
g-BHC (Lindane)	BRL	18.3 ug/kg dry	1	"	"	"	"	"		
Chlordane	BRL	91.6 ug/kg dry	1	"	"	"	"	"		

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**Sample Identification**

GPIS-13 4-8ft  
SA23419-04

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3550B									
4,4-DDD (p,p')	BRL	18.3 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	91.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	78.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	115	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3550B									
PCB 1016	BRL	36.6 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	36.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	78.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	115	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3550B									
2,4-D	BRL	33.5 ug/kg dry	5	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4-DB	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dalapon	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dicamba	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dinoseb	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dichlorprop	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPA	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	60.3	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3545A									
N-Nitrosodimethylamine	BRL	430 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	430 ug/kg dry	2	"	"	"	"	"	
Phenol	BRL	430 ug/kg dry	2	"	"	"	"	"	

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Sample Identification

GPIS-13 4-8ft  
SA23419-04

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	430 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	MB	
1,4-Dichlorobenzene	BRL	430 ug/kg dry	2	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Benzyl alcohol	BRL	430 ug/kg dry	2	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	430 ug/kg dry	2	"	"	"	"	"	
Hexachloroethane	BRL	430 ug/kg dry	2	"	"	"	"	"	
Nitrobenzene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Isophorone	BRL	430 ug/kg dry	2	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	430 ug/kg dry	2	"	"	"	"	"	
Benzoic acid	BRL	430 ug/kg dry	2	"	"	"	"	"	
Naphthalene	BRL	430 ug/kg dry	2	"	"	"	"	"	
4-Chloroaniline	BRL	430 ug/kg dry	2	"	"	"	"	"	
Hexachlorobutadiene	BRL	430 ug/kg dry	2	"	"	"	"	"	
2-Methylnaphthalene	977	430 ug/kg dry	2	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	430 ug/kg dry	2	"	"	"	"	"	
2-Chloronaphthalene	BRL	430 ug/kg dry	2	"	"	"	"	"	
2-Nitroaniline	BRL	430 ug/kg dry	2	"	"	"	"	"	
Acenaphthylene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Dimethyl phthalate	BRL	430 ug/kg dry	2	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Acenaphthene	BRL	430 ug/kg dry	2	"	"	"	"	"	
3-Nitroaniline	BRL	430 ug/kg dry	2	"	"	"	"	"	
Dibenzofuran	BRL	430 ug/kg dry	2	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Fluorene	BRL	430 ug/kg dry	2	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	430 ug/kg dry	2	"	"	"	"	"	
Diethyl phthalate	BRL	430 ug/kg dry	2	"	"	"	"	"	
4-Nitroaniline	BRL	430 ug/kg dry	2	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	430 ug/kg dry	2	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	430 ug/kg dry	2	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	430 ug/kg dry	2	"	"	"	"	"	
Hexachlorobenzene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Phenanthrene	800	430 ug/kg dry	2	"	"	"	"	"	
Anthracene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Di-n-butyl phthalate	BRL	430 ug/kg dry	2	"	"	"	"	"	
Fluoranthene	491	430 ug/kg dry	2	"	"	"	"	"	
Benzidine	BRL	430 ug/kg dry	2	"	"	"	"	"	
Pyrene	452	430 ug/kg dry	2	"	"	"	"	"	
Butyl benzyl phthalate	BRL	430 ug/kg dry	2	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	430 ug/kg dry	2	"	"	"	"	"	
Benzo (a) anthracene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Chrysene	542	430 ug/kg dry	2	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	430 ug/kg dry	2	"	"	"	"	"	
Di-n-octyl phthalate	BRL	430 ug/kg dry	2	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	430 ug/kg dry	2	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	430 ug/kg dry	2	"	"	"	"	"	

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Sample IdentificationGPIS-13 4-8ft  
5A23419-04Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	430 ug/kg dry	2	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	430 ug/kg dry	2	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	430 ug/kg dry	2	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	430 ug/kg dry	2	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	68.2	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	96.3	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	58.3	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	83.5	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	78.8	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	73.7	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.61 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	8.88	3.92 mg/kg dry	1	"	"	"	"	"	
Barium	80.1	1.31 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.758	0.653 mg/kg dry	1	"	"	"	"	"	
Chromium	45.8	1.31 mg/kg dry	1	"	"	"	"	"	
Mercury	2.32	0.230 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	354	1.96 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.92 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0160	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	0.0071	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	0.0260	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	76.2	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	
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Sample Identification  
 GPIS-14 4-8ft  
 SA23419-05

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 26-Jan-05 00:00

Received  
 27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>		Prepared by method SW846 5035A Soil (low level)							
Acetone	BRL	149 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	74.7 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	37.4 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	74.7 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	7.5 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GPIS-14 4-8ft  
SA23419-05**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds****Volatile Organic Compounds by SW846 8260B**

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	74.7 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	74.7 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	98.4	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	100	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	106	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons****Extractable Total Petroleum Hydrocarbons**

Prepared by method SW846 3545A

Gasoline	BRL	43.4 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	43.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	43.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	43.4 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	43.4 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	43.4 mg/kg dry	1	"	"	"	"	"	
Unidentified	104	43.4 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	43.4 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	104	43.4 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	104	43.4 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	93.6	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

Aldrin	BRL	21.9 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	110 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GPIS-14 4-8ft  
SA23419-05

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3550B									
4,4-DDD (p,p')	BRL	21.9 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	21.9 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	110 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.3	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	83.1	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3550B									
PCB 1016	BRL	43.8 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	43.8 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.3	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	83.1	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3550B									
2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	87.1	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3545A									
N-Nitrosodimethylamine	BRL	218 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	218 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	218 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GPIS-14 4-8ft

SA23419-05

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatle Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	218 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	218 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	218 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	218 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	218 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	218 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	218 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	218 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	218 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	218 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	218 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	309	218 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	218 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	218 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	218 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	218 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	218 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	218 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	218 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	218 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	218 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	218 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	218 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	218 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	218 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	218 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	218 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	357	218 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	218 ug/kg dry	1	"	"	"	"	"	
Pyrene	250	218 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	218 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	218 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Chrysene	259	218 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	218 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	218 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	218 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

GPIS-14 4-8ft  
SA23419-05

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	218 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	218 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	218 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	78.4	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	97.2	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	78.6	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	86.3	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	82.1	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.2	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.52 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	13.4	3.78 mg/kg dry	1	"	"	"	"	"	
Barium	54.3	1.26 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.01	0.630 mg/kg dry	1	"	"	"	"	"	
Chromium	5.99	1.26 mg/kg dry	1	"	"	"	"	"	
Mercury	1.20	0.242 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	168	1.89 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.78 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0275	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	72.2	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	
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Sample Identification

GPIS-15 2-4ft  
SA23419-06

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	113 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	56.3 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	28.1 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	56.3 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.6 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification  
 GPIS-15 2-4ft  
 SA23419-06

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 26-Jan-05 00:00

Received  
 27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
4-Methyl-2-pentanone (MIBK)	BRL	56.3 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	56.3 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.3 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.0	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	98.8	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	117	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	105	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<i>Extractable Total Petroleum Hydrocarbons</i> Prepared by method SW846 3545A									
Gasoline	BRL	72.3 mg/kg dry	2	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	72.3 mg/kg dry	2	"	"	"	"	"	
Fuel Oil #4	BRL	72.3 mg/kg dry	2	"	"	"	"	"	
Fuel Oil #6	Calculated as	72.3 mg/kg dry	2	"	"	"	"	"	
Motor Oil	BRL	72.3 mg/kg dry	2	"	"	"	"	"	
Aviation Fuel	BRL	72.3 mg/kg dry	2	"	"	"	"	"	
Unidentified	330	72.3 mg/kg dry	2	"	"	"	"	"	
Other Oil	BRL	72.3 mg/kg dry	2	"	"	"	"	"	
Total Petroleum Hydrocarbons	330	72.3 mg/kg dry	2	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	330	72.3 mg/kg dry	2	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	115	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<i>Organochlorine Pesticides SW846 8081A</i> Prepared by method SW846 3550B									
Aldrin	BRL	19.2 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	96.0 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



**Sample Identification**GPIS-15 2-4ft  
SA23419-06**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	19.2 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	19.2 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	96.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.6	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	95.6	30-150 %		"	"	"	"	"	

**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	38.4 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	38.4 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	38.4 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.6	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	95.6	30-150 %		"	"	"	"	"	

**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	26.8 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	2680 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	2680 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	2680 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	77.6	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	181 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	181 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GPIS-15 2-4ft  
SA23419-06

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	181 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	181 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	181 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	181 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	181 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	181 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	330	181 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	181 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	181 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	920	181 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	181 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	181 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	181 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	2,470	181 ug/kg dry	1	"	"	"	"	"	
Anthracene	857	181 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	6,990	181 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	181 ug/kg dry	1	"	"	"	"	"	
Pyrene	4,480	181 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	2,200	181 ug/kg dry	1	"	"	"	"	"	
Chrysene	2,210	181 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	2,370	181 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	1,730	181 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GPIS-15 2-4ft  
SA23419-06**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

26-Jan-05 00:00

**Received**

27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<b><i>Base Neutrals by SW846 8270C</i></b>		<b>Prepared by method SW846 3545A</b>							
Benzo (a) pyrene	2,230	181 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	1,290	181 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	319	181 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	1,470	181 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	66.7	30-130 %		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	94.4	30-130 %		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	69.1	30-130 %		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	80.6	30-130 %		"	"	"	"	"	
<i>Surrogate: Terphenyl-dl4</i>	79.7	30-130 %		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	75.4	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.25 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.37 mg/kg dry	1	"	"	"	"	"	
Barium	64.3	1.12 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.14	0.562 mg/kg dry	1	"	"	"	"	"	
Chromium	6.71	1.12 mg/kg dry	1	"	"	"	"	"	
Mercury	0.295	0.197 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	136	1.69 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.37 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A		SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0190	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0175 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	85.8	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GPIS-16 2-4ft  
SA23419-07**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	103 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.3 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	51.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	25.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.3 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.3 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.3 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	51.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.1 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GPIS-16 2-4ft  
SA23419-07**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Volatile Organic Compounds</b>									
<u><i>Volatile Organic Compounds by SW846 8260B</i></u>		Prepared by method SW846 5035A Soil (low level)							
4-Methyl-2-pentanone (MIBK)	BRL	51.4 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	51.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.3 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.1 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.4	70-130 %		"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	99.2	70-130 %		"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	115	70-130 %		"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	101	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u><i>Extractable Total Petroleum Hydrocarbons</i></u>		Prepared by method SW846 3545A							
Gasoline	BRL	32.8 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	62.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u><i>Organochlorine Pesticides SW846 8081A</i></u>		Prepared by method SW846 3550B							
Aldrin	BRL	17.2 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	17.2 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	17.2 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	17.2 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	17.2 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	85.8 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GPIS-16 2-4ft  
SA23419-07

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

**Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag**

**Semivolatile Organic Compounds by GC**

**Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	17.2 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG
4,4-DDE (p,p')	BRL	17.2 ug/kg dry	1	"	"	"	"	"
4,4-DDT (p,p')	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Dieldrin	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Endosulfan I	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Endosulfan II	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Endosulfan Sulfate	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Endrin	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Endrin Aldehyde	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Heptachlor	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Methoxychlor	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Heptachlor Epoxide	BRL	17.2 ug/kg dry	1	"	"	"	"	"
Toxaphene	BRL	85.8 ug/kg dry	1	"	"	"	"	"

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.6 30-150 % " " " " " "

Surrogate: Decachlorobiphenyl (Sr) 84.5 30-150 % " " " " " "

**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	34.3 ug/kg dry	1	SW846 8082	"	"	"	"
PCB 1221	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1232	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1242	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1248	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1254	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1260	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1262	BRL	34.3 ug/kg dry	1	"	"	"	"	"
PCB 1268	BRL	34.3 ug/kg dry	1	"	"	"	"	"

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.6 30-150 % " " " " " "

Surrogate: Decachlorobiphenyl (Sr) 84.5 30-150 % " " " " " "

**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 79.5 40-140 % " " " " " "

**Semivolatile Organic Compounds by GCMS**

**Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	165 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B
Bis(2-chloroethyl)ether	BRL	165 ug/kg dry	1	"	"	"	"	"
Phenol	BRL	165 ug/kg dry	1	"	"	"	"	"

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Sample Identification

GPIS-16 2-4ft  
SA23419-07

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	165 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	165 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	165 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	165 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	165 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	165 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	165 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	165 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	165 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	165 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	165 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benidine	BRL	165 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	165 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GPIS-16 2-4ft

SA23419-07

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	165 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	165 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	165 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	165 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	63.3	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	86.5	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	61.1	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	76.5	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-dl4	74.2	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	74.2	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.10 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.16 mg/kg dry	1	"	"	"	"	"	"
Barium	17.3	1.05 mg/kg dry	1	"	"	"	"	"	"
Cadmium	BRL	0.526 mg/kg dry	1	"	"	"	"	"	"
Chromium	5.15	1.05 mg/kg dry	1	"	"	"	"	"	"
Mercury	BRL	0.187 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	7.93	1.58 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.16 mg/kg dry	1	"	"	"	"	"	"
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	"
Barium	0.0129	0.0050 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	"
<b>General Chemistry Parameters</b>									
% Solids	92.3	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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Sample Identification

GPIS-17 2-4ft  
SA23419-08

Client Project #

301-81

Matrix

Soil

Collection Date/Time

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<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5030 Soil (high level) <span style="float: right;">VOC8</span>									
Acetone	BRL	1320 ug/kg dry	50	SW846 8260B	01-Feb-05	01-Feb-05	5020035	tim	
Acrylonitrile	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Benzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Bromobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Bromochloromethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Bromodichloromethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Bromoform	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Bromomethane	BRL	132 ug/kg dry	50	"	"	"	"	"	
2-Butanone (MEK)	BRL	658 ug/kg dry	50	"	"	"	"	"	
n-Butylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
sec-Butylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
tert-Butylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Carbon disulfide	BRL	329 ug/kg dry	50	"	"	"	"	"	
Carbon tetrachloride	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Chlorobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Chloroethane	BRL	132 ug/kg dry	50	"	"	"	"	"	
Chloroform	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Chloromethane	BRL	132 ug/kg dry	50	"	"	"	"	"	
2-Chlorotoluene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
4-Chlorotoluene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	132 ug/kg dry	50	"	"	"	"	"	
Dibromochloromethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Dibromomethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	132 ug/kg dry	50	"	"	"	"	"	
1,1-Dichloroethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2-Dichloroethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,1-Dichloroethene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2-Dichloropropane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,3-Dichloropropane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
2,2-Dichloropropane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,1-Dichloropropene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Ethylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Hexachlorobutadiene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
2-Hexanone (MBK)	BRL	658 ug/kg dry	50	"	"	"	"	"	
Isopropylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
4-Isopropyltoluene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Methyl tert-butyl ether	BRL	65.8 ug/kg dry	50	"	"	"	"	"	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

**Sample Identification**

GPIS-17 2-4ft  
SA23419-08

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5030 Soil (high level)

VOC8

4-Methyl-2-pentanone (MIBK)	BRL	658 ug/kg dry	50	SW846 8260B	01-Feb-05	01-Feb-05	5020035	tim	
Methylene chloride	BRL	658 ug/kg dry	50	"	"	"	"	"	
Naphthalene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
n-Propylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Styrene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Tetrachloroethene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Toluene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Trichloroethene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
Vinyl chloride	BRL	65.8 ug/kg dry	50	"	"	"	"	"	
m,p-Xylene	BRL	132 ug/kg dry	50	"	"	"	"	"	
o-Xylene	BRL	65.8 ug/kg dry	50	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	101	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	97.4	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	90.8	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	96.0	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	33.4 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	33.4 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	33.4 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	65.8	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	18.3 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	91.3 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGPIS-17 2-4ft  
SA23419-08Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	18.3 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	91.3 ug/kg dry	1	"	"	"	"	"	
<u>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</u>	73.7	30-150 %		"	"	"	"	"	
<u>Surrogate: Decachlorobiphenyl (Sr)</u>	98.6	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	36.5 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	36.5 ug/kg dry	1	"	"	"	"	"	
<u>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</u>	73.7	30-150 %		"	"	"	"	"	
<u>Surrogate: Decachlorobiphenyl (Sr)</u>	98.6	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	
<u>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</u>	72.0	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	167 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	167 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	167 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGPIS-17 2-4ft  
5A23419-08Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	167 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	167 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	167 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	167 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	167 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	167 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Pyrene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	167 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	167 ug/kg dry	1	"	"	"	"	"	"

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**Sample Identification**GPIS-17 2-4ft  
SA23419-08**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3545A							
Benzo (a) pyrene	BRL	167 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	167 ug/kg dry	1	"	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>	72.8	30-130 %		"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>	96.1	30-130 %		"	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>	73.1	30-130 %		"	"	"	"	"	"
<i>Surrogate: Phenol-d5</i>	88.3	30-130 %		"	"	"	"	"	"
<i>Surrogate: Terphenyl-dl4</i>	83.0	30-130 %		"	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>	82.9	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.29 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.43 mg/kg dry	1	"	"	"	"	"	
Barium	13.4	1.14 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.572 mg/kg dry	1	"	"	"	"	"	
Chromium	4.54	1.14 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.199 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	3.00	1.72 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.43 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0164	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	84.9	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification  
 GPIS-18 2-4ft  
 SA23419-09

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 26-Jan-05 00:00

Received  
 27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	126 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	12.6 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	63.0 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	31.5 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	12.6 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	12.6 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	12.6 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	12.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	63.0 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GPIS-18 2-4ft  
SA23419-09**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
4-Methyl-2-pentanone (MIBK)	BRL	63.0 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	63.0 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	36.7	6.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	12.6 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.3 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.6	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	118	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<i>Extractable Total Petroleum Hydrocarbons</i> Prepared by method SW846 3545A									
Gasoline	BRL	78.2 mg/kg dry	2	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	78.2 mg/kg dry	2	"	"	"	"	"	
Fuel Oil #4	BRL	78.2 mg/kg dry	2	"	"	"	"	"	
Fuel Oil #6	Calculated as	78.2 mg/kg dry	2	"	"	"	"	"	
Motor Oil	BRL	78.2 mg/kg dry	2	"	"	"	"	"	
Aviation Fuel	BRL	78.2 mg/kg dry	2	"	"	"	"	"	
Unidentified	747	78.2 mg/kg dry	2	"	"	"	"	"	
Other Oil	BRL	78.2 mg/kg dry	2	"	"	"	"	"	
Total Petroleum Hydrocarbons	747	78.2 mg/kg dry	2	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	747	78.2 mg/kg dry	2	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	143	40-140 %		"	"	"	"	"	S-02
<b>Semivolatile Organic Compounds by GC</b>									
<i>Organochlorine Pesticides SW846 8081A</i> Prepared by method SW846 3550B									
Aldrin	BRL	20.2 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	20.2 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	20.2 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	20.2 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	20.2 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	101 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GPIS-19 4-8ft  
SA23419-10

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
Acetone	BRL	118 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	11.8 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	59.1 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	29.6 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	11.8 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	11.8 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	11.8 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	11.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	59.1 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.9 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit      BRL = Below Reporting Limit

Sample Identification

GPIS-19 4-8ft

SA23419-10

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method SW846 5035A Soil (low level)						VOC10
4-Methyl-2-pentanone (MIBK)	BRL	59.1 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	59.1 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.8 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.9 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.0	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	116	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>			Prepared by method SW846 3545A						
Gasoline	BRL	35.7 mg/kg dry	1	+CTETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	35.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	35.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	35.7 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	35.7 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	35.7 mg/kg dry	1	"	"	"	"	"	
Unidentified	80.9	35.7 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	35.7 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	80.9	35.7 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	80.9	35.7 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	87.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method SW846 3550B						
Aldrin	BRL	17.7 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	88.6 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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## Sample Identification

GPIS-19 4-8ft  
SA23419-10Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3550B									
4,4-DDD (p,p')	BRL	17.7 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	88.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	80.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	115	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3550B									
PCB 1016	BRL	35.4 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	35.4 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	80.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	115	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3550B									
2,4-D	BRL	26.8 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	26.8 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	2680 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	2680 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	2680 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	78.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3545A									
N-Nitrosodimethylamine	BRL	179 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	179 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	179 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationGPIS-19 4-8ft  
SA23419-10Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	179 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	179 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	179 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	179 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	179 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	179 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	179 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	179 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	179 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	179 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	179 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	179 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	179 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	179 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	179 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	179 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	179 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	179 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	179 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	179 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	179 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	179 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	179 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	179 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	179 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	179 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	260	179 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	179 ug/kg dry	1	"	"	"	"	"	
Pyrene	192	179 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	179 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	179 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	179 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	179 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	179 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	179 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**GPIS-19 4-8ft  
SA23419-10**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<b>Analyte(s)</b>	<b>Result</b>	<b>*RDL/Units</b>	<b>Dilution</b>	<b>Method Ref.</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Batch</b>	<b>Analyst</b>	<b>Flag</b>
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	179 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	179 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	179 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	179 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	73.6	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	95.2	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	73.2	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	87.3	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	82.5	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	83.8	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.25 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.37 mg/kg dry	1	"	"	"	"	"	"
Barium	37.6	1.12 mg/kg dry	1	"	"	"	"	"	"
Cadmium	0.584	0.562 mg/kg dry	1	"	"	"	"	"	"
Chromium	17.7	1.12 mg/kg dry	1	"	"	"	"	"	"
Mercury	BRL	0.200 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	9.98	1.69 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.37 mg/kg dry	1	"	"	"	"	"	"
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	"
Barium	0.0218	0.0050 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	"
<b>General Chemistry Parameters</b>									
% Solids	81.8	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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Sample IdentificationGPIS-20 2-4ft  
SA23419-11Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							
Acetone	BRL	90.8 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Acrylonitrile	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	45.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	22.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	45.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.5 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GPIS-20 2-4ft  
SA23419-11

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	45.4 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	45.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	99.0	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.2	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	112	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	99.0	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	29.0 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	29.0 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	29.0 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	70.6	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	15.1 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	75.6 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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## Sample Identification

GPIS-20 2-4ft  
SA23419-11Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	15.1 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.1 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	75.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	78.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	94.7	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	30.2 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	30.2 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	78.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	94.7	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	107	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	146 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	146 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	146 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationGPIS-20 2-4ft  
SA23419-11Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>					Prepared by method SW846 3545A				
1,3-Dichlorobenzene	BRL	146 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	146 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	146 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	146 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	146 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	146 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	146 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	146 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	146 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	146 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	146 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	146 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	146 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	146 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	146 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	146 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	146 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	146 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	146 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	146 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	146 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	146 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	146 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	146 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	146 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	146 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	146 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	146 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	146 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	146 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	146 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	146 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	146 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GPIS-20 2-4ft  
SA23419-11**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3545A							
Benzo (a) pyrene	BRL	146 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	146 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	146 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	146 ug/kg dry	1	"	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>	63.8	30-130 %		"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>	84.2	30-130 %		"	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>	62.9	30-130 %		"	"	"	"	"	"
<i>Surrogate: Phenol-d5</i>	76.8	30-130 %		"	"	"	"	"	"
<i>Surrogate: Terphenyl-dl4</i>	71.7	30-130 %		"	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>	75.0	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	1.83 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	2.74 mg/kg dry	1	"	"	"	"	"	"
Barium	9.98	0.913 mg/kg dry	1	"	"	"	"	"	"
Cadmium	BRL	0.456 mg/kg dry	1	"	"	"	"	"	"
Chromium	2.71	0.913 mg/kg dry	1	"	"	"	"	"	"
Mercury	BRL	0.160 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	1.75	1.37 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	2.74 mg/kg dry	1	"	"	"	"	"	"
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	"
Barium	0.0224	0.0050 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	"
<b>General Chemistry Parameters</b>									
% Solids	96.3	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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Sample IdentificationGPIS-21 2-4ft  
SA23419-12Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>	
<b>Volatile Organic Compounds</b>										
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN		
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)								VOC10
Acetone	BRL	98.0 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ		
Acrylonitrile	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Benzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Bromobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Bromochloromethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Bromodichloromethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Bromoform	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Bromomethane	BRL	9.8 ug/kg dry	1	"	"	"	"	"		
2-Butanone (MEK)	BRL	49.0 ug/kg dry	1	"	"	"	"	"		
n-Butylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
sec-Butylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
tert-Butylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Carbon disulfide	BRL	24.5 ug/kg dry	1	"	"	"	"	"		
Carbon tetrachloride	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Chlorobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Chloroethane	BRL	9.8 ug/kg dry	1	"	"	"	"	"		
Chloroform	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Chloromethane	BRL	9.8 ug/kg dry	1	"	"	"	"	"		
2-Chlorotoluene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
4-Chlorotoluene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	BRL	9.8 ug/kg dry	1	"	"	"	"	"		
Dibromochloromethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromoethane (EDB)	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Dibromomethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,2-Dichlorobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,3-Dichlorobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,4-Dichlorobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Dichlorodifluoromethane (Freon12)	BRL	9.8 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloroethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
cis-1,2-Dichloroethene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
trans-1,2-Dichloroethene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloropropane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,3-Dichloropropane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
2,2-Dichloropropane	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloropropene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
cis-1,3-Dichloropropene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
trans-1,3-Dichloropropene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Ethylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Hexachlorobutadiene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
2-Hexanone (MBK)	BRL	49.0 ug/kg dry	1	"	"	"	"	"		
Isopropylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
4-Isopropyltoluene	BRL	4.9 ug/kg dry	1	"	"	"	"	"		
Methyl tert-butyl ether	BRL	4.9 ug/kg dry	1	"	"	"	"	"		

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\*Reportable Detection Limit

BRL = Below Reporting Limit

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**Sample Identification**

GPIS-21 2-4ft  
SA23419-12

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	49.0 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	49.0 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.9 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.8 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	98.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.0	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	165 mg/kg dry	5	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	165 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #4	BRL	165 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #6	Calculated as	165 mg/kg dry	5	"	"	"	"	"	
Motor Oil	BRL	165 mg/kg dry	5	"	"	"	"	"	
Aviation Fuel	BRL	165 mg/kg dry	5	"	"	"	"	"	
Unidentified	833	165 mg/kg dry	5	"	"	"	"	"	
Other Oil	BRL	165 mg/kg dry	5	"	"	"	"	"	
Total Petroleum Hydrocarbons	833	165 mg/kg dry	5	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	833	165 mg/kg dry	5	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	132	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.8 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	83.9 ug/kg dry	1	"	"	"	"	"	

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## Sample Identification

GPIS-21 2-4ft  
SA23419-12Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	16.8 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	83.9 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	73.7	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	53.1	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	33.6 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	73.7	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	53.1	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	71.4	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	826 ug/kg dry	5	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	826 ug/kg dry	5	"	"	"	"	"	
Phenol	BRL	826 ug/kg dry	5	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GPIS-21 2-4ft  
SA23419-12

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatle Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	826 ug/kg dry	5	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
1,4-Dichlorobenzene	BRL	826 ug/kg dry	5	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	826 ug/kg dry	5	"	"	"	"	"	
Benzyl alcohol	BRL	826 ug/kg dry	5	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	826 ug/kg dry	5	"	"	"	"	"	
Hexachloroethane	BRL	826 ug/kg dry	5	"	"	"	"	"	
Nitrobenzene	BRL	826 ug/kg dry	5	"	"	"	"	"	
Isophorone	BRL	826 ug/kg dry	5	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	826 ug/kg dry	5	"	"	"	"	"	
Benzoic acid	BRL	826 ug/kg dry	5	"	"	"	"	"	
Naphthalene	BRL	826 ug/kg dry	5	"	"	"	"	"	
4-Chloroaniline	BRL	826 ug/kg dry	5	"	"	"	"	"	
Hexachlorobutadiene	BRL	826 ug/kg dry	5	"	"	"	"	"	
2-Methylnaphthalene	BRL	826 ug/kg dry	5	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	826 ug/kg dry	5	"	"	"	"	"	
2-Chloronaphthalene	BRL	826 ug/kg dry	5	"	"	"	"	"	
2-Nitroaniline	BRL	826 ug/kg dry	5	"	"	"	"	"	
Acenaphthylene	1,430	826 ug/kg dry	5	"	"	"	"	"	
Dimethyl phthalate	BRL	826 ug/kg dry	5	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	826 ug/kg dry	5	"	"	"	"	"	
Acenaphthene	BRL	826 ug/kg dry	5	"	"	"	"	"	
3-Nitroaniline	BRL	826 ug/kg dry	5	"	"	"	"	"	
Dibenzofuran	BRL	826 ug/kg dry	5	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	826 ug/kg dry	5	"	"	"	"	"	
Fluorene	BRL	826 ug/kg dry	5	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	826 ug/kg dry	5	"	"	"	"	"	
Diethyl phthalate	BRL	826 ug/kg dry	5	"	"	"	"	"	
4-Nitroaniline	BRL	826 ug/kg dry	5	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	826 ug/kg dry	5	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	826 ug/kg dry	5	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	826 ug/kg dry	5	"	"	"	"	"	
Hexachlorobenzene	BRL	826 ug/kg dry	5	"	"	"	"	"	
Phenanthrene	4,120	826 ug/kg dry	5	"	"	"	"	"	
Anthracene	1,570	826 ug/kg dry	5	"	"	"	"	"	
Di-n-butyl phthalate	BRL	826 ug/kg dry	5	"	"	"	"	"	
Fluoranthene	10,500	826 ug/kg dry	5	"	"	"	"	"	
Benzidine	BRL	826 ug/kg dry	5	"	"	"	"	"	
Pyrene	6,930	826 ug/kg dry	5	"	"	"	"	"	
Butyl benzyl phthalate	BRL	826 ug/kg dry	5	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	826 ug/kg dry	5	"	"	"	"	"	
Benzo (a) anthracene	3,790	826 ug/kg dry	5	"	"	"	"	"	
Chrysene	3,660	826 ug/kg dry	5	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	826 ug/kg dry	5	"	"	"	"	"	
Di-n-octyl phthalate	BRL	826 ug/kg dry	5	"	"	"	"	"	
Benzo (b) fluoranthene	2,480	826 ug/kg dry	5	"	"	"	"	"	
Benzo (k) fluoranthene	3,170	826 ug/kg dry	5	"	"	"	"	"	

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**Sample Identification**

GPIS-21 2-4ft  
SA23419-12

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatle Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>		Prepared by method SW846 3545A							
Benzo (a) pyrene	3,030	826 ug/kg dry	5	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	1,430	826 ug/kg dry	5	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	826 ug/kg dry	5	"	"	"	"	"	"
Benzo (g,h,i) perylene	1,630	826 ug/kg dry	5	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	67.1	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	94.1	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	46.0	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	75.8	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	85.6	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	76.9	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.11 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.17 mg/kg dry	1	"	"	"	"	"	"
Barium	74.5	1.06 mg/kg dry	1	"	"	"	"	"	"
Cadmium	0.802	0.528 mg/kg dry	1	"	"	"	"	"	"
Chromium	14.5	1.06 mg/kg dry	1	"	"	"	"	"	"
Mercury	BRL	0.197 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	63.6	1.58 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.17 mg/kg dry	1	"	"	"	"	"	"
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	"
Barium	0.0168	0.0050 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	"
<b>General Chemistry Parameters</b>									
% Solids	89.8	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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**Sample Identification**

GPIS-22 4-8ft  
SA23419-13

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Prepared by method SW846 5035A Soil (low level)</i>									
<i>Prepared by method SW846 8260B</i>									
Acetone	BRL	87.3 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	VOC10
Acrylonitrile	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	8.7 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	43.7 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	21.8 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	8.7 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	8.7 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	8.7 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	8.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	43.7 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.4 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GPIS-22 4-8ft

SA23419-13

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
4-Methyl-2-pentanone (MIBK)	BRL	43.7 ug/kg dry	1	SW846 8260B	31-Jan-05	31-Jan-05	5011506	ZZZ	
Methylene chloride	BRL	43.7 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	8.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.4 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	101	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>									
Prepared by method SW846 3545A									
Gasoline	BRL	31.0 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	31.0 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	67.8	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>									
Prepared by method SW846 3550B									
Aldrin	BRL	16.4 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	81.9 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GPIS-22 4-8ft  
SA23419-13

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.4 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	81.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	75.8	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	88.1	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	32.8 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	32.8 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	32.8 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	75.8	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	88.1	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	109	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	155 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	155 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	155 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGPIS-22 4-8ft  
SA23419-13Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	155 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	MB	
1,4-Dichlorobenzene	BRL	155 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	155 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	155 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	155 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	155 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	155 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	155 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	155 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	155 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	155 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	155 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	155 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	155 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	155 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	155 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	155 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	155 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	155 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	155 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	155 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	155 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	155 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	155 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	155 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	155 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	155 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	155 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	155 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GPIS-22 4-8ft

SA23419-13

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

26-Jan-05 00:00

**Received**

27-Jan-05

<b>Analyte(s)</b>	<b>Result</b>	<b>*RDL/Units</b>	<b>Dilution</b>	<b>Method Ref.</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Batch</b>	<b>Analyst</b>	<b>Flag</b>
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	155 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	155 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.9	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	91.4	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	64.3	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	83.9	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	77.2	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.3	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.18 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.28 mg/kg dry	1	"	"	"	"	"	
Barium	7.95	1.09 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.546 mg/kg dry	1	"	"	"	"	"	
Chromium	3.10	1.09 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.194 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	BRL	1.64 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.28 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0091	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	89.7	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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Sample Identification

GPIS-23 2-4ft

SA23419-14

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level) VOC10									
Acetone	BRL	91.7 ug/kg dry	1	SW846 8260B	31-Jan-05	01-Feb-05	5011506	ZZZ	
Acrylonitrile	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	45.9 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	22.9 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	45.9 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.6 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GPIS-23 2-4ft  
SA23419-14

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
26-Jan-05 00:00

**Received**  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	45.9 ug/kg dry	1	SW846 8260B	31-Jan-05	01-Feb-05	5011506	ZZZ	
Methylene chloride	BRL	45.9 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	99.2	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	101	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	116	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	31.9 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG	
Fuel Oil #2	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	31.9 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
Unidentified	58.6	31.9 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	31.9 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	58.6	31.9 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	58.6	31.9 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	81.0	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	15.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	77.5 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GPIS-23 2-4ft  
SA23419-14

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
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27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	15.5 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	77.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	83.2	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	92.6	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	31.0 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1260	78.8	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	31.0 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	31.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	83.2	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	92.6	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	105	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	160 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Bis(2-chloroethyl)ether	BRL	160 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	160 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



Sample Identification

GPIS-23 2-4ft  
SA23419-14

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)                      Result                      \*RDL/Units   Dilution   Method Ref.   Prepared   Analyzed   Batch   Analyst   Flag

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	160 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B
1,4-Dichlorobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"
1,2-Dichlorobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"
Benzyl alcohol	BRL	160 ug/kg dry	1	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	160 ug/kg dry	1	"	"	"	"	"
Hexachloroethane	BRL	160 ug/kg dry	1	"	"	"	"	"
Nitrobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"
Isophorone	BRL	160 ug/kg dry	1	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	160 ug/kg dry	1	"	"	"	"	"
Benzoic acid	BRL	160 ug/kg dry	1	"	"	"	"	"
Naphthalene	BRL	160 ug/kg dry	1	"	"	"	"	"
4-Chloroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"
Hexachlorobutadiene	BRL	160 ug/kg dry	1	"	"	"	"	"
2-Methylnaphthalene	BRL	160 ug/kg dry	1	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	160 ug/kg dry	1	"	"	"	"	"
2-Chloronaphthalene	BRL	160 ug/kg dry	1	"	"	"	"	"
2-Nitroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"
Acenaphthylene	499	160 ug/kg dry	1	"	"	"	"	"
Dimethyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"
2,6-Dinitrotoluene	BRL	160 ug/kg dry	1	"	"	"	"	"
Acenaphthene	BRL	160 ug/kg dry	1	"	"	"	"	"
3-Nitroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"
Dibenzofuran	BRL	160 ug/kg dry	1	"	"	"	"	"
2,4-Dinitrotoluene	BRL	160 ug/kg dry	1	"	"	"	"	"
Fluorene	BRL	160 ug/kg dry	1	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	160 ug/kg dry	1	"	"	"	"	"
Diethyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"
4-Nitroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	160 ug/kg dry	1	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	160 ug/kg dry	1	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	160 ug/kg dry	1	"	"	"	"	"
Hexachlorobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"
Phenanthrene	291	160 ug/kg dry	1	"	"	"	"	"
Anthracene	259	160 ug/kg dry	1	"	"	"	"	"
Di-n-butyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"
Fluoranthene	991	160 ug/kg dry	1	"	"	"	"	"
Benzidine	BRL	160 ug/kg dry	1	"	"	"	"	"
Pyrene	619	160 ug/kg dry	1	"	"	"	"	"
Butyl benzyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	160 ug/kg dry	1	"	"	"	"	"
Benzo (a) anthracene	478	160 ug/kg dry	1	"	"	"	"	"
Chrysene	480	160 ug/kg dry	1	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"
Di-n-octyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"
Benzo (b) fluoranthene	435	160 ug/kg dry	1	"	"	"	"	"
Benzo (k) fluoranthene	527	160 ug/kg dry	1	"	"	"	"	"

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\*Reportable Detection Limit      BRL = Below Reporting Limit

<b>Sample Identification</b> GPIS-23 2-4ft SA23419-14	<b>Client Project #</b> 301-81	<b>Matrix</b> Soil	<b>Collection Date/Time</b> 26-Jan-05 00:00	<b>Received</b> 27-Jan-05
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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
				Prepared by method SW846 3545A					
Benzo (a) pyrene	446	160 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	275	160 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	160 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	305	160 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	63.0	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	86.5	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	60.8	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	78.3	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-dl4	73.8	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	74.1	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.20 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.30 mg/kg dry	1	"	"	"	"	"	
Barium	22.8	1.10 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.550 mg/kg dry	1	"	"	"	"	"	
Chromium	11.3	1.10 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.184 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	26.1	1.65 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.30 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0212	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	89.1	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GPIS-24 4-8ft

SA23419-15

Client Project #

301-81

Matrix

Soil

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatil Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	28-Jan-05	28-Jan-05	5011455	LN	
<i>Volatil Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
Acetone	BRL	80.9 ug/kg dry	1	SW846 8260B	31-Jan-05	01-Feb-05	5011506	ZZZ	
Acrylonitrile	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	8.1 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	40.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	20.2 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	8.1 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	8.1 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	8.1 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	8.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	40.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.0 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.0 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GPIS-24 4-8ft  
SA23419-15**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
26-Jan-05 00:00**Received**  
27-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>	
<b>Volatile Organic Compounds</b>										
<i>Volatile Organic Compounds by SW846 8260B</i>		Prepared by method SW846 5035A Soil (low level)							VOC10	
4-Methyl-2-pentanone (MIBK)	BRL	40.4 ug/kg dry	1	SW846 8260B	31-Jan-05	01-Feb-05	5011506	ZZZ		
Methylene chloride	BRL	40.4 ug/kg dry	1	"	"	"	"	"		
Naphthalene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
n-Propylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
Styrene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,1,1,2-Tetrachloroethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,1,2,2-Tetrachloroethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
Tetrachloroethene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
Toluene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,2,3-Trichlorobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,2,4-Trichlorobenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,1,1-Trichloroethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,1,2-Trichloroethane	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
Trichloroethene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
Trichlorofluoromethane (Freon 11)	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,2,3-Trichloropropane	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,2,4-Trimethylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
1,3,5-Trimethylbenzene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
Vinyl chloride	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
m,p-Xylene	BRL	8.1 ug/kg dry	1	"	"	"	"	"		
o-Xylene	BRL	4.0 ug/kg dry	1	"	"	"	"	"		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100</i>	<i>70-130 %</i>		"	"	"	"	"		
<i>Surrogate: Toluene-d8</i>	<i>101</i>	<i>70-130 %</i>		"	"	"	"	"		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>120</i>	<i>70-130 %</i>		"	"	"	"	"		
<i>Surrogate: Dibromofluoromethane</i>	<i>104</i>	<i>70-130 %</i>		"	"	"	"	"		
<b>Extractable Petroleum Hydrocarbons</b>										
<i>Extractable Total Petroleum Hydrocarbons</i>		Prepared by method SW846 3545A								
Gasoline	BRL	31.4 mg/kg dry	1	+CT ETPH	31-Jan-05	02-Feb-05	5011469	KG		
Fuel Oil #2	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Fuel Oil #4	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Fuel Oil #6	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Motor Oil	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Aviation Fuel	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Unidentified	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Other Oil	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
Total Petroleum Hydrocarbons	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
C9-C36 Aliphatic Hydrocarbons	BRL	31.4 mg/kg dry	1	"	"	"	"	"		
<i>Surrogate: 1-Chlorooctadecane</i>	<i>66.7</i>	<i>40-140 %</i>		"	"	"	"	"		
<b>Semivolatile Organic Compounds by GC</b>										
<i>Organochlorine Pesticides SW846 8081A</i>		Prepared by method SW846 3550B								
Aldrin	BRL	17.6 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG		
a-BHC	BRL	17.6 ug/kg dry	1	"	"	"	"	"		
b-BHC	BRL	17.6 ug/kg dry	1	"	"	"	"	"		
d-BHC	BRL	17.6 ug/kg dry	1	"	"	"	"	"		
g-BHC (Lindane)	BRL	17.6 ug/kg dry	1	"	"	"	"	"		
Chlordane	BRL	87.9 ug/kg dry	1	"	"	"	"	"		

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Sample IdentificationGPIS-24 4-8ft  
SA23419-15Client Project #  
301-81Matrix  
SoilCollection Date/Time  
26-Jan-05 00:00Received  
27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
Benzo (a) pyrene	BRL	157 ug/kg dry	1	SW846 8270C	31-Jan-05	04-Feb-05	5011468	M.B	
Indeno (1,2,3-cd) pyrene	BRL	157 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	157 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	157 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	79.6	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	103	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	80.7	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	95.9	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-dl4	89.8	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	95.4	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.20 mg/kg dry	1	SW846 6010B	01-Feb-05	02-Feb-05	5020020	HB	
Arsenic	BRL	3.30 mg/kg dry	1	"	"	"	"	"	"
Barium	8.79	1.10 mg/kg dry	1	"	"	"	"	"	"
Cadmium	BRL	0.551 mg/kg dry	1	"	"	"	"	"	"
Chromium	3.48	1.10 mg/kg dry	1	"	"	"	"	"	"
Mercury	BRL	0.185 mg/kg dry	1	SW846 7471A	"	03-Feb-05	5020021	YP	
Lead	BRL	1.65 mg/kg dry	1	SW846 6010B	"	02-Feb-05	5020020	HB	
Selenium	BRL	3.30 mg/kg dry	1	"	"	"	"	"	"
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	31-Jan-05	31-Jan-05	5020010	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	01-Feb-05	02-Feb-05	5020013	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	"
Barium	0.0098	0.0050 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	03-Feb-05	5020014	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	02-Feb-05	5020013	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	"
<b>General Chemistry Parameters</b>									
% Solids	89.8	%	1	SM2540 G Mod.	28-Jan-05	31-Jan-05	5011426	ES	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-25 4'-8'  
SA23461-03

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatil Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatil Organic Compounds by SW846 8260B</i>									
				Prepared by method SW846 5035A Soil (low level)				VOC10	
Acetone	BRL	170 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	17.0 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	85.0 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	42.5 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	17.0 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	17.0 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	17.0 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	17.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	85.0 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	8.5 ug/kg dry	1	"	"	"	"	"	

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Sample Identification  
 GP IS-25 4'-8'  
 SA23461-03

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	85.0 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Methylene chloride	BRL	85.0 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	8.5 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	17.0 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	8.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene 99.6  
 Surrogate: Toluene-d8 101  
 Surrogate: 1,2-Dichloroethane-d4 117  
 Surrogate: Dibromofluoromethane 107

70-130 %  
 70-130 %  
 70-130 %  
 70-130 %

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	42.5 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	42.5 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane

75.9

40-140 %

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	23.8 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	119 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



**Sample Identification**

GP IS-25 4'-8'  
SA23461-03

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	23.8 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	23.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	119 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	75.6	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	93.5	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	47.7 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	47.7 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	47.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	75.6	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	93.5	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	47.5	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	213 ug/kg dry	1	SW846 8270C	01-Feb-05	07-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	213 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	213 ug/kg dry	1	"	"	"	"	"	

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Sample Identification  
 GP IS-25 4'-8'  
 SA23461-03

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>					Prepared by method SW846 3545A				
1,3-Dichlorobenzene	BRL	213 ug/kg dry	1	SW846 8270C	01-Feb-05	07-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	351	213 ug/kg dry	1	"	"	"	"	"	"
Benzdine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Pyrene	270	213 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"

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**Sample Identification**GP IS-25 4'-8'  
SA23461-03**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3545A							
Benzo (a) pyrene	BRL	213 ug/kg dry	1	SW846 8270C	01-Feb-05	07-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	213 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	213 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	213 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	52.4	30-130 %		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	81.8	30-130 %		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	51.0	30-130 %		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	68.2	30-130 %		"	"	"	"	"	
<i>Surrogate: Terphenyl-dl4</i>	65.2	30-130 %		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	49.2	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.92 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	4.38 mg/kg dry	1	"	"	"	"	"	
Barium	34.4	1.46 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.43	0.730 mg/kg dry	1	"	"	"	"	"	
Chromium	31.0	1.46 mg/kg dry	1	"	"	"	"	"	
Mercury	0.548	0.258 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	26.9	2.19 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	4.38 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0229	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	64.0	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification  
 GP IS-26 2'-4'  
 SA23461-04

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<b>Prepared by method SW846 5035A Soil (low level)</b>									
<b>Volatile Organic Compounds by SW846 8260B</b>									
Acetone	BRL	89.8 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.0 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	44.9 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	22.4 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.0 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.0 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.0 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	9.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	44.9 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.5 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-26 2'-4'  
SA23461-04

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

**Analyte(s)**      **Result**      **\*RDL/Units**   **Dilution**   **Method Ref.**   **Prepared**   **Analyzed**   **Batch**   **Analyst**   **Flag**

**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	44.9 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	44.9 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.0 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	98.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.2	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	104	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	150 mg/kg dry	5	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	150 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #4	BRL	150 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #6	Calculated as	150 mg/kg dry	5	"	"	"	"	"	
Motor Oil	BRL	150 mg/kg dry	5	"	"	"	"	"	
Aviation Fuel	BRL	150 mg/kg dry	5	"	"	"	"	"	
Unidentified	280	150 mg/kg dry	5	"	"	"	"	"	
Other Oil	BRL	150 mg/kg dry	5	"	"	"	"	"	
Total Petroleum Hydrocarbons	280	150 mg/kg dry	5	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	280	150 mg/kg dry	5	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	79.2	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.6 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	82.9 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-26 2'-4'  
SA23461-04**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	16.6 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	82.9 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	77.9	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	102	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	33.2 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1260	2,280	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.2 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	77.9	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	102	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	134 ug/kg dry	20	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4-DB	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dalapon	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dicamba	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dinoseb	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dichlorprop	BRL	134 ug/kg dry	20	"	"	"	"	"	
MCPB	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPA	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPP	BRL	13400 ug/kg dry	20	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	108	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	150 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	150 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	150 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-27 2'-4'  
SA23461-05

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	108 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.8 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	53.9 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	27.0 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.8 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.8 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.8 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	10.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	53.9 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.4 ug/kg dry	1	"	"	"	"	"	

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Sample Identification  
 GP IS-27 2'-4'  
 SA23461-05

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
4-Methyl-2-pentanone (MIBK)	BRL	53.9 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	53.9 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.8 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.4 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	97.8	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	109	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	98.2	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<i>Extractable Total Petroleum Hydrocarbons</i> Prepared by method SW846 3545A									
Gasoline	BRL	150 mg/kg dry	5	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	150 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #4	BRL	150 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #6	Calculated as	150 mg/kg dry	5	"	"	"	"	"	
Motor Oil	BRL	150 mg/kg dry	5	"	"	"	"	"	
Aviation Fuel	BRL	150 mg/kg dry	5	"	"	"	"	"	
Unidentified	436	150 mg/kg dry	5	"	"	"	"	"	
Other Oil	BRL	150 mg/kg dry	5	"	"	"	"	"	
Total Petroleum Hydrocarbons	436	150 mg/kg dry	5	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	436	150 mg/kg dry	5	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	99.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<i>Organochlorine Pesticides SW846 8081A</i> Prepared by method SW846 3550B									
Aldrin	BRL	16.6 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
a-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	83.0 ug/kg dry	1	"	"	"	"	"	

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## Sample Identification

GP IS-27 2'-4'

SA23461-05

## Client Project #

301-81

## Matrix

Soil

## Collection Date/Time

27-Jan-05 00:00

## Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	16.6 ug/kg dry	1	SW846 8081A	31-Jan-05	08-Feb-05	5011495	TG	
4,4-DDE (p,p')	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
4,4-DDT (p,p')	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Dieldrin	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Endosulfan I	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Endosulfan II	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Endosulfan Sulfate	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Endrin	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Endrin Aldehyde	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Heptachlor	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Methoxychlor	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Heptachlor Epoxide	BRL	16.6 ug/kg dry	1	"	"	"	"	"	"
Toxaphene	BRL	83.0 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.8	30-150 %		"	"	"	"	"	"
Surrogate: Decachlorobiphenyl (Sr)	134	30-150 %		"	"	"	"	"	"
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	33.2 ug/kg dry	1	SW846 8082	"	"	"	"	"
PCB 1221	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1232	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1242	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1248	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1254	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1260	2,990	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1262	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
PCB 1268	BRL	33.2 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.8	30-150 %		"	"	"	"	"	"
Surrogate: Decachlorobiphenyl (Sr)	134	30-150 %		"	"	"	"	"	"
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	134 ug/kg dry	20	SW846 8151A	01-Feb-05	03-Feb-05	5020005	MP	
2,4,5-T	BRL	134 ug/kg dry	20	"	"	"	"	"	"
2,4,5-TP (Silvex)	BRL	134 ug/kg dry	20	"	"	"	"	"	"
2,4-DB	BRL	134 ug/kg dry	20	"	"	"	"	"	"
Dalapon	BRL	134 ug/kg dry	20	"	"	"	"	"	"
Dicamba	BRL	134 ug/kg dry	20	"	"	"	"	"	"
Dinoseb	BRL	134 ug/kg dry	20	"	"	"	"	"	"
Dichlorprop	BRL	134 ug/kg dry	20	"	"	"	"	"	"
MCPB	BRL	13400 ug/kg dry	20	"	"	"	"	"	"
MCPA	BRL	13400 ug/kg dry	20	"	"	"	"	"	"
MCPP	BRL	13400 ug/kg dry	20	"	"	"	"	"	"
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	40.1	40-140 %		"	"	"	"	"	"
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	302 ug/kg dry	2	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Phenol	BRL	302 ug/kg dry	2	"	"	"	"	"	"

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Sample Identification  
 GP IS-27 2'-4'  
 SA23461-05

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
1,3-Dichlorobenzene	BRL	302 ug/kg dry	2	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Benzyl alcohol	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Hexachloroethane	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Nitrobenzene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Isophorone	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Benzoic acid	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Naphthalene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
4-Chloroaniline	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Hexachlorobutadiene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
2-Methylnaphthalene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
2-Chloronaphthalene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
2-Nitroaniline	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Acenaphthylene	708	302 ug/kg dry	2	"	"	"	"	"	"
Dimethyl phthalate	BRL	302 ug/kg dry	2	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Acenaphthene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
3-Nitroaniline	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Dibenzofuran	BRL	302 ug/kg dry	2	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Fluorene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Diethyl phthalate	BRL	302 ug/kg dry	2	"	"	"	"	"	"
4-Nitroaniline	BRL	302 ug/kg dry	2	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	302 ug/kg dry	2	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Hexachlorobenzene	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Phenanthrene	2,280	302 ug/kg dry	2	"	"	"	"	"	"
Anthracene	726	302 ug/kg dry	2	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Fluoranthene	3,990	302 ug/kg dry	2	"	"	"	"	"	"
Benzidine	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Pyrene	2,570	302 ug/kg dry	2	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	302 ug/kg dry	2	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Benzo (a) anthracene	1,300	302 ug/kg dry	2	"	"	"	"	"	"
Chrysene	1,450	302 ug/kg dry	2	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	302 ug/kg dry	2	"	"	"	"	"	"
Benzo (b) fluoranthene	1,120	302 ug/kg dry	2	"	"	"	"	"	"
Benzo (k) fluoranthene	1,190	302 ug/kg dry	2	"	"	"	"	"	"

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**Sample Identification**

GP IS-27 2'-4'

SA23461-05

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

<b>Analyte(s)</b>	<b>Result</b>	<b>*RDL/Units</b>	<b>Dilution</b>	<b>Method Ref.</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Batch</b>	<b>Analyst</b>	<b>Flag</b>
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>									
				Prepared by method SW846 3545A					
Benzo (a) pyrene	1,200	302 ug/kg dry	2	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	624	302 ug/kg dry	2	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	302 ug/kg dry	2	"	"	"	"	"	
Benzo (g,h,i) perylene	778	302 ug/kg dry	2	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	33.7	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	55.9	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	36.3	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	42.1	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	43.2	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	34.4	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.02 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.03 mg/kg dry	1	"	"	"	"	"	
Barium	42.4	1.01 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.726	0.504 mg/kg dry	1	"	"	"	"	"	
Chromium	15.7	1.01 mg/kg dry	1	"	"	"	"	"	
Mercury	1.12	0.174 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	276	1.51 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.03 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0109	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	91.7	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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Sample Identification  
 GP IS-28 2'-4'  
 SA23461-06

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag	
<b>Volatile Organic Compounds</b>										
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES		
<i>Volatile Organic Compounds by SW846 8260B</i>										
				Prepared by method SW846 5035A Soil (low level)					VOC10	
Acetone	BRL	155 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim		
Acrylonitrile	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Benzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Bromobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Bromochloromethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Bromodichloromethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Bromoform	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Bromomethane	BRL	15.5 ug/kg dry	1	"	"	"	"	"		
2-Butanone (MEK)	BRL	77.5 ug/kg dry	1	"	"	"	"	"		
n-Butylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
sec-Butylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
tert-Butylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Carbon disulfide	BRL	38.7 ug/kg dry	1	"	"	"	"	"		
Carbon tetrachloride	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Chlorobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Chloroethane	BRL	15.5 ug/kg dry	1	"	"	"	"	"		
Chloroform	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Chloromethane	BRL	15.5 ug/kg dry	1	"	"	"	"	"		
2-Chlorotoluene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
4-Chlorotoluene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromo-3-chloropropane	BRL	15.5 ug/kg dry	1	"	"	"	"	"		
Dibromochloromethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dibromoethane (EDB)	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Dibromomethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichlorobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,3-Dichlorobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,4-Dichlorobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Dichlorodifluoromethane (Freon12)	BRL	15.5 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloroethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloroethene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
cis-1,2-Dichloroethene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
trans-1,2-Dichloroethene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,2-Dichloropropane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,3-Dichloropropane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
2,2-Dichloropropane	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
1,1-Dichloropropene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
cis-1,3-Dichloropropene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
trans-1,3-Dichloropropene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Ethylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Hexachlorobutadiene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
2-Hexanone (MBK)	BRL	77.5 ug/kg dry	1	"	"	"	"	"		
Isopropylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
4-Isopropyltoluene	BRL	7.7 ug/kg dry	1	"	"	"	"	"		
Methyl tert-butyl ether	BRL	7.7 ug/kg dry	1	"	"	"	"	"		

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**Sample Identification**

GP IS-28 2'-4'  
SA23461-06

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	77.5 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	77.5 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	7.7 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	15.5 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	7.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	98.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	98.4	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	116	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	41.7 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	41.7 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	41.7 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	94.8	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	23.0 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	115 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

GP IS-28 2'-4'  
SA23461-06

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	23.0 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	115 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.9

30-150 %

"

"

"

"

"

"

Surrogate: Decachlorobiphenyl (Sr) 86.1

30-150 %

"

"

"

"

"

"

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	46.0 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	46.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.9

30-150 %

"

"

"

"

"

"

Surrogate: Decachlorobiphenyl (Sr) 86.1

30-150 %

"

"

"

"

"

"

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	R-01
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 97.6

40-140 %

"

"

"

"

"

"

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	209 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	209 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	209 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**

GP IS-28 2'-4'  
SA23461-06

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

**Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag**

**Semivolatile Organic Compounds by GCMS**

**Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
1,3-Dichlorobenzene	BRL	209 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	209 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	209 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	209 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	209 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	209 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	209 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	209 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	209 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	209 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	209 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	209 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	209 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	209 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	209 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	209 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	209 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	209 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	209 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	209 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	209 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	209 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	209 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	209 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	209 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	209 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	209 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	209 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	209 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-28 2'-4'  
SA23461-06**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>					Prepared by method SW846 3545A				
Benzo (a) pyrene	BRL	209 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	209 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	209 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>51.9</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	<i>75.9</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	<i>47.5</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	<i>67.3</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>	<i>58.4</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>49.7</i>	<i>30-130 %</i>		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.62 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	4.59 mg/kg dry	1	"	"	"	"	"	
Barium	43.2	1.31 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.891	0.655 mg/kg dry	1	"	"	"	"	"	
Chromium	11.4	1.31 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.252 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	30.2	1.97 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.93 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0254	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	68.8	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-29 2'-4'

SA23461-07

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	157 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	15.7 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	78.7 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	39.3 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	15.7 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	15.7 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	15.7 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	15.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	78.7 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	7.9 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-29 2'-4'  
SA23461-07

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	78.7 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	78.7 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	13.7	7.9 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	7.9 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	15.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	7.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	97.2	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	98.4	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	113	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	42.5 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	42.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	42.5 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	81.1	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	22.6 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	113 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-29 2'-4'  
SA23461-07

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

**Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	22.6 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	22.6 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	113 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	73.0	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	105	30-150 %		"	"	"	"	"	

**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	45.3 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	45.3 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	45.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	73.0	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	105	30-150 %		"	"	"	"	"	

**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	R-01
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	123	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

**Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	213 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	213 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	213 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-29 2'-4'  
SA23461-07

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	213 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	213 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	213 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Pyrene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	213 ug/kg dry	1	"	"	"	"	"	"

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**Sample Identification**

GP IS-29 2'-4'

SA23461-07

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	213 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	213 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	213 ug/kg dry	1	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	50.9	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	71.3	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	47.1	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	63.8	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	55.0	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	49.1	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.59 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.88 mg/kg dry	1	"	"	"	"	"	
Barium	32.8	1.29 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.647 mg/kg dry	1	"	"	"	"	"	
Chromium	2.11	1.29 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.242 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	7.43	1.94 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.88 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0120	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	71.8	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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Sample Identification  
 GP IS-30 4'-8'  
 SA23461-08

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
				Prepared by method SW846 5035A Soil (low level)					
Acetone	BRL	132 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	13.2 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	65.8 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	13.2 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	13.2 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	13.2 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	13.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	65.8 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.6 ug/kg dry	1	"	"	"	"	"	

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GP IS-30 4'-8'  
SA23461-08

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	65.8 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	65.8 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	8.1	6.6 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.6 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	13.2 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	97.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.2	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	115	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	36.1 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	36.1 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	36.1 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	36.1 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	36.1 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	36.1 mg/kg dry	1	"	"	"	"	"	
Unidentified	298	36.1 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	36.1 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	298	36.1 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	298	36.1 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	123	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	18.1 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
α-BHC	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
β-BHC	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
δ-BHC	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
γ-BHC (Lindane)	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	90.4 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-30 4'-8'  
SA23461-08

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	18.1 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.1 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	90.4 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.5

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 81.4

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	36.2 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1260	117	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	36.2 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	36.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.5

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 81.4

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPP	BRL	6700 ug/kg dry	10	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 55.0

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	181 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	181 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-30 4'-8'  
SA23461-08

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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Semivolatile Organic Compounds by GCMS

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	181 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	181 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	181 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	181 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	181 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	181 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	181 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	181 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	181 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	181 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	181 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	181 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	181 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	181 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	181 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	181 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-30 4'-8'  
SA23461-08**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>		Prepared by method SW846 3545A							
Benzo (a) pyrene	BRL	181 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	181 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	181 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	56.3	30-130 %		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	74.9	30-130 %		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	52.1	30-130 %		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	66.7	30-130 %		"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>	58.2	30-130 %		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	53.4	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.21 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.87 mg/kg dry	1	"	"	"	"	"	
Barium	61.0	1.11 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.553 mg/kg dry	1	"	"	"	"	"	
Chromium	4.40	1.11 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.206 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	172	1.66 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.32 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0204	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	0.0204	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	83.6	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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Sample Identification

GP IS-31 2'-4'  
SA23461-09

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<b>Volatile Organic Compounds by SW846 8260B</b>									
				Prepared by method SW846 5035A Soil (low level)					VOC10
Acetone	BRL	112 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	11.2 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	55.8 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	27.9 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	11.2 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	11.2 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	11.2 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	11.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	55.8 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.6 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-31 2'-4'  
SA23461-09

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
4-Methyl-2-pentanone (MIBK)	BRL	55.8 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	55.8 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	11.6	5.6 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.2 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	101	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	121	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	107	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>									
Prepared by method SW846 3545A									
Gasoline	BRL	40.4 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	40.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	40.4 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	40.4 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	40.4 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	40.4 mg/kg dry	1	"	"	"	"	"	
Unidentified	127	40.4 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	40.4 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	127	40.4 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	127	40.4 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	92.1	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>									
Prepared by method SW846 3550B									
Aldrin	BRL	19.4 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	97.0 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-31 2'-4'  
SA23461-09

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	19.4 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	19.4 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	97.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.0	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	85.8	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	38.8 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	38.8 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	38.8 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.0	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	85.8	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	R-01
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	125	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	203 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	203 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	203 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-31 2'-4'

SA23461-09

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	203 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	203 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	203 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	203 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	203 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	203 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	203 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	203 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	203 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	203 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	203 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	203 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	203 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	203 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	203 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	203 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	203 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	203 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	203 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	203 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	203 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	203 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	203 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	203 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	203 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	203 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	203 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	203 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	203 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	203 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	203 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	203 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	203 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-31 2'-4'  
SA23461-09**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	203 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	203 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	203 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	203 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	49.3	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	73.1	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	45.7	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	64.1	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-dl4	55.1	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	48.7	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.53 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	5.18 mg/kg dry	1	"	"	"	"	"	
Barium	43.0	1.26 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.632 mg/kg dry	1	"	"	"	"	"	
Chromium	3.41	1.26 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.220 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	21.2	1.90 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.79 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0166	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	74.9	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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Sample IdentificationGP IS-32 2'-4'  
SA23461-10Client Project #  
301-81Matrix  
SoilCollection Date/Time  
27-Jan-05 00:00Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							
Acetone	BRL	96.8 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.7 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	48.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	24.2 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.7 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.7 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.7 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	9.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	48.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.8 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-32 2'-4'  
SA23461-10

**Client Project #**

301-81

**Matrix**

Soil

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	48.4 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	48.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	15.2	4.8 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.8 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.7 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.8 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	98.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	98.8	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	114	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	32.8 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	32.8 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Unidentified	39.5	32.8 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	39.5	32.8 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	39.5	32.8 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	72.3	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	16.8 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	83.9 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-32 2'-4'  
SA23461-10

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	16.8 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	83.9 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	68.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	75.2	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	33.6 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1260	451	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	33.6 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	68.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	75.2	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPP	BRL	6700 ug/kg dry	10	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	41.9	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	164 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	MLB	
Bis(2-chloroethyl)ether	BRL	164 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	164 ug/kg dry	1	"	"	"	"	"	

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GP IS-32 2'-4'

SA23461-10

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<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	164 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	164 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	164 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	164 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	164 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	164 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Pyrene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	164 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	164 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	164 ug/kg dry	1	"	"	"	"	"	"

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SA23461-10**Client Project #**

301-81

**Matrix**

Soil

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<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	164 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	164 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	164 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	164 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	52.6	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	76.0	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	48.1	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	68.1	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-dl4	58.2	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	49.8	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.10 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.14 mg/kg dry	1	"	"	"	"	"	
Barium	20.6	1.05 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.524 mg/kg dry	1	"	"	"	"	"	
Chromium	5.14	1.05 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.174 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	19.7	1.57 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.14 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0134	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	92.8	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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Sample Identification

GP IS-33 4'-8'  
SA23461-11

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Matrix

Soil

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
Acetone	BRL	94.0 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Acrylonitrile	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	47.0 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	23.5 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	9.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	47.0 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.7 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.7 ug/kg dry	1	"	"	"	"	"	

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<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	159 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	159 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	159 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	159 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	159 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	159 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	159 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	159 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	159 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	159 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	159 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	159 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	159 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	159 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	159 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	159 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	159 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	159 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	159 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	159 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	159 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	159 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	159 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	159 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	159 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	159 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	159 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	159 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	159 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	159 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	159 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	159 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	159 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**GP IS-33 4'-8'  
SA23461-11**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	159 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	159 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	159 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	159 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	53.9	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	77.6	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	48.9	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	70.5	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	59.7	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	51.1	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.01 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.02 mg/kg dry	1	"	"	"	"	"	
Barium	17.3	1.01 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.503 mg/kg dry	1	"	"	"	"	"	
Chromium	5.07	1.01 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.184 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	2.95	1.51 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.02 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0150	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	87.8	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-34 4'-8'

SA23461-12

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							
4-Methyl-2-pentanone (MIBK)	BRL	56.8 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	56.8 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.7 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.2	70-130 %		"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	98.6	70-130 %		"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	114	70-130 %		"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	100	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>		Prepared by method SW846 3545A							
Gasoline	BRL	31.5 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	31.5 mg/kg dry	1	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	104	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
Aldrin	BRL	16.4 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	82.2 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-34 4'-8'  
SA23461-12

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	16.4 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	16.4 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	82.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	66.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	73.5	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	32.9 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	32.9 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	32.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	66.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	73.5	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	13.4 ug/kg dry	1	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	R-01
2,4,5-T	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
2,4-DB	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dalapon	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dicamba	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dinoseb	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
Dichlorprop	BRL	13.4 ug/kg dry	1	"	"	"	"	"	R-01
MCPB	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPA	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01
MCPP	BRL	1340 ug/kg dry	1	"	"	"	"	"	R-01

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	129	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	158 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	158 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	158 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-34 4'-8'  
SA23461-12

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	158 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	158 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	158 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	158 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Pyrene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	158 ug/kg dry	1	"	"	"	"	"	"

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\*Reportable Detection Limit      BRL = Below Reporting Limit

**Sample Identification**

GP IS-34 4'-8'

SA23461-12

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	158 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	158 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	158 ug/kg dry	1	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.9	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	81.7	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	50.2	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	72.9	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	62.4	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	54.2	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.24 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	3.36 mg/kg dry	1	"	"	"	"	"	
Barium	25.6	1.12 mg/kg dry	1	"	"	"	"	"	
Cadmium	BRL	0.560 mg/kg dry	1	"	"	"	"	"	
Chromium	5.65	1.12 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.178 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	21.5	1.68 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.36 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	02-Feb-05	02-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0110	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	88.3	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-35 4'-8'

SA23461-13

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method SW846 5035A Soil (low level)						
4-Methyl-2-pentanone (MIBK)	BRL	91.3 ug/kg dry	1	SW846 8260B	01-Feb-05	01-Feb-05	5020053	tim	
Methylene chloride	BRL	91.3 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	18.3 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.0	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.2	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	117	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	103	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>			Prepared by method SW846 3545A						
Gasoline	BRL	47.6 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	47.6 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	47.6 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	47.6 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	47.6 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	47.6 mg/kg dry	1	"	"	"	"	"	
Unidentified	295	47.6 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	47.6 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	295	47.6 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	295	47.6 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	93.8	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method SW846 3550B						
Aldrin	BRL	23.1 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	115 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-35 4'-8'  
SA23461-13

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3550B									
4,4-DDD (p,p')	BRL	23.1 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	23.1 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	115 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	67.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	73.5	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3550B									
PCB 1016	BRL	46.1 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	46.1 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	67.5	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	73.5	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3550B									
2,4-D	BRL	33.5 ug/kg dry	5	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4-DB	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dalapon	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dicamba	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dinoseb	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dichlorprop	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPA	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPP	BRL	3350 ug/kg dry	5	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	81.4	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3545A									
N-Nitrosodimethylamine	BRL	239 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	239 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	239 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationGP IS-35 4'-8'  
SA23461-13Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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Semivolatile Organic Compounds by GCMSBase Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	239 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	239 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	239 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	239 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	239 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	239 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	239 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	239 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	239 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	239 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	239 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	239 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	239 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	239 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	239 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	239 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	239 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	239 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	239 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	239 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	239 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	239 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	239 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	239 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	239 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	863	239 ug/kg dry	1	"	"	"	"	"	
Anthracene	274	239 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	239 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	1,770	239 ug/kg dry	1	"	"	"	"	"	
Benidine	BRL	239 ug/kg dry	1	"	"	"	"	"	
Pyrene	1,130	239 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	239 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	239 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	758	239 ug/kg dry	1	"	"	"	"	"	
Chrysene	939	239 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	239 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	239 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	739	239 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	553	239 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**GP IS-35 4'-8'  
SA23461-13**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	694	239 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	381	239 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	239 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	541	239 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	51.8	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	72.1	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	49.5	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	64.0	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	57.8	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	51.0	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	4.48	2.85 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	11.7	4.28 mg/kg dry	1	"	"	"	"	"	
Barium	299	1.43 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.97	0.713 mg/kg dry	1	"	"	"	"	"	
Chromium	21.7	1.43 mg/kg dry	1	"	"	"	"	"	
Mercury	5.12	2.49 mg/kg dry	10	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	8,510	2.14 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	4.28 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0402	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	0.192	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	64.3	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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Sample Identification

GP IS-36 2'-4'  
SA23461-14

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	122 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020053	tim	
Acrylonitrile	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	12.2 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	60.9 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	30.5 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	12.2 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	12.2 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	12.2 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	12.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	60.9 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.1 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



**Sample Identification**GP IS-36 2'-4'  
SA23461-14**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds****Volatile Organic Compounds by SW846 8260B**

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	60.9 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020053	tim	
Methylene chloride	BRL	60.9 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	12.2 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.1 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	97.6	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	114	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	100	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons****Extractable Total Petroleum Hydrocarbons**

Prepared by method SW846 3545A

Gasoline	BRL	171 mg/kg dry	5	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	171 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #4	BRL	171 mg/kg dry	5	"	"	"	"	"	
Fuel Oil #6	Calculated as	171 mg/kg dry	5	"	"	"	"	"	
Motor Oil	BRL	171 mg/kg dry	5	"	"	"	"	"	
Aviation Fuel	BRL	171 mg/kg dry	5	"	"	"	"	"	
Unidentified	708	171 mg/kg dry	5	"	"	"	"	"	
Other Oil	BRL	171 mg/kg dry	5	"	"	"	"	"	
Total Petroleum Hydrocarbons	708	171 mg/kg dry	5	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	708	171 mg/kg dry	5	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	135	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

Aldrin	BRL	17.1 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	85.5 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-36 2'-4'

SA23461-14

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3550B									
4,4-DDD (p,p')	BRL	17.1 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	17.1 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	85.5 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	80.9	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	85.0	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3550B									
PCB 1016	BRL	34.2 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1260	245	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	34.2 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	80.9	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	85.0	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3550B									
2,4-D	BRL	134 ug/kg dry	20	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4-DB	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dalapon	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dicamba	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dinoseb	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dichlorprop	BRL	134 ug/kg dry	20	"	"	"	"	"	
MCPB	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPA	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPP	BRL	13400 ug/kg dry	20	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	54.9	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3545A									
N-Nitrosodimethylamine	BRL	172 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	172 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	172 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-36 2'-4'  
SA23461-14

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatle Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

I,3-Dichlorobenzene	BRL	172 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
I,4-Dichlorobenzene	BRL	172 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	218	172 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	172 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	172 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	172 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	172 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	172 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	172 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	172 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	172 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	172 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	172 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	545	172 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	172 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	172 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	172 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	452	172 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	172 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	172 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	172 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	172 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	172 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	172 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	172 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	172 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	172 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	172 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	172 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	172 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	172 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	172 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	930	172 ug/kg dry	1	"	"	"	"	"	
Anthracene	349	172 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	172 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	1,630	172 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	172 ug/kg dry	1	"	"	"	"	"	
Pyrene	1,010	172 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	172 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	172 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	674	172 ug/kg dry	1	"	"	"	"	"	
Chrysene	982	172 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	172 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	172 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	875	172 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	660	172 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit

BRL = Below Reporting Limit

**Sample Identification**GP IS-36 2'-4'  
SA23461-14**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	597	172 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	MB	
Indeno (1,2,3-cd) pyrene	380	172 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	172 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	442	172 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	56.6	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	79.4	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	53.7	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	71.7	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	63.6	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	55.5	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	5.02	2.20 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	15.3	3.30 mg/kg dry	1	"	"	"	"	"	
Barium	57.3	1.10 mg/kg dry	1	"	"	"	"	"	
Cadmium	3.34	0.550 mg/kg dry	1	"	"	"	"	"	
Chromium	33.8	1.10 mg/kg dry	1	"	"	"	"	"	
Mercury	1.04	0.198 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	2,110	1.65 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.30 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0246	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	0.0422	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	86.5	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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Sample Identification

GP IS-37 4'-8'  
SA23461-15

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatil Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatil Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5030 Soil (high level)									
Acetone	BRL	1630 ug/kg dry	50	SW846 8260B	01-Feb-05	01-Feb-05	5020035	tim	
Acrylonitrile	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Benzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Bromobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Bromochloromethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Bromodichloromethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Bromoform	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Bromomethane	BRL	163 ug/kg dry	50	"	"	"	"	"	
2-Butanone (MEK)	BRL	816 ug/kg dry	50	"	"	"	"	"	
n-Butylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
sec-Butylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
tert-Butylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Carbon disulfide	BRL	408 ug/kg dry	50	"	"	"	"	"	
Carbon tetrachloride	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Chlorobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Chloroethane	BRL	163 ug/kg dry	50	"	"	"	"	"	
Chloroform	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Chloromethane	BRL	163 ug/kg dry	50	"	"	"	"	"	
2-Chlorotoluene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
4-Chlorotoluene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	163 ug/kg dry	50	"	"	"	"	"	
Dibromochloromethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Dibromomethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	163 ug/kg dry	50	"	"	"	"	"	
1,1-Dichloroethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2-Dichloroethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,1-Dichloroethene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2-Dichloropropane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,3-Dichloropropane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
2,2-Dichloropropane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,1-Dichloropropene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Ethylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Hexachlorobutadiene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
2-Hexanone (MBK)	BRL	816 ug/kg dry	50	"	"	"	"	"	
Isopropylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
4-Isopropyltoluene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Methyl tert-butyl ether	BRL	81.6 ug/kg dry	50	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GP IS-37 4'-8'  
SA23461-15

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5030 Soil (high level)

VOCs

4-Methyl-2-pentanone (MIBK)	BRL	816 ug/kg dry	50	SW846 8260B	01-Feb-05	01-Feb-05	5020035	tim	
Methylene chloride	BRL	816 ug/kg dry	50	"	"	"	"	"	
Naphthalene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
n-Propylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Styrene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Tetrachloroethene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Toluene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Trichloroethene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
Vinyl chloride	BRL	81.6 ug/kg dry	50	"	"	"	"	"	
m,p-Xylene	BRL	163 ug/kg dry	50	"	"	"	"	"	
o-Xylene	BRL	81.6 ug/kg dry	50	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	102	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	97.4	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	94.8	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	95.2	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	41.0 mg/kg dry	1	+CT BTPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	41.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	41.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	41.0 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	41.0 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	41.0 mg/kg dry	1	"	"	"	"	"	
Unidentified	1,130	41.0 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	41.0 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	1,130	41.0 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	1,130	41.0 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	192	40-140 %	"	"	"	"	"	"	S-02
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	20.0 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	100 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-37 4'-8'  
SA23461-15**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	20.0 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	20.0 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	100 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	79.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	77.7	30-150 %		"	"	"	"	"	

**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	40.0 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	40.0 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	40.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	79.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	77.7	30-150 %		"	"	"	"	"	

**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	134 ug/kg dry	20	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4-DB	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dalapon	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dicamba	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dinoseb	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dichlorprop	BRL	134 ug/kg dry	20	"	"	"	"	"	
MCPB	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPA	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPP	BRL	13400 ug/kg dry	20	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	43.1	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	206 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	206 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	206 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGP IS-37 4'-8'  
SA23461-15Client Project #  
301-81Matrix  
SoilCollection Date/Time  
27-Jan-05 00:00Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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Semivolatile Organic Compounds by GCMSBase Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	206 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	206 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	206 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	206 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	206 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	206 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	206 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	206 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	206 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	206 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	206 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	206 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	206 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	487	206 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	206 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	206 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	206 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	267	206 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	206 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	206 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	436	206 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	206 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	351	206 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	206 ug/kg dry	1	"	"	"	"	"	
Fluorene	479	206 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	206 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	206 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	206 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	206 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	206 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	206 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	206 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	4,350	206 ug/kg dry	1	"	"	"	"	"	
Anthracene	976	206 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	206 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	6,180	206 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	206 ug/kg dry	1	"	"	"	"	"	
Pyrene	3,970	206 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	206 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	206 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	2,060	206 ug/kg dry	1	"	"	"	"	"	
Chrysene	2,320	206 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	206 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	206 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	1,920	206 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	1,680	206 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-37 4'-8'  
SA23461-15**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	1,900	206 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	933	206 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	292	206 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	1,130	206 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.5	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	73.7	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	52.5	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	68.6	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-dl4	60.4	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	57.8	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.64 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	BRL	11.9 mg/kg dry	1	"	"	"	"	"	
Barium	151	1.32 mg/kg dry	1	"	"	"	"	"	
Cadmium	3.18	0.659 mg/kg dry	1	"	"	"	"	"	
Chromium	20.6	1.32 mg/kg dry	1	"	"	"	"	"	
Mercury	0.970	0.239 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	4,010	1.98 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.95 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0966	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	0.356	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	74.2	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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Sample Identification

GP IS-38 2'-4'

SA23461-16

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	105 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020053	tim	
Acrylonitrile	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	52.7 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	26.4 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	52.7 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-38 2'-4'  
SA23461-16

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	52.7 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020053	tim	
Methylene chloride	BRL	52.7 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	5.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	10.5 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	5.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	99.6	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	98.8	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	117	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	32.0 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	32.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	32.0 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	32.0 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	32.0 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	32.0 mg/kg dry	1	"	"	"	"	"	
Unidentified	378	32.0 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	32.0 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	378	32.0 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	378	32.0 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	107	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	17.8 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	89.2 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-38 2'-4'  
SA23461-16**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	17.8 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	17.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	89.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 70.9

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 115

30-150 %

**Polychlorinated Biphenyls by SW846 8082**

Prepared by method SW846 3550B

PCB 1016	BRL	35.7 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	35.7 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	35.7 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 70.9

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 115

30-150 %

**Chlorinated Herbicides by SW846 8151A**

Prepared by method SW846 3550B

2,4-D	BRL	134 ug/kg dry	20	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	134 ug/kg dry	20	"	"	"	"	"	
2,4-DB	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dalapon	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dicamba	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dinoseb	BRL	134 ug/kg dry	20	"	"	"	"	"	
Dichlorprop	BRL	134 ug/kg dry	20	"	"	"	"	"	
MCPB	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPA	BRL	13400 ug/kg dry	20	"	"	"	"	"	
MCPP	BRL	13400 ug/kg dry	20	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 48.9

40-140 %

**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	160 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	160 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	160 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-38 2'-4'  
SA23461-16

**Client Project #**

301-81

**Matrix**

Soil

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27-Jan-05 00:00

**Received**

28-Jan-05

**Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag**

**Semivolatile Organic Compounds by GCMS**

**Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
1,3-Dichlorobenzene	BRL	160 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	160 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	160 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	160 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	160 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	160 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	160 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	160 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	160 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	362	160 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	160 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	160 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	567	160 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	160 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	160 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	160 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	160 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	160 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	160 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	160 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	160 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	160 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	160 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	160 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	1,080	160 ug/kg dry	1	"	"	"	"	"	
Anthracene	389	160 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	2,160	160 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	160 ug/kg dry	1	"	"	"	"	"	
Pyrene	1,400	160 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	160 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	819	160 ug/kg dry	1	"	"	"	"	"	
Chrysene	961	160 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	160 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	768	160 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	872	160 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-38 2'-4'  
SA23461-16**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3545A							
Benzo (a) pyrene	787	160 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	415	160 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	160 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	478	160 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>51.1</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	<i>80.4</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	<i>48.3</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	<i>68.7</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>	<i>66.4</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>57.1</i>	<i>30-130 %</i>		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.06 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	20.5	3.08 mg/kg dry	1	"	"	"	"	"	
Barium	147	1.03 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.22	0.514 mg/kg dry	1	"	"	"	"	"	
Chromium	35.4	1.03 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.197 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	4,680	1.54 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.08 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0172	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	90.5	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	

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**Sample Identification**

GP IS-39 2'-4'  
SA23461-17

**Client Project #**  
301-81

**Matrix**  
Soil

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<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	125 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	12.5 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	62.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	31.2 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	12.5 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	12.5 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	12.5 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	12.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	62.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.2 ug/kg dry	1	"	"	"	"	"	

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Soil

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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	62.4 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Methylene chloride	BRL	62.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.2 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	12.5 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	95.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	97.8	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	114	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	104	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	35.5 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	35.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	35.5 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	35.5 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	35.5 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	35.5 mg/kg dry	1	"	"	"	"	"	
Unidentified	662	35.5 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	35.5 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	662	35.5 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	662	35.5 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	141	40-140 %		"	"	"	"	"	S-02
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	17.7 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	88.6 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



Sample Identification

GP IS-39 2'-4'  
SA23461-17

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	17.7 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	17.7 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	88.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.6	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	97.5	30-150 %		"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	35.5 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1260	70.7	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	35.5 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	35.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	76.6	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	97.5	30-150 %		"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPP	BRL	6700 ug/kg dry	10	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	52.6	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	178 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020088	M.B	
Bis(2-chloroethyl)ether	BRL	178 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	178 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification  
 GP IS-39 2'-4'  
 SA23461-17

Client Project #  
 301-81

Matrix  
 Soil

Collection Date/Time  
 27-Jan-05 00:00

Received  
 28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
1,3-Dichlorobenzene	BRL	178 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	178 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	178 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	178 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	178 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	178 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	178 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	178 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	178 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	178 ug/kg dry	1	"	"	"	"	"	
Naphthalene	770	178 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	178 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	178 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	1,610	178 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	178 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	178 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	178 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	621	178 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	178 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	178 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	178 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	178 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	299	178 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	178 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	178 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	178 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	178 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	178 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	178 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	178 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	178 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	178 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	1,420	178 ug/kg dry	1	"	"	"	"	"	
Anthracene	564	178 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	178 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	2,310	178 ug/kg dry	1	"	"	"	"	"	
Benidine	BRL	178 ug/kg dry	1	"	"	"	"	"	
Pyrene	1,630	178 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	178 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	178 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	1,110	178 ug/kg dry	1	"	"	"	"	"	
Chrysene	1,700	178 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	178 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	178 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	1,600	178 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	1,010	178 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GP IS-39 2'-4'  
SA23461-17**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	939	178 ug/kg dry	1	SW846 8270C	01-Feb-05	06-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	589	178 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	178 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	694	178 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.0	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	78.7	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	56.6	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	74.2	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-dl4	65.0	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	60.9	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.11 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	11.7	3.16 mg/kg dry	1	"	"	"	"	"	
Barium	69.7	1.05 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.07	0.527 mg/kg dry	1	"	"	"	"	"	
Chromium	18.6	1.05 mg/kg dry	1	"	"	"	"	"	
Mercury	0.934	0.190 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	595	1.58 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.16 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0220	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	0.0264	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	85.8	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011499	LN	
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**Sample Identification**

GP IS-40 2'-4'  
SA23461-18

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	120 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	60.2 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	30.1 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	12.0 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	12.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	60.2 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.0 ug/kg dry	1	"	"	"	"	"	

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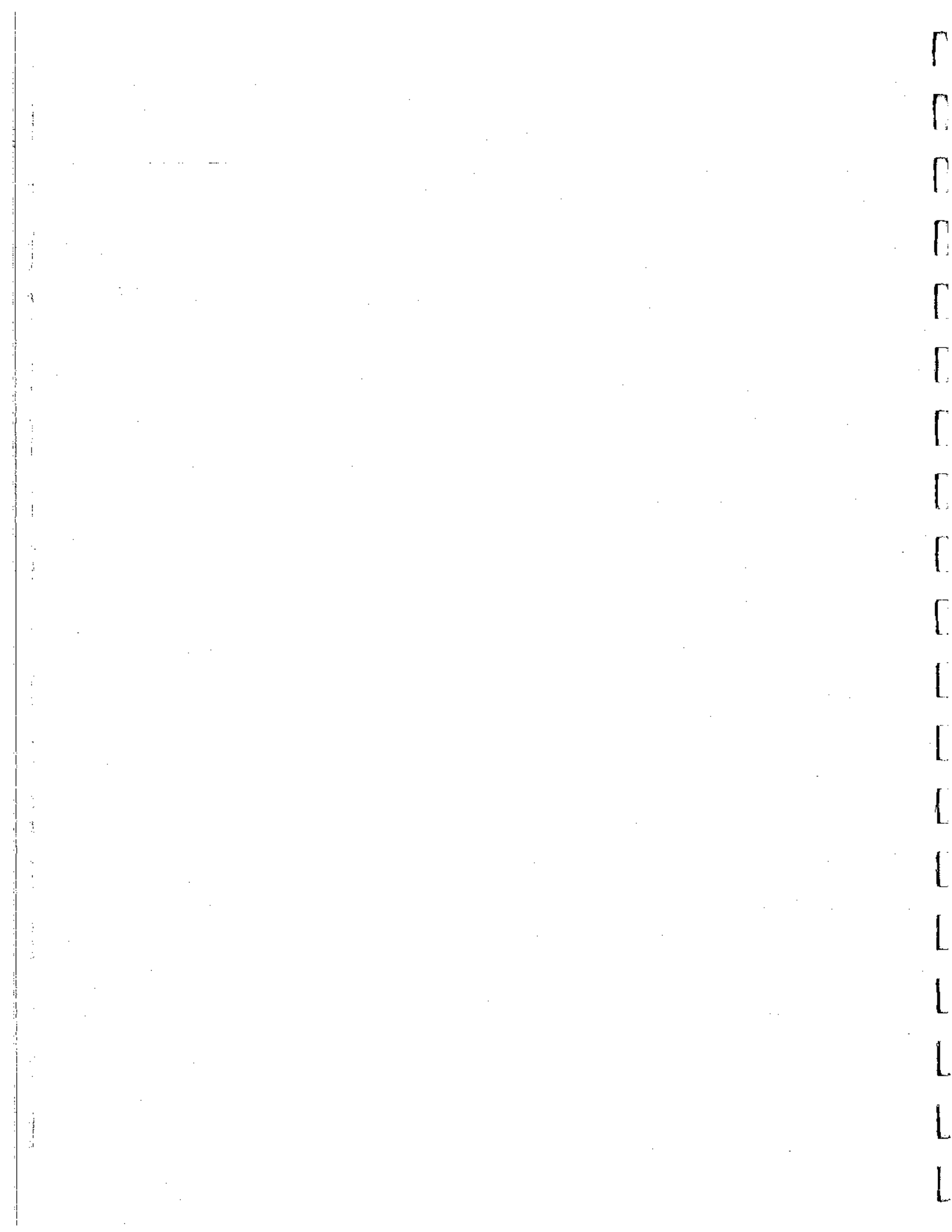
Sample IdentificationGP IS-42 2'-4'  
SA23461-20Client Project #  
301-81Matrix  
SoilCollection Date/Time  
27-Jan-05 00:00Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Volatile Organic Compounds by SW846 8260B</i>									
		Prepared by method SW846 5035A Soil (low level)						VOC10	
Acetone	BRL	92.1 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	23.0 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.6 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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**Sample Identification**

GP IS-42 2'-4'  
SA23461-20

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	46.0 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Methylene chloride	BRL	46.0 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.6 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.2 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	92.2	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	97.6	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	105	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	36.3 mg/kg dry	1	+CT ETPH	01-Feb-05	04-Feb-05	5020007	KG	
Fuel Oil #2	BRL	36.3 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	36.3 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	36.3 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	36.3 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	36.3 mg/kg dry	1	"	"	"	"	"	
Unidentified	483	36.3 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	36.3 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	483	36.3 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	483	36.3 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	111	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	18.6 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
γ-BHC	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
β-BHC	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
δ-BHC	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
γ-BHC (Lindane)	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	92.8 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-42 2'-4'

SA23461-20

Client Project #

301-81

Matrix

Soil

Collection Date/Time

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28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	18.6 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.6 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	92.8 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	74.4	30-150 %		"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	93.8	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	37.1 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1260	146	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	37.1 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	74.4	30-150 %		"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	93.8	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPP	BRL	6700 ug/kg dry	10	"	"	"	"	"	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	49.0	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	182 ug/kg dry	1	SW846 8270C	01-Feb-05	07-Feb-05	5020008	M.B	
Bis(2-chloroethyl)ether	BRL	182 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	182 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-42 2'-4'  
SA23461-20

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag

Semivolatile Organic Compounds by GCMS

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
1,3-Dichlorobenzene	BRL	182 ug/kg dry	1	SW846 8270C	01-Feb-05	07-Feb-05	5020008	M.B	
1,4-Dichlorobenzene	BRL	182 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	182 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	182 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	182 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	182 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	182 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	182 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	182 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	182 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	182 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	182 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	182 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	840	182 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	182 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	182 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	182 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	839	182 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	182 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	182 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	182 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	182 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	266	182 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	182 ug/kg dry	1	"	"	"	"	"	
Fluorene	184	182 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	182 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	182 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	182 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	182 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	182 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	182 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	182 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	1,790	182 ug/kg dry	1	"	"	"	"	"	
Anthracene	813	182 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	182 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	3,400	182 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	182 ug/kg dry	1	"	"	"	"	"	
Pyrene	2,370	182 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	182 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	182 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	1,510	182 ug/kg dry	1	"	"	"	"	"	
Chrysene	2,090	182 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	182 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	182 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	2,080	182 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	1,210	182 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

GP IS-42 2'-4'

SA23461-20

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

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**Received**

28-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	1,330	182 ug/kg dry	1	SW846 8270C	01-Feb-05	07-Feb-05	5020008	M.B	
Indeno (1,2,3-cd) pyrene	760	182 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	227	182 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	844	182 ug/kg dry	1	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>58.6</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	<i>84.4</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	<i>56.2</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	<i>72.6</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>	<i>69.9</i>	<i>30-130 %</i>		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>47.8</i>	<i>30-130 %</i>		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.31 mg/kg dry	1	SW846 6010B	02-Feb-05	05-Feb-05	5020098	HB	
Arsenic	13.1	3.46 mg/kg dry	1	"	"	"	"	"	
Barium	56.6	1.15 mg/kg dry	1	"	"	"	"	"	
Cadmium	3.55	0.577 mg/kg dry	1	"	"	"	"	"	
Chromium	15.8	1.15 mg/kg dry	1	"	"	"	"	"	
Mercury	0.921	0.203 mg/kg dry	1	SW846 7471A	"	04-Feb-05	5020100	YP	
Lead	598	1.73 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020098	HB	
Selenium	BRL	3.46 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	02-Feb-05	03-Feb-05	5020094	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0294	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020096	YP	
Lead	0.0213	0.0075 mg/l	1	SW846 6010B	"	03-Feb-05	5020094	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	84.2	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011504	LN	

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Sample Identification

GP IS-43 4'-8'  
SA23461-21

Client Project #

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Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<i>Prepared by method SW846 5035A Soil (low level)</i>									
<u>Volatile Organic Compounds by SW846 8260B</u>									
Acetone	BRL	228 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	22.8 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	114 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	57.0 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	22.8 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	22.8 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	22.8 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	22.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	114 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	11.4 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit      BRL = Below Reporting Limit

**Sample Identification**

GP IS-43 4'-8'

SA23461-21

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	114 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Methylene chloride	BRL	114 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	11.4 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	22.8 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	11.4 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene

95.2

70-130 %

Surrogate: Toluene-d8

98.0

70-130 %

Surrogate: 1,2-Dichloroethane-d4

118

70-130 %

Surrogate: Dibromofluoromethane

106

70-130 %

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3550B

Gasoline	BRL	48.9 mg/kg dry	1	+CT ETPH	03-Feb-05	04-Feb-05	5020148	JD	
Fuel Oil #2	BRL	48.9 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	48.9 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	48.9 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	48.9 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	48.9 mg/kg dry	1	"	"	"	"	"	
Unidentified	294	48.9 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	48.9 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	294	48.9 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	294	48.9 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane

105

40-140 %

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	28.6 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	143 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationGP IS-43 4'-8'  
SA23461-21Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	28.6 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	28.6 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	143 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 71.1

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 126

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	57.2 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	57.2 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	57.2 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 71.1

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 126

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3550B

2,4-D	BRL	33.5 ug/kg dry	5	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
2,4-DB	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dalapon	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dicamba	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dinoseb	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
Dichlorprop	BRL	33.5 ug/kg dry	5	"	"	"	"	"	
MCPB	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPA	BRL	3350 ug/kg dry	5	"	"	"	"	"	
MCPP	BRL	3350 ug/kg dry	5	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 74.9

40-140 %

**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3550B

N-Nitrosodimethylamine	BRL	245 ug/kg dry	1	SW846 8270C	03-Feb-05	03-Feb-05	5020146	M.B	
Bis(2-chloroethyl)ether	BRL	245 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	245 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-43 4'-8'  
SA23461-21

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3550B

1,3-Dichlorobenzene	BRL	245 ug/kg dry	1	SW846 8270C	03-Feb-05	03-Feb-05	5020146	M.B	
1,4-Dichlorobenzene	BRL	245 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	245 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	245 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	245 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	245 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	245 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	245 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	245 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	245 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	245 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	245 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	245 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	245 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	245 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	245 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	245 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	334	245 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	245 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	245 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	245 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	245 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	245 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	245 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	245 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	245 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	245 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	245 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	245 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	245 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	245 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	245 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	1,190	245 ug/kg dry	1	"	"	"	"	"	
Anthracene	459	245 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	245 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	4,890	245 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	245 ug/kg dry	1	"	"	"	"	"	
Pyrene	3,960	245 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	245 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	245 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	2,300	245 ug/kg dry	1	"	"	"	"	"	
Chrysene	2,360	245 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	245 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	245 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	1,940	245 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	1,850	245 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GP IS-44 2'-4'

SA23461-22

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3550B

1,3-Dichlorobenzene	BRL	163 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
1,4-Dichlorobenzene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	305	163 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	163 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	245	163 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Fluorene	171	163 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	163 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	163 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	163 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	10,900	163 ug/kg dry	1	"	"	"	"	"	"
Anthracene	2,250	163 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	21,500	163 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Pyrene	9,930	163 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	163 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	7,030	163 ug/kg dry	1	"	"	"	"	"	"
Chrysene	6,650	163 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	163 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	5,710	163 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	5,500	163 ug/kg dry	1	"	"	"	"	"	"

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\*Reportable Detection Limit

BRL = Below Reporting Limit

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**Sample Identification**GP IS-44 2'-4'  
SA23461-22**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3550B

Benzo (a) pyrene	5,600	163 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
Indeno (1,2,3-cd) pyrene	3,430	163 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	1,200	163 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	3,830	163 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	75.2	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	91.2	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	67.0	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	79.8	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	71.3	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.2	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.21 mg/kg dry	1	SW846 6010B	03-Feb-05	05-Feb-05	5020099	HB	
Arsenic	16.7	3.32 mg/kg dry	1	"	"	"	"	"	
Barium	135	1.11 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.71	0.553 mg/kg dry	1	"	"	"	"	"	
Chromium	13.4	1.11 mg/kg dry	1	"	"	"	"	"	
Mercury	2.78	0.200 mg/kg dry	1	SW846 7471A	"	07-Feb-05	5020101	YP	
Lead	2,290	1.66 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020099	HB	
Selenium	BRL	3.32 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	02-Feb-05	02-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	03-Feb-05	05-Feb-05	5020095	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0280	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020097	YP	
Lead	0.148	0.0075 mg/l	1	SW846 6010B	"	05-Feb-05	5020095	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	83.0	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011504	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit



Sample Identification

GP IS-45 2'-4'

SA23461-23

Client Project #

301-81

Matrix

Soil

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method SW846 5035A Soil (low level)							
Acetone	BRL	119 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	11.9 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	59.7 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	29.9 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	11.9 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	11.9 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	11.9 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	11.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	59.7 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	6.0 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**GP IS-45 2'-4'  
SA23461-23**Client Project #**  
301-81**Matrix**  
Soil**Collection Date/Time**  
27-Jan-05 00:00**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds****Volatile Organic Compounds by SW846 8260B**

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	59.7 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Methylene chloride	BRL	59.7 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	6.0 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	11.9 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	6.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	96.4	70-130 %	"	"	"	"	"	"	
Surrogate: Toluene-d8	97.6	70-130 %	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	111	70-130 %	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	99.4	70-130 %	"	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons****Extractable Total Petroleum Hydrocarbons**

Prepared by method SW846 3550B

Gasoline	BRL	32.8 mg/kg dry	1	+CT ETPH	03-Feb-05	04-Feb-05	5020148	JD	
Fuel Oil #2	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	32.8 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Unidentified	312	32.8 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	32.8 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	312	32.8 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	312	32.8 mg/kg dry	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	129	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GC****Organochlorine Pesticides SW846 8081A**

Prepared by method SW846 3550B

Aldrin	BRL	18.9 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	94.4 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationGP IS-45 2'-4'  
SA23461-23Client Project #

301-81

Matrix

Soil

Collection Date/Time

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<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3550B									
4,4-DDD (p,p')	BRL	18.9 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	94.4 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	68.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	104	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3550B									
PCB 1016	BRL	37.8 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1260	651	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	68.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	104	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3550B									
2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPP	BRL	6700 ug/kg dry	10	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	88.6	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3550B									
N-Nitrosodimethylamine	BRL	165 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
Bis(2-chloroethyl)ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	165 ug/kg dry	1	"	"	"	"	"	

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Client Project #

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3550B

1,3-Dichlorobenzene	BRL	165 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
1,4-Dichlorobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	165 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	165 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	165 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	165 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	165 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	165 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	165 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	446	165 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	165 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	165 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	165 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	165 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	165 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	165 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	165 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	3,010	165 ug/kg dry	1	"	"	"	"	"	
Anthracene	833	165 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	5,990	165 ug/kg dry	1	"	"	"	"	"	
Benidine	BRL	165 ug/kg dry	1	"	"	"	"	"	
Pyrene	3,040	165 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	2,010	165 ug/kg dry	1	"	"	"	"	"	
Chrysene	2,220	165 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	165 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	2,210	165 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	1,720	165 ug/kg dry	1	"	"	"	"	"	

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**Matrix**

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**Semivolatile Organic Compounds by GCMS**

*Base Neutrals by SW846 8270C*

Prepared by method SW846 3550B

Benzo (a) pyrene	1,810	165 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
Indeno (1,2,3-cd) pyrene	1,220	165 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	413	165 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	1,400	165 ug/kg dry	1	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	71.6	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	90.4	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	64.4	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	81.8	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	73.0	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	70.1	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	2.27 mg/kg dry	1	SW846 6010B	03-Feb-05	05-Feb-05	5020099	HB	
Arsenic	9.60	3.41 mg/kg dry	1	"	"	"	"	"	
Barium	149	1.14 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.30	0.568 mg/kg dry	1	"	"	"	"	"	
Chromium	37.0	1.14 mg/kg dry	1	"	"	"	"	"	
Mercury	3.80	0.209 mg/kg dry	1	SW846 7471A	"	07-Feb-05	5020101	YP	
Lead	1,020	1.70 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020099	HB	
Selenium	BRL	3.41 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	03-Feb-05	05-Feb-05	5020095	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0382	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020097	YP	
Lead	0.110	0.0075 mg/l	1	SW846 6010B	"	05-Feb-05	5020095	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	84.4	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011504	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

GP IS-46 2'-4'  
SA23461-24

**Client Project #**

301-81

**Matrix**

Soil

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	31-Jan-05	31-Jan-05	5011524	ES	
<b>Volatile Organic Compounds by SW846 8260B</b>									
				Prepared by method SW846 5035A Soil (low level)					VOC10
Acetone	BRL	149 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Acrylonitrile	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	74.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	37.2 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	74.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	7.4 ug/kg dry	1	"	"	"	"	"	

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SA23461-24

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**Matrix**

Soil

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	74.4 ug/kg dry	1	SW846 8260B	01-Feb-05	02-Feb-05	5020054	tim	
Methylene chloride	BRL	74.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	14.9 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	7.4 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.0	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	100	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	118	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	104	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3550B

Gasoline	BRL	39.8 mg/kg dry	1	+CT ETPH	03-Feb-05	04-Feb-05	5020148	JD	
Fuel Oil #2	BRL	39.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	39.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	Calculated as	39.8 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	39.8 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	39.8 mg/kg dry	1	"	"	"	"	"	
Unidentified	657	39.8 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	39.8 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	657	39.8 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	657	39.8 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	177	40-140 %		"	"	"	"	"	S-02

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	22.0 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
a-BHC	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	110 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-46 2'-4'  
SA23461-24

Client Project #

301-81

Matrix

Soil

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Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	22.0 ug/kg dry	1	SW846 8081A	31-Jan-05	09-Feb-05	5011500	TG	
4,4-DDE (p,p')	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	22.0 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	110 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	99.8	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	122	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	44.1 ug/kg dry	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	44.1 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	99.8	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	122	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3550B							
2,4-D	BRL	67.0 ug/kg dry	10	SW846 8151A	02-Feb-05	07-Feb-05	5020087	MP	
2,4,5-T	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
2,4-DB	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dalapon	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dicamba	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dinoseb	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
Dichlorprop	BRL	67.0 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPA	BRL	6700 ug/kg dry	10	"	"	"	"	"	
MCPB	BRL	6700 ug/kg dry	10	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	52.4	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3550B							
N-Nitrosodimethylamine	BRL	200 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
Bis(2-chloroethyl)ether	BRL	200 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	200 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

GP IS-46 2'-4'

SA23461-24

Client Project #

301-81

Matrix

Soil

Collection Date/Time

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<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3550B							
1,3-Dichlorobenzene	BRL	200 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
1,4-Dichlorobenzene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	200 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	200 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	200 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	200 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	200 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	3,910	200 ug/kg dry	1	"	"	"	"	"	"
Anthracene	1,000	200 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	8,820	200 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Pyrene	4,160	200 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	200 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	3,160	200 ug/kg dry	1	"	"	"	"	"	"
Chrysene	3,070	200 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	200 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	2,480	200 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	2,730	200 ug/kg dry	1	"	"	"	"	"	"

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<b>Semivolatile Organic Compounds by GCMS</b>									
<b>Base Neutrals by SW846 8270C</b>									
Prepared by method SW846 3550B									
Benzo (a) pyrene	2,550	200 ug/kg dry	1	SW846 8270C	03-Feb-05	04-Feb-05	5020146	M.B	
Indeno (1,2,3-cd) pyrene	1,580	200 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	497	200 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	1,860	200 ug/kg dry	1	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.5	30-130 %		"	"	"	"	"	
Surrogate: 2-Fluorophenol	85.6	30-130 %		"	"	"	"	"	
Surrogate: Nitrobenzene-d5	63.5	30-130 %		"	"	"	"	"	
Surrogate: Phenol-d5	73.2	30-130 %		"	"	"	"	"	
Surrogate: Terphenyl-d14	67.5	30-130 %		"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.9	30-130 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	2.84 mg/kg dry	1	SW846 6010B	03-Feb-05	05-Feb-05	5020099	HB	
Arsenic	BRL	4.26 mg/kg dry	1	"	"	"	"	"	
Barium	116	1.42 mg/kg dry	1	"	"	"	"	"	
Cadmium	2.34	0.709 mg/kg dry	1	"	"	"	"	"	
Chromium	9.48	1.42 mg/kg dry	1	"	"	"	"	"	
Mercury	8.96	2.35 mg/kg dry	10	SW846 7471A	"	07-Feb-05	5020101	YP	
Lead	2,310	2.13 mg/kg dry	1	SW846 6010B	"	05-Feb-05	5020099	HB	
Selenium	BRL	4.26 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	01-Feb-05	01-Feb-05	5020091	LK	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	03-Feb-05	05-Feb-05	5020095	HB	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	0.0251	0.0050 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	04-Feb-05	5020097	YP	
Lead	0.0850	0.0075 mg/l	1	SW846 6010B	"	05-Feb-05	5020095	HB	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	68.9	%	1	SM2540 G Mod.	31-Jan-05	01-Feb-05	5011504	LN	

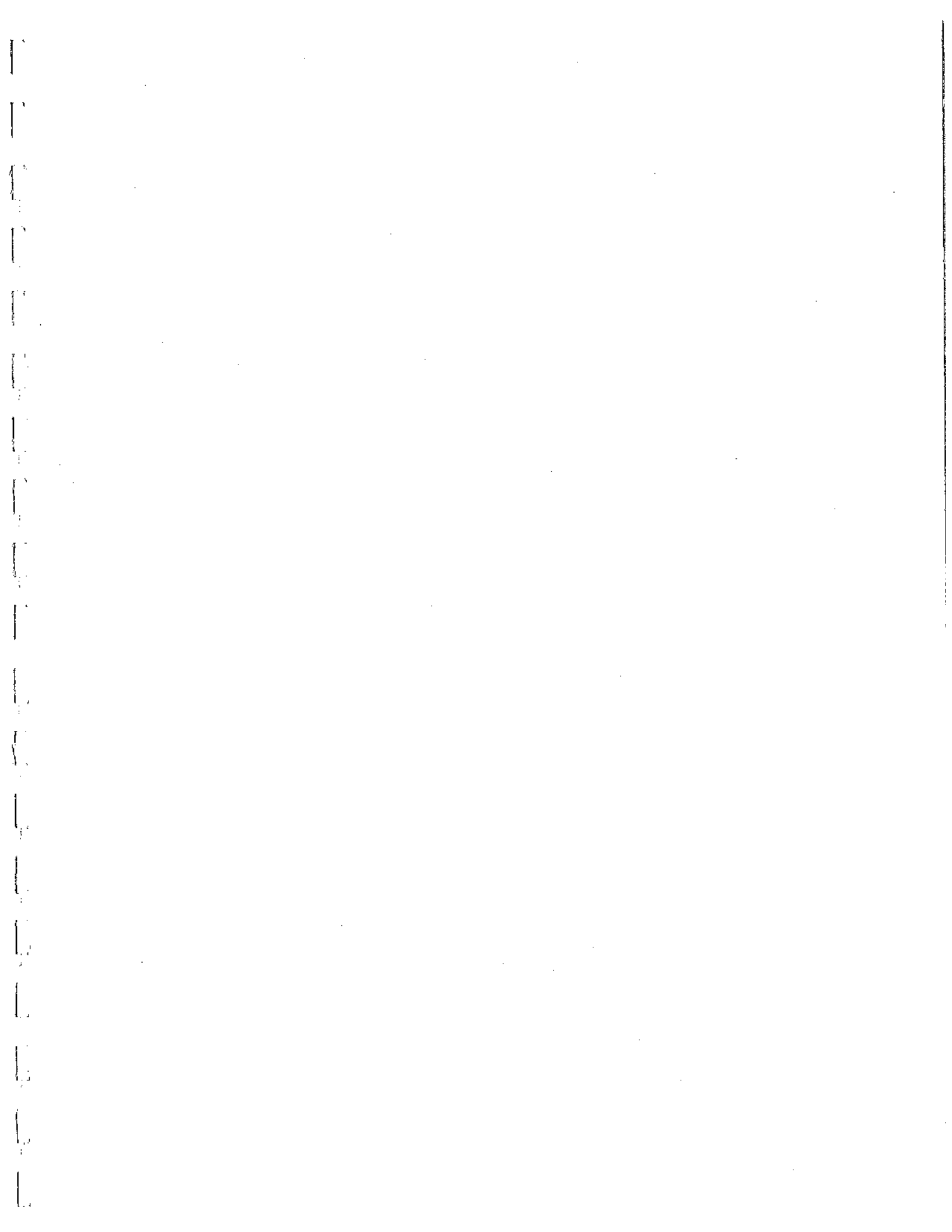
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\*Reportable Detection Limit BRL = Below Reporting Limit

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**APPENDIX C**  
**Ballast Sample**  
**Laboratory Reports**

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Sample IdentificationB-1  
SA23376-08Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<b>Volatile Organic Compounds by SW846 8260B</b>									
Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	90.9 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	45.5 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	22.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	45.5 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.5 ug/kg dry	1	"	"	"	"	"	

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**Sample Identification**

B-1  
SA23376-08

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	45.5 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	45.5 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	9.1 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.5 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.4	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	97.0	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	113	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	98.8	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	27.7 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Motor Oil	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Unidentified	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Other Oil	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	27.7 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	90.2	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC**Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	14.8 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	73.9 ug/kg dry	1	"	"	"	"	"	

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Sample Identification

B-1  
SA23376-08

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	14.8 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	14.8 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	73.9 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 84.4

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 124

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	29.5 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	29.5 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	29.5 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 88.5

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 102

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 43.1

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	139 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	139 ug/kg dry	1	"	"	"	"	"	

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Sample IdentificationB-1  
SA23376-08Client Project #

301-81

Matrix

Soil

Collection Date/Time

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26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	139 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	139 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	139 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	139 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	139 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	139 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	139 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	139 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	139 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	139 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	139 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	139 ug/kg dry	1	"	"	"	"	"	
Pyrene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Chrysene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	139 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationB-1  
SA23376-08Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	139 ug/kg dry	1	SW846 8270C	28-Jan-05	01-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	139 ug/kg dry	1	"	"	"	"	"	

<i>Surrogate: 2-Fluorobiphenyl</i>	71.0	30-130 %		"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>	67.5	30-130 %		"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>	49.1	30-130 %		"	"	"	"	"	
<i>Surrogate: Phenol-d5</i>	47.6	30-130 %		"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>	64.8	30-130 %		"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>	58.3	30-130 %		"	"	"	"	"	

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	1.94 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	2.91 mg/kg dry	1	"	"	"	"	"	
Barium	16.9	0.970 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.970	0.485 mg/kg dry	1	"	"	"	"	"	
Chromium	4.42	0.970 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.172 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	25.6	1.46 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	2.91 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0300 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

% Solids	97.6	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

B-2 Client Project # Matrix Collection Date/Time Received  
 SA23376-09 301-81 Soil 25-Jan-05 00:00 26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatil Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Volatil Organic Compounds by SW846 8260B</i> Prepared by method SW846 5035A Soil (low level)									
Acetone	BRL	85.5 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	42.8 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	21.4 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
n-Hexanone (MBK)	BRL	42.8 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	4.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

B-2 Client Project # Matrix Collection Date/Time Received  
 SA23376-09 301-81 Soil 25-Jan-05 00:00 26-Jan-05

Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag

**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

4-Methyl-2-pentanone (MIBK)	BRL	42.8 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	42.8 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	8.6 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	4.3 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	98.6	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	110	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	94.8	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	27.8 mg/kg dry	1	+CTETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	27.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	27.8 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	27.8 mg/kg dry	1	"	"	"	"	"	
Motor Oil	Calculated as	27.8 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	27.8 mg/kg dry	1	"	"	"	"	"	
Unidentified	127	27.8 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	27.8 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	127	27.8 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	127	27.8 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	134	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	15.3 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
a-BHC	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
b-BHC	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	76.4 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

B-2 Client Project # Matrix Collection Date/Time Received  
 SA23376-09 301-81 Soil 25-Jan-05 00:00 26-Jan-05

Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag

Semivolatile Organic Compounds by GC

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	15.3 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	30.6 ug/kg dry	1	"	"	"	"	"	R-01
Methoxychlor	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.3 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	76.4 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 78.4

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 107

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	30.6 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1260	69.4	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	30.6 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	30.6 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 89.8

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 104

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 42.4

40-140 %

Semivolatile Organic Compounds by GCMS

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	139 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
phenol	BRL	139 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

B-2 Client Project # Matrix Collection Date/Time Received  
 SA23376-09 301-81 Soil 25-Jan-05 00:00 26-Jan-05

Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
1,3-Dichlorobenzene	BRL	139 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzyl alcohol	BRL	139 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachloroethane	BRL	139 ug/kg dry	1	"	"	"	"	"	
Nitrobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Isophorone	BRL	139 ug/kg dry	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzoic acid	BRL	139 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Chloroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	139 ug/kg dry	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	139 ug/kg dry	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	139 ug/kg dry	1	"	"	"	"	"	
2-Nitroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
Acenaphthylene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Dimethyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Acenaphthene	BRL	139 ug/kg dry	1	"	"	"	"	"	
3-Nitroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
Dibenzofuran	BRL	139 ug/kg dry	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Fluorene	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Diethyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Nitroaniline	BRL	139 ug/kg dry	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	139 ug/kg dry	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	139 ug/kg dry	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	139 ug/kg dry	1	"	"	"	"	"	
Hexachlorobenzene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Phenanthrene	160	139 ug/kg dry	1	"	"	"	"	"	
Anthracene	BRL	139 ug/kg dry	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
Fluoranthene	334	139 ug/kg dry	1	"	"	"	"	"	
Benzidine	BRL	139 ug/kg dry	1	"	"	"	"	"	
Pyrene	267	139 ug/kg dry	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzo (a) anthracene	161	139 ug/kg dry	1	"	"	"	"	"	
Chrysene	219	139 ug/kg dry	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	139 ug/kg dry	1	"	"	"	"	"	
Benzo (b) fluoranthene	269	139 ug/kg dry	1	"	"	"	"	"	
Benzo (k) fluoranthene	143	139 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

B-3 Client Project # Matrix Collection Date/Time Received  
 SA23376-10 301-81 Soil 25-Jan-05 00:00 26-Jan-05

Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag

**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	563	146 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B
Indeno (1,2,3-cd) pyrene	442	146 ug/kg dry	1	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	146 ug/kg dry	1	"	"	"	"	"
Benzo (g,h,i) perylene	473	146 ug/kg dry	1	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	65.1	30-130 %		"	"	"	"	"
Surrogate: 2-Fluorophenol	62.9	30-130 %		"	"	"	"	"
Surrogate: Nitrobenzene-d5	46.2	30-130 %		"	"	"	"	"
Surrogate: Phenol-d5	42.8	30-130 %		"	"	"	"	"
Surrogate: Terphenyl-d14	63.1	30-130 %		"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	60.1	30-130 %		"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	1.95 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB
Arsenic	BRL	2.92 mg/kg dry	1	"	"	"	"	"
Barium	27.6	0.975 mg/kg dry	1	"	"	"	"	"
Cadmium	1.22	0.487 mg/kg dry	1	"	"	"	"	"
Chromium	10.9	0.975 mg/kg dry	1	"	"	"	"	"
Mercury	BRL	0.181 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP
Lead	109	1.46 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB
Selenium	BRL	2.92 mg/kg dry	1	"	"	"	"	"

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR
Silver	BRL	0.0300 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP
Lead	0.0090	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"

**General Chemistry Parameters**

% Solids	93.4	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN
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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationB-4  
SA23376-11Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<b>Volatile Organic Compounds by SW846 8260B</b>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
Acetone	BRL	74.7 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	37.4 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	18.7 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	37.4 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	3.7 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit      BRL = Below Reporting Limit

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Sample Identification

B-4 Client Project # 301-81 Matrix Soil Collection Date/Time 25-Jan-05 00:00 Received 26-Jan-05  
 SA23376-11

Analyte(s) Result \*RDL/Units Dilution Method Ref. Prepared Analyzed Batch Analyst Flag

**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method SW846 5035A Soil (low level)

VOC10

4-Methyl-2-pentanone (MIBK)	BRL	37.4 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	37.4 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	7.5 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	3.7 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	99.4	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	113	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	98.4	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3545A

Gasoline	BRL	27.1 mg/kg dry	1	+CT ETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	27.1 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	27.1 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	27.1 mg/kg dry	1	"	"	"	"	"	
Motor Oil	Calculated as	27.1 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	27.1 mg/kg dry	1	"	"	"	"	"	
Unidentified	55.9	27.1 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	27.1 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	55.9	27.1 mg/kg dry	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	55.9	27.1 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	113	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

Aldrin	BRL	14.7 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
-BHC	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
-BHC	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
d-BHC	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
-BHC (Lindane)	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	73.3 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationB-4  
SA23376-11Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	14.7 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	14.7 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	73.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 78.2

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 66.9

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	29.3 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	29.3 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	29.3 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 85.0

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 104

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 40.2

40-140 %

**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	136 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	136 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	136 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationB-4  
SA23376-11Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	136 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	136 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	136 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	136 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	136 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	136 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Pyrene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	136 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	1,290	136 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	136 ug/kg dry	1	"	"	"	"	"	"

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\*Reportable Detection Limit      BRL = Below Reporting Limit

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Sample IdentificationB-4  
SA23376-11Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>									
Prepared by method SW846 3545A									
Benzo (a) pyrene	BRL	136 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	136 ug/kg dry	1	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	68.2	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	64.1	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	43.7	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	45.9	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	66.6	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	64.9	30-130 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	1.89 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	2.83 mg/kg dry	1	"	"	"	"	"	
Barium	3.16	0.943 mg/kg dry	1	"	"	"	"	"	
Cadmium	1.07	0.471 mg/kg dry	1	"	"	"	"	"	
Chromium	1.24	0.943 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.171 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	3.20	1.41 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	2.83 mg/kg dry	1	"	"	"	"	"	
<b>SPLP Metals by EPA 1312 &amp; 6000/7000 Series Methods</b>									
SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>									
% Solids	98.7	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

B-5  
SA23376-12

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3550B

4,4-DDD (p,p')	BRL	15.0 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Methoxychlor	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.0 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	75.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 82.0

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 111

30-150 %

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3550B

PCB 1016	BRL	30.0 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	30.0 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	30.0 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 80.0

30-150 %

Surrogate: Decachlorobiphenyl (Sr) 89.0

30-150 %

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3545A

2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 48.0

40-140 %

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

N-Nitrosodimethylamine	BRL	140 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	140 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	140 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

<b>B-5</b>	<b>Client Project #</b>	<b>Matrix</b>	<b>Collection Date/Time</b>	<b>Received</b>
SA23376-12	301-81	Soil	25-Jan-05 00:00	26-Jan-05

<b>Analyte(s)</b>	<b>Result</b>	<b>*RDL/Units</b>	<b>Dilution</b>	<b>Method Ref.</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Batch</b>	<b>Analyst</b>	<b>Flag</b>
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**Semivolatile Organic Compounds by GCMS****Base Neutrals by SW846 8270C**

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	140 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	140 ug/kg dry	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	140 ug/kg dry	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	140 ug/kg dry	1	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	74.5	30-130 %		"	"	"	"	"	"
Surrogate: 2-Fluorophenol	64.8	30-130 %		"	"	"	"	"	"
Surrogate: Nitrobenzene-d5	51.9	30-130 %		"	"	"	"	"	"
Surrogate: Phenol-d5	47.8	30-130 %		"	"	"	"	"	"
Surrogate: Terphenyl-d14	65.8	30-130 %		"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol	67.1	30-130 %		"	"	"	"	"	"

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	1.95 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	2.92 mg/kg dry	1	"	"	"	"	"	"
Barium	3.52	0.974 mg/kg dry	1	"	"	"	"	"	"
Cadmium	1.08	0.487 mg/kg dry	1	"	"	"	"	"	"
Chromium	2.25	0.974 mg/kg dry	1	"	"	"	"	"	"
Mercury	BRL	0.164 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	BRL	1.46 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	2.92 mg/kg dry	1	"	"	"	"	"	"

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	"
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	"
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	"

**General Chemistry Parameters**

% Solids	98.4	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011333	LN	
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\*Reportable Detection Limit      BRL = Below Reporting Limit

Sample IdentificationB-6  
SA23376-13Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
VOC Extraction	Field extracted	N/A	1	VOC	27-Jan-05	27-Jan-05	5011368	LN	
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method SW846 5035A Soil (low level) <span style="float: right;">VOC10</span>									
Acetone	BRL	75.6 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Acrylonitrile	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Benzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Bromobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Bromochloromethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Bromodichloromethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Bromoform	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Bromomethane	BRL	7.6 ug/kg dry	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
n-Butylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
sec-Butylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
tert-Butylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Carbon disulfide	BRL	18.9 ug/kg dry	1	"	"	"	"	"	
Carbon tetrachloride	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Chlorobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Chloroethane	BRL	7.6 ug/kg dry	1	"	"	"	"	"	
Chloroform	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Chloromethane	BRL	7.6 ug/kg dry	1	"	"	"	"	"	
2-Chlorotoluene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
4-Chlorotoluene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	7.6 ug/kg dry	1	"	"	"	"	"	
Dibromochloromethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Dibromomethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	7.6 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Ethylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
Isopropylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	3.8 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



Sample Identification

**B-6**  
SA23376-13

Client Project #  
301-81

Matrix  
Soil

Collection Date/Time  
25-Jan-05 00:00

Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

<u>Volatile Organic Compounds by SW846 8260B</u>									
				Prepared by method SW846 5035A Soil (low level)				VOC10	
4-Methyl-2-pentanone (MIBK)	BRL	37.8 ug/kg dry	1	SW846 8260B	28-Jan-05	28-Jan-05	5011418	ZZZ	
Methylene chloride	BRL	37.8 ug/kg dry	1	"	"	"	"	"	
Naphthalene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
n-Propylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Styrene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Tetrachloroethene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Toluene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Trichloroethene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Vinyl chloride	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
m,p-Xylene	BRL	7.6 ug/kg dry	1	"	"	"	"	"	
o-Xylene	BRL	3.8 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	98.8	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	115	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	97.6	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

<u>Extractable Total Petroleum Hydrocarbons</u>									
				Prepared by method SW846 3545A					
Gasoline	BRL	26.7 mg/kg dry	1	+CTETPH	28-Jan-05	02-Feb-05	5011379	JD	
Fuel Oil #2	BRL	26.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #4	BRL	26.7 mg/kg dry	1	"	"	"	"	"	
Fuel Oil #6	BRL	26.7 mg/kg dry	1	"	"	"	"	"	
Motor Oil	Calculated as	26.7 mg/kg dry	1	"	"	"	"	"	
Aviation Fuel	BRL	26.7 mg/kg dry	1	"	"	"	"	"	
Unidentified	64.3	26.7 mg/kg dry	1	"	"	"	"	"	
Other Oil	Calculated as	26.7 mg/kg dry	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	64.3	26.7 mg/kg dry	1	"	"	"	"	"	
9-C36 Aliphatic Hydrocarbons	64.3	26.7 mg/kg dry	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	98.8	40-140 %		"	"	"	"	"	

**Semivolatile Organic Compounds by GC**

<u>Organochlorine Pesticides SW846 8081A</u>									
				Prepared by method SW846 3550B					
Aldrin	BRL	15.6 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
γ-BHC	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
δ-BHC	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
α-BHC	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
γ-BHC (Lindane)	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Chlordane	BRL	78.2 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**

B-6  
SA23376-13

**Client Project #**  
301-81

**Matrix**  
Soil

**Collection Date/Time**  
25-Jan-05 00:00

**Received**  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3550B							
4,4-DDD (p,p')	BRL	15.6 ug/kg dry	1	SW846 8081A	28-Jan-05	01-Feb-05	5011377	MP	
4,4-DDE (p,p')	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
4,4-DDT (p,p')	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Dieldrin	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan I	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan II	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Endrin	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Endrin Aldehyde	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor	BRL	31.3 ug/kg dry	1	"	"	"	"	"	R-01
Methoxychlor	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	15.6 ug/kg dry	1	"	"	"	"	"	
Toxaphene	BRL	78.2 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	84.3	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	112	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3550B							
PCB 1016	BRL	31.3 ug/kg dry	1	SW846 8082	28-Jan-05	28-Jan-05	5011376	TG	
PCB 1221	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1232	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1242	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1248	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1254	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1260	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1262	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
PCB 1268	BRL	31.3 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	68.3	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	81.7	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3545A							
2,4-D	BRL	6.70 ug/kg dry	1	SW846 8151A	28-Jan-05	02-Feb-05	5011380	MP	
2,4,5-T	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
2,4-DB	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dalapon	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dicamba	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dinoseb	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
Dichlorprop	BRL	6.70 ug/kg dry	1	"	"	"	"	"	
MCPB	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPA	BRL	670 ug/kg dry	1	"	"	"	"	"	
MCPP	BRL	670 ug/kg dry	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	51.0	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3545A							
N-Nitrosodimethylamine	BRL	134 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Bis(2-chloroethyl)ether	BRL	134 ug/kg dry	1	"	"	"	"	"	
Phenol	BRL	134 ug/kg dry	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

B-6

SA23376-13

Client Project #

301-81

Matrix

Soil

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

1,3-Dichlorobenzene	BRL	134 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
1,4-Dichlorobenzene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Benzyl alcohol	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Hexachloroethane	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Nitrobenzene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Isophorone	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Benzoic acid	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Naphthalene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
4-Chloroaniline	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
2-Nitroaniline	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Acenaphthylene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	134 ug/kg dry	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Acenaphthene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
3-Nitroaniline	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Dibenzofuran	BRL	134 ug/kg dry	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Fluorene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Diethyl phthalate	BRL	134 ug/kg dry	1	"	"	"	"	"	"
4-Nitroaniline	BRL	134 ug/kg dry	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	134 ug/kg dry	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Phenanthrene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Anthracene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Fluoranthene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Benzidine	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Pyrene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	134 ug/kg dry	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Benzo (a) anthracene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Chrysene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	511	134 ug/kg dry	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	134 ug/kg dry	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	134 ug/kg dry	1	"	"	"	"	"	"

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Sample IdentificationB-6  
SA23376-13Client Project #  
301-81Matrix  
SoilCollection Date/Time  
25-Jan-05 00:00Received  
26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GCMS**Base Neutrals by SW846 8270C

Prepared by method SW846 3545A

Benzo (a) pyrene	BRL	134 ug/kg dry	1	SW846 8270C	28-Jan-05	02-Feb-05	5011381	M.B	
Indeno (1,2,3-cd) pyrene	BRL	134 ug/kg dry	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	134 ug/kg dry	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	134 ug/kg dry	1	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl

70.6 30-130 %

Surrogate: 2-Fluorophenol

61.6 30-130 %

Surrogate: Nitrobenzene-d5

49.3 30-130 %

Surrogate: Phenol-d5

48.1 30-130 %

Surrogate: Terphenyl-d14

67.3 30-130 %

Surrogate: 2,4,6-Tribromophenol

58.7 30-130 %

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B**

Silver	BRL	1.90 mg/kg dry	1	SW846 6010B	31-Jan-05	01-Feb-05	5011476	HB	
Arsenic	BRL	2.85 mg/kg dry	1	"	"	"	"	"	
Barium	15.8	0.951 mg/kg dry	1	"	"	"	"	"	
Cadmium	0.666	0.476 mg/kg dry	1	"	"	"	"	"	
Chromium	4.04	0.951 mg/kg dry	1	"	"	"	"	"	
Mercury	BRL	0.179 mg/kg dry	1	SW846 7471A	"	01-Feb-05	5011477	YP	
Lead	4.05	1.43 mg/kg dry	1	SW846 6010B	"	01-Feb-05	5011476	HB	
Selenium	BRL	2.85 mg/kg dry	1	"	"	"	"	"	

**SPLP Metals by EPA 1312 & 6000/7000 Series Methods**

SPLP Extraction	Completed	N/A	1	SW846 1312	27-Jan-05	27-Jan-05	5011385	LFR	
Silver	BRL	0.0100 mg/l	1	SW846 6010B	28-Jan-05	31-Jan-05	5011390	CR	
Arsenic	BRL	0.0150 mg/l	1	"	"	"	"	"	
Barium	BRL	0.0400 mg/l	1	"	"	"	"	"	
Cadmium	BRL	0.0025 mg/l	1	"	"	"	"	"	
Chromium	BRL	0.0050 mg/l	1	"	"	"	"	"	
Mercury	BRL	0.00040 mg/l	1	SW846 7470A	"	02-Feb-05	5011391	YP	
Lead	BRL	0.0075 mg/l	1	SW846 6010B	"	31-Jan-05	5011390	CR	
Selenium	BRL	0.0150 mg/l	1	"	"	"	"	"	

**General Chemistry Parameters**

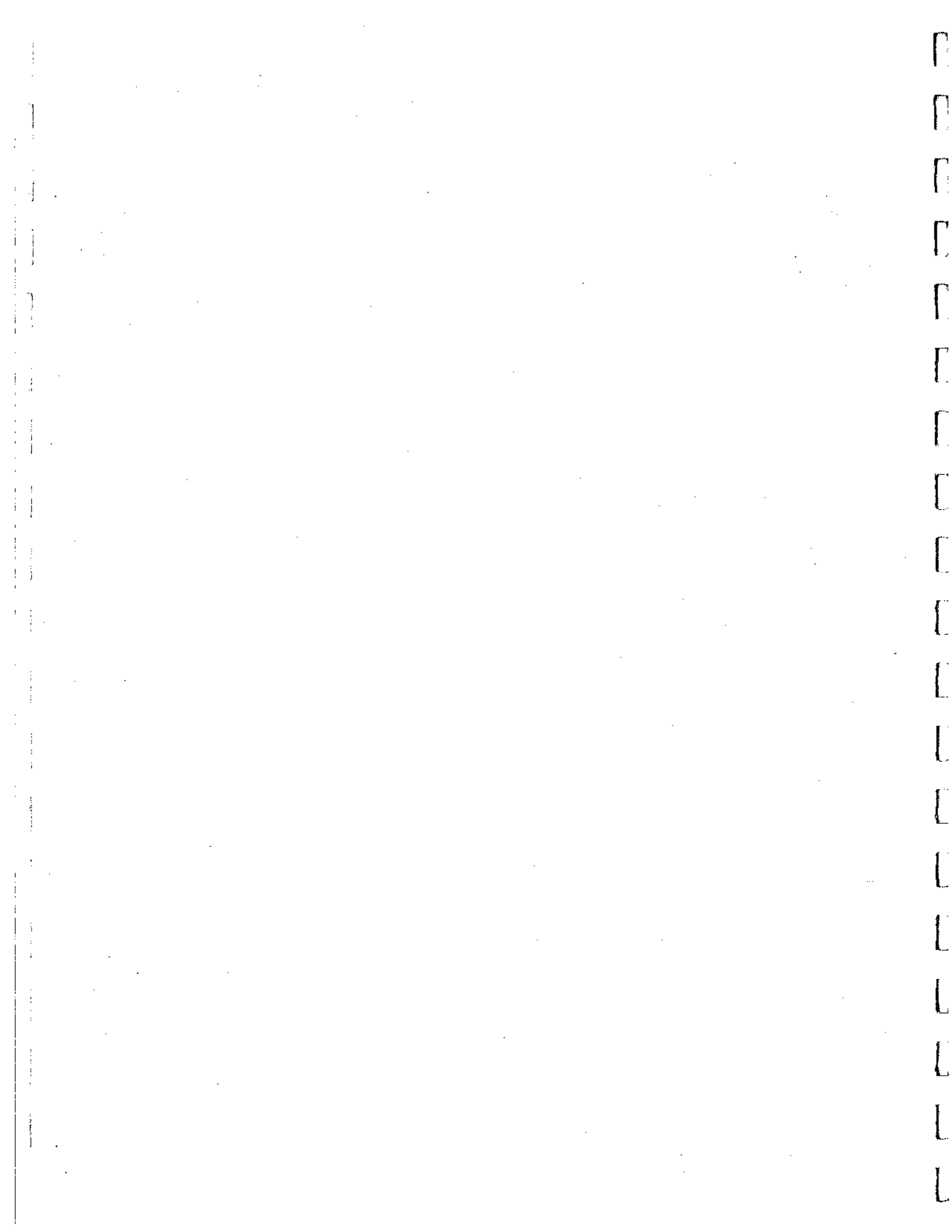
% Solids	99.5	%	1	SM2540 G Mod.	27-Jan-05	28-Jan-05	5011334	LN	
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**APPENDIX D**  
**Groundwater Sample**  
**Laboratory Reports**



Sample IdentificationGP IS-6 GW  
SA23376-14Client Project #

301-81

Matrix

Ground Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i>									
				Prepared by method Volatiles					
Acetone	BRL	20.0 ug/l	1	SW846 8260B	28-Jan-05	28-Jan-05	5011417	RLJ	
Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
Benzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromodichloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromoform	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromomethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
n-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
sec-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
tert-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Carbon disulfide	BRL	5.0 ug/l	1	"	"	"	"	"	
Carbon tetrachloride	BRL	1.0 ug/l	1	"	"	"	"	"	
Chlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloroethane	BRL	2.0 ug/l	1	"	"	"	"	"	
Chloroform	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloromethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l	1	"	"	"	"	"	
Dibromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l	1	"	"	"	"	"	
Dibromomethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	2.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
Ethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	1.0 ug/l	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
Isopropylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	"	"	"	"	"	

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Sample IdentificationGP IS-6 GW  
SA23376-14Client Project #

301-81

Matrix

Ground Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>		Prepared by method Volatiles							
Methylene chloride	BRL	10.0 ug/l	1	SW846 8260B	28-Jan-05	28-Jan-05	5011417	RLJ	
Naphthalene	BRL	1.0 ug/l	1	"	"	"	"	"	
n-Propylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Styrene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Tetrachloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Toluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Vinyl chloride	BRL	1.0 ug/l	1	"	"	"	"	"	
m,p-Xylene	BRL	2.0 ug/l	1	"	"	"	"	"	
o-Xylene	BRL	1.0 ug/l	1	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.8	70-130 %		"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	98.4	70-130 %		"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88.8	70-130 %		"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	97.0	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>		Prepared by method SW846 3535							
Gasoline	BRL	0.1 mg/l	1	+CT ETPH	28-Jan-05	01-Feb-05	5011375	KG	
Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	63.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3535							
Aldrin	BRL	0.118 ug/l	1	SW846 8081A	31-Jan-05	02-Feb-05	5011467	TG	
a-BHC	BRL	0.118 ug/l	1	"	"	"	"	"	
b-BHC	BRL	0.118 ug/l	1	"	"	"	"	"	
d-BHC	BRL	0.118 ug/l	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	0.118 ug/l	1	"	"	"	"	"	
Chlordane	BRL	0.588 ug/l	1	"	"	"	"	"	
4,4-DDD (p,p')	BRL	0.118 ug/l	1	"	"	"	"	"	

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Sample IdentificationGP IS-6 GW  
SA23376-14Client Project #

301-81

Matrix

Ground Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u> Prepared by method SW846 3535									
4,4-DDE (p,p')	BRL	0.118 ug/l	1	SW846 8081A	31-Jan-05	02-Feb-05	5011467	TG	
4,4-DDT (p,p')	BRL	0.118 ug/l	1	"	"	"	"	"	
Dieldrin	BRL	0.118 ug/l	1	"	"	"	"	"	
Endosulfan I	BRL	0.118 ug/l	1	"	"	"	"	"	
Endosulfan II	BRL	0.118 ug/l	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	0.118 ug/l	1	"	"	"	"	"	
Endrin	BRL	0.118 ug/l	1	"	"	"	"	"	
Endrin Aldehyde	BRL	0.118 ug/l	1	"	"	"	"	"	
Heptachlor	BRL	0.118 ug/l	1	"	"	"	"	"	
Methoxychlor	BRL	0.118 ug/l	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	0.118 ug/l	1	"	"	"	"	"	
Toxaphene	BRL	0.588 ug/l	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	41.4	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	91.9	30-150 %		"	"	"	"	"	
<u>Polychlorinated Biphenyls by SW846 8082</u> Prepared by method SW846 3535									
PCB 1016	BRL	0.118 ug/l	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1232	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1242	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1248	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1254	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1260	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1262	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1268	BRL	0.118 ug/l	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	50.2	30-150 %		"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	69.8	30-150 %		"	"	"	"	"	
<u>Chlorinated Herbicides by SW846 8151A</u> Prepared by method SW846 3535									
2,4-D	BRL	0.100 ug/l	1	SW846 8151A	01-Feb-05	02-Feb-05	5020001	MP	
2,4,5-T	BRL	0.100 ug/l	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	0.100 ug/l	1	"	"	"	"	"	
2,4-DB	BRL	0.100 ug/l	1	"	"	"	"	"	
Dalapon	BRL	0.100 ug/l	1	"	"	"	"	"	
Dicamba	BRL	0.100 ug/l	1	"	"	"	"	"	
Dinoseb	BRL	0.100 ug/l	1	"	"	"	"	"	
Dichlorprop	BRL	0.100 ug/l	1	"	"	"	"	"	
MCPB	BRL	15.0 ug/l	1	"	"	"	"	"	
MCPA	BRL	15.0 ug/l	1	"	"	"	"	"	
MCPP	BRL	15.0 ug/l	1	"	"	"	"	"	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	42.5	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u> Prepared by method SW846 3535									
Acenaphthene	BRL	6.25 ug/l	1	SW846 8270C	28-Jan-05	01-Feb-05	5011378	M.B	
Acenaphthylene	BRL	6.25 ug/l	1	"	"	"	"	"	
Anthracene	BRL	6.25 ug/l	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	6.25 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

GP IS-6 GW  
SA23376-14

Client Project #

301-81

Matrix

Ground Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3535							
Benzidine	BRL	6.25 ug/l	1	SW846 8270C	28-Jan-05	01-Feb-05	5011378	M.B	
Benzo (a) anthracene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Benzo (a) pyrene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Benzoic acid	BRL	6.25 ug/l	1	"	"	"	"	"	"
Benzyl alcohol	BRL	6.25 ug/l	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	6.25 ug/l	1	"	"	"	"	"	"
Bis(2-chloroethyl)ether	BRL	6.25 ug/l	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	6.25 ug/l	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	6.25 ug/l	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	6.25 ug/l	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	6.25 ug/l	1	"	"	"	"	"	"
4-Chloroaniline	BRL	6.25 ug/l	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	6.25 ug/l	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	6.25 ug/l	1	"	"	"	"	"	"
Chrysene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Dibenzofuran	BRL	6.25 ug/l	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	6.25 ug/l	1	"	"	"	"	"	"
1,3-Dichlorobenzene	BRL	6.25 ug/l	1	"	"	"	"	"	"
1,4-Dichlorobenzene	BRL	6.25 ug/l	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	6.25 ug/l	1	"	"	"	"	"	"
Diethyl phthalate	BRL	6.25 ug/l	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	6.25 ug/l	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	6.25 ug/l	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	6.25 ug/l	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	6.25 ug/l	1	"	"	"	"	"	"
Fluoranthene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Fluorene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Hexachloroethane	BRL	6.25 ug/l	1	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Isophorone	BRL	6.25 ug/l	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	6.25 ug/l	1	"	"	"	"	"	"
Naphthalene	BRL	6.25 ug/l	1	"	"	"	"	"	"
2-Nitroaniline	BRL	6.25 ug/l	1	"	"	"	"	"	"
3-Nitroaniline	BRL	6.25 ug/l	1	"	"	"	"	"	"
4-Nitroaniline	BRL	6.25 ug/l	1	"	"	"	"	"	"
Nitrobenzene	BRL	6.25 ug/l	1	"	"	"	"	"	"
N-Nitrosodimethylamine	BRL	6.25 ug/l	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	6.25 ug/l	1	"	"	"	"	"	"

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\*Reportable Detection Limit BRL = Below Reporting Limit

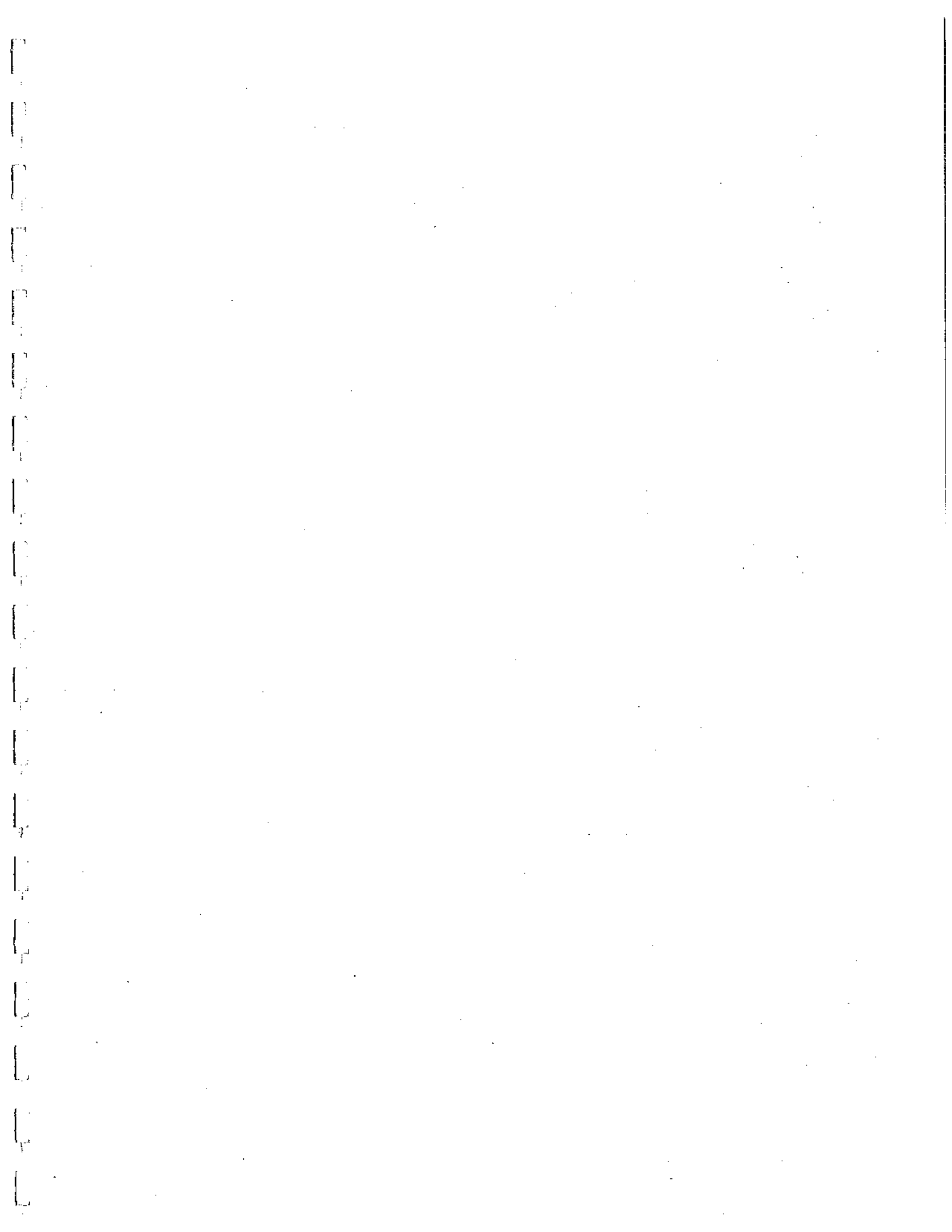
**Sample Identification**GP IS-6 GW  
SA23376-14**Client Project #**  
301-81**Matrix**  
Ground Water**Collection Date/Time**  
25-Jan-05 00:00**Received**  
26-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3535							
Phenanthrene	BRL	6.25 ug/l	1	SW846 8270C	28-Jan-05	01-Feb-05	5011378	M.B	
Phenol	BRL	6.25 ug/l	1	"	"	"	"	"	"
Pyrene	BRL	6.25 ug/l	1	"	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>59.0</i>	<i>30-130 %</i>		"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>	<i>48.8</i>	<i>15-110 %</i>		"	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>	<i>48.6</i>	<i>30-130 %</i>		"	"	"	"	"	"
<i>Surrogate: Phenol-d5</i>	<i>46.2</i>	<i>15-110 %</i>		"	"	"	"	"	"
<i>Surrogate: Terphenyl-d14</i>	<i>51.6</i>	<i>30-130 %</i>		"	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>54.2</i>	<i>15-110 %</i>		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	0.0050 mg/l	1	SW846 6010B	01-Feb-05	01-Feb-05	5011478	HB	
Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	"
Barium	0.108	0.0025 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Lead	0.0085	0.0038 mg/l	1	"	"	"	"	"	"
Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	"
<b>Total Metals by EPA 200 Series Methods</b>									
Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	01-Feb-05	02-Feb-05	5011479	YP	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

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Sample Identification

GPIS-22 GW  
SA23419-16

Client Project #

301-81

Matrix

Aqueous

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

*Volatile Organic Compounds by SW846 8260B*

Prepared by method Volatiles

Acetone	BRL	20.0 ug/l	1	SW846 8260B	31-Jan-05	31-Jan-05	5011488	RLJ	
Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
Benzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromodichloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromoform	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromomethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
n-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
sec-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
tert-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Carbon disulfide	BRL	5.0 ug/l	1	"	"	"	"	"	
Carbon tetrachloride	BRL	1.0 ug/l	1	"	"	"	"	"	
Chlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloroethane	BRL	2.0 ug/l	1	"	"	"	"	"	
Chloroform	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloromethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l	1	"	"	"	"	"	
Dibromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l	1	"	"	"	"	"	
Dibromomethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
Ethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	1.0 ug/l	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
Isopropylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1-Isopropyltoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	1.0 ug/l	1	"	"	"	"	"	
1-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GPIS-22 GW  
3A23419-16

Client Project #

301-81

Matrix

Aqueous

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds**

Volatile Organic Compounds by SW846 8260B

Prepared by method Volatiles

Methylene chloride	BRL	10.0 ug/l	1	SW846 8260B	31-Jan-05	31-Jan-05	5011488	RLJ	
Naphthalene	BRL	1.0 ug/l	1	"	"	"	"	"	
1-Propylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Styrene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Tetrachloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Toluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Vinyl chloride	BRL	1.0 ug/l	1	"	"	"	"	"	
m,p-Xylene	BRL	2.0 ug/l	1	"	"	"	"	"	
o-Xylene	BRL	1.0 ug/l	1	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene	89.8	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	97.6	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	88.6	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	97.4	70-130 %		"	"	"	"	"	

**Extractable Petroleum Hydrocarbons**

Extractable Total Petroleum Hydrocarbons

Prepared by method SW846 3535

Gasoline	BRL	0.1 mg/l	1	+CT ETPH	01-Feb-05	02-Feb-05	5020006	KG	
Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	

Surrogate: 1-Chlorooctadecane	73.8	40-140 %		"	"	"	"	"	
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3535

Aldrin	BRL	0.118 ug/l	1	SW846 8081A	31-Jan-05	02-Feb-05	5011467	TG	
α-BHC	BRL	0.118 ug/l	1	"	"	"	"	"	
β-BHC	BRL	0.118 ug/l	1	"	"	"	"	"	
γ-BHC	BRL	0.118 ug/l	1	"	"	"	"	"	
δ-BHC (Lindane)	BRL	0.118 ug/l	1	"	"	"	"	"	
Chlordane	BRL	0.588 ug/l	1	"	"	"	"	"	
1,4-DDD (p,p')	BRL	0.118 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GPIS-22 GW  
SA23419-16

Client Project #  
301-81

Matrix  
Aqueous

Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3535

4,4-DDE (p,p')	BRL	0.118 ug/l	1	SW846 8081A	31-Jan-05	02-Feb-05	5011467	TG	
4,4-DDT (p,p')	BRL	0.118 ug/l	1	"	"	"	"	"	
Dieldrin	BRL	0.118 ug/l	1	"	"	"	"	"	
Endosulfan I	BRL	0.118 ug/l	1	"	"	"	"	"	
Endosulfan II	BRL	0.118 ug/l	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	0.118 ug/l	1	"	"	"	"	"	
Endrin	BRL	0.118 ug/l	1	"	"	"	"	"	
Endrin Aldehyde	BRL	0.118 ug/l	1	"	"	"	"	"	
Heptachlor	BRL	0.118 ug/l	1	"	"	"	"	"	
Methoxychlor	BRL	0.118 ug/l	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	0.118 ug/l	1	"	"	"	"	"	
Toxaphene	BRL	0.588 ug/l	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	42.1	30-150 %	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	44.3	30-150 %	"	"	"	"	"	"	

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3535

PCB 1016	BRL	0.118 ug/l	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1232	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1242	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1248	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1254	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1260	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1262	BRL	0.118 ug/l	1	"	"	"	"	"	
PCB 1268	BRL	0.118 ug/l	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	50.2	30-150 %	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl (Sr)	63.4	30-150 %	"	"	"	"	"	"	

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3535

R-01

2,4-D	BRL	0.200 ug/l	1	SW846 8151A	01-Feb-05	02-Feb-05	5020001	MP	
2,4,5-T	BRL	0.200 ug/l	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	0.200 ug/l	1	"	"	"	"	"	
2,4-DB	BRL	0.200 ug/l	1	"	"	"	"	"	
Dalapon	BRL	0.200 ug/l	1	"	"	"	"	"	
Dicamba	BRL	0.200 ug/l	1	"	"	"	"	"	
Dinoseb	BRL	0.200 ug/l	1	"	"	"	"	"	
Dichlorprop	BRL	0.200 ug/l	1	"	"	"	"	"	
MCPB	BRL	30.0 ug/l	1	"	"	"	"	"	
MCPA	BRL	30.0 ug/l	1	"	"	"	"	"	
MCPP	BRL	30.0 ug/l	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	43.4	40-140 %	"	"	"	"	"	"	
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**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3535

Acenaphthene	BRL	5.88 ug/l	1	SW846 8270C	01-Feb-05	02-Feb-05	5020004	M.B	
Acenaphthylene	BRL	5.88 ug/l	1	"	"	"	"	"	
Anthracene	BRL	5.88 ug/l	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	5.88 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



Sample Identification

GPIS-22 GW  
SA23419-16

Client Project #  
301-81

Matrix  
Aqueous

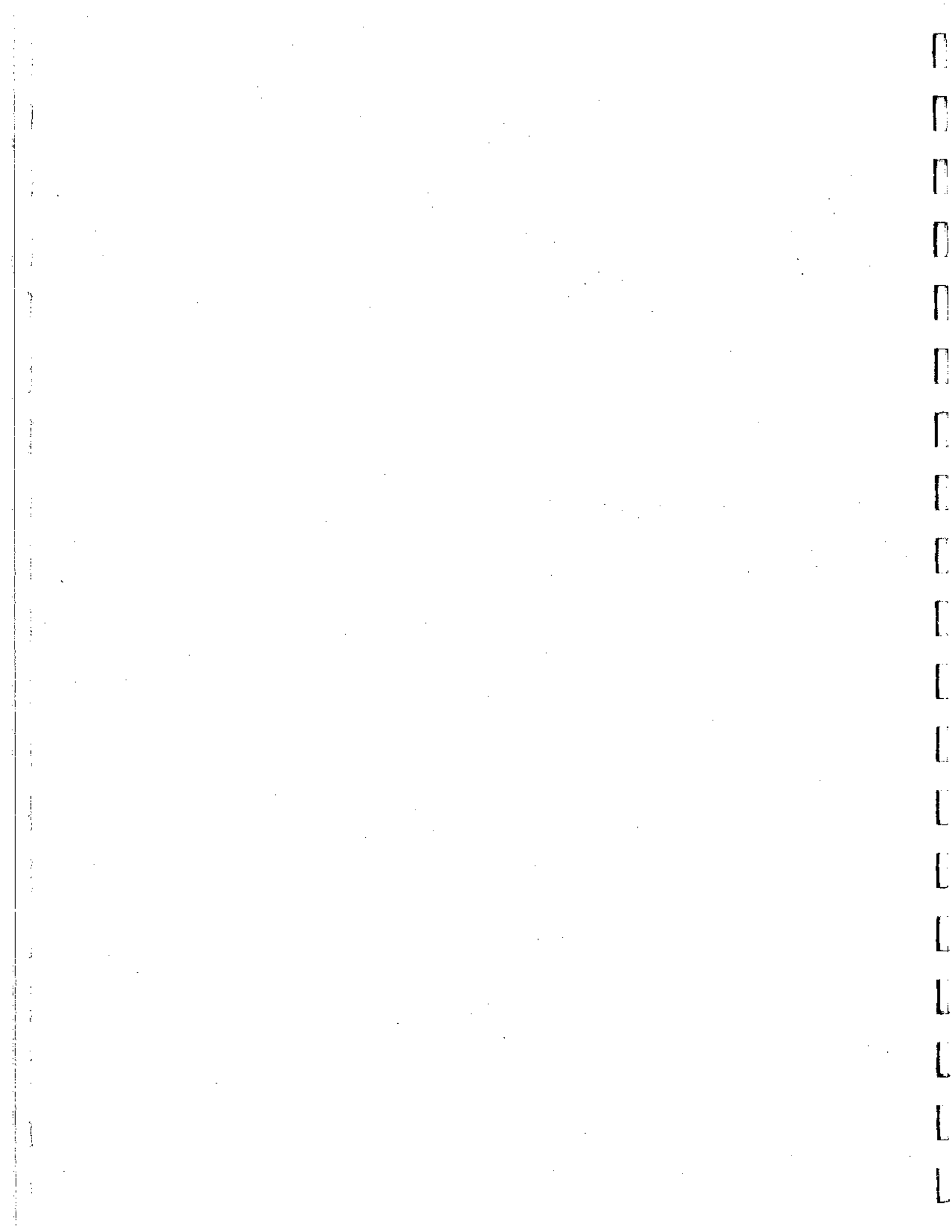
Collection Date/Time  
26-Jan-05 00:00

Received  
27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3535							
Benzidine	BRL	5.88 ug/l	1	SW846 8270C	01-Feb-05	02-Feb-05	5020004	M.B	
Benzo (a) anthracene	BRL	5.88 ug/l	1	"	"	"	"	"	
Benzo (a) pyrene	BRL	5.88 ug/l	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	5.88 ug/l	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	5.88 ug/l	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	5.88 ug/l	1	"	"	"	"	"	
Benzoic acid	BRL	5.88 ug/l	1	"	"	"	"	"	
Benzyl alcohol	BRL	5.88 ug/l	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	5.88 ug/l	1	"	"	"	"	"	
Bis(2-chloroethyl)ether	BRL	5.88 ug/l	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	5.88 ug/l	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	5.88 ug/l	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	5.88 ug/l	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	5.88 ug/l	1	"	"	"	"	"	
4-Chloroaniline	BRL	5.88 ug/l	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	5.88 ug/l	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	5.88 ug/l	1	"	"	"	"	"	
Chrysene	BRL	5.88 ug/l	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	5.88 ug/l	1	"	"	"	"	"	
Dibenzofuran	BRL	5.88 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.88 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.88 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.88 ug/l	1	"	"	"	"	"	
1,3'-Dichlorobenzidine	BRL	5.88 ug/l	1	"	"	"	"	"	
Diethyl phthalate	BRL	5.88 ug/l	1	"	"	"	"	"	
Dimethyl phthalate	BRL	5.88 ug/l	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	5.88 ug/l	1	"	"	"	"	"	
1,4-Dinitrotoluene	BRL	5.88 ug/l	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	5.88 ug/l	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	5.88 ug/l	1	"	"	"	"	"	
Fluoranthene	BRL	5.88 ug/l	1	"	"	"	"	"	
Fluorene	BRL	5.88 ug/l	1	"	"	"	"	"	
Hexachlorobenzene	BRL	5.88 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.88 ug/l	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	5.88 ug/l	1	"	"	"	"	"	
Hexachloroethane	BRL	5.88 ug/l	1	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	BRL	5.88 ug/l	1	"	"	"	"	"	
Isophorone	BRL	5.88 ug/l	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	5.88 ug/l	1	"	"	"	"	"	
Naphthalene	BRL	5.88 ug/l	1	"	"	"	"	"	
2-Nitroaniline	BRL	5.88 ug/l	1	"	"	"	"	"	
3-Nitroaniline	BRL	5.88 ug/l	1	"	"	"	"	"	
4-Nitroaniline	BRL	5.88 ug/l	1	"	"	"	"	"	
Nitrobenzene	BRL	5.88 ug/l	1	"	"	"	"	"	
N-Nitrosodimethylamine	BRL	5.88 ug/l	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	5.88 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit



**Sample Identification**

GP IS-39 GW  
SA23461-25

**Client Project #**

301-81

**Matrix**

Ground Water

**Collection Date/Time**

27-Jan-05 00:00

**Received**

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method Volatiles									
Acetone	BRL	20.0 ug/l	1	SW846 8260B	03-Feb-05	03-Feb-05	5020191	tim	
Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
Benzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromodichloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromoform	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromomethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
n-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
sec-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
tert-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Carbon disulfide	BRL	5.0 ug/l	1	"	"	"	"	"	
Carbon tetrachloride	BRL	1.0 ug/l	1	"	"	"	"	"	
Chlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloroethane	BRL	2.0 ug/l	1	"	"	"	"	"	
Chloroform	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloromethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l	1	"	"	"	"	"	
Dibromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l	1	"	"	"	"	"	
Dibromomethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
ethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	1.0 ug/l	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
Isopropylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
Methyl tert-butyl ether	6.5	1.0 ug/l	1	"	"	"	"	"	
Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GP IS-39 GW  
SA23461-25

Client Project #

301-81

Matrix

Ground Water

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i> Prepared by method Volatiles									
Methylene chloride	BRL	10.0 ug/l	1	SW846 8260B	03-Feb-05	03-Feb-05	5020191	tim	
Naphthalene	BRL	1.0 ug/l	1	"	"	"	"	"	
n-Propylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Styrene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Tetrachloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Toluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Vinyl chloride	BRL	1.0 ug/l	1	"	"	"	"	"	
m,p-Xylene	BRL	2.0 ug/l	1	"	"	"	"	"	
o-Xylene	BRL	1.0 ug/l	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.2	70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8	103	70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	104	70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane	102	70-130 %		"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<i>Extractable Total Petroleum Hydrocarbons</i> Prepared by method SW846 3535									
Gasoline	BRL	0.1 mg/l	1	+CT ETPH	01-Feb-05	02-Feb-05	5020006	KG	
Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
Unidentified	1.0	0.1 mg/l	1	"	"	"	"	"	
Other Oil	Calculated as	0.1 mg/l	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	1.0	0.1 mg/l	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	1.0	0.1 mg/l	1	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	74.8	40-140 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<i>Organochlorine Pesticides SW846 8081A</i> Prepared by method SW846 3535									
Aldrin	BRL	0.143 ug/l	1	SW846 8081A	02-Feb-05	04-Feb-05	5020079	MP	
a-BHC	BRL	0.143 ug/l	1	"	"	"	"	"	
γ-BHC	BRL	0.143 ug/l	1	"	"	"	"	"	
δ-BHC	BRL	0.143 ug/l	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	0.143 ug/l	1	"	"	"	"	"	
Chlordane	BRL	0.714 ug/l	1	"	"	"	"	"	
1,4-DDD (p,p')	BRL	0.143 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit      BRL = Below Reporting Limit

**Sample Identification**

GP IS-39 GW  
SA23461-25

**Client Project #**  
301-81

**Matrix**  
Ground Water

**Collection Date/Time**  
27-Jan-05 00:00

**Received**  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Semivolatile Organic Compounds by GC**

Organochlorine Pesticides SW846 8081A

Prepared by method SW846 3535

4,4-DDE (p,p')	BRL	0.143 ug/l	1	SW846 8081A	02-Feb-05	04-Feb-05	5020079	MP	
4,4-DDT (p,p')	BRL	0.143 ug/l	1	"	"	"	"	"	
Dieldrin	BRL	0.143 ug/l	1	"	"	"	"	"	
Endosulfan I	BRL	0.143 ug/l	1	"	"	"	"	"	
Endosulfan II	BRL	0.143 ug/l	1	"	"	"	"	"	
Endosulfan Sulfate	BRL	0.143 ug/l	1	"	"	"	"	"	
Endrin	BRL	0.143 ug/l	1	"	"	"	"	"	
Endrin Aldehyde	BRL	0.143 ug/l	1	"	"	"	"	"	
Heptachlor	BRL	0.143 ug/l	1	"	"	"	"	"	
Methoxychlor	BRL	0.143 ug/l	1	"	"	"	"	"	
Heptachlor Epoxide	BRL	0.143 ug/l	1	"	"	"	"	"	
Toxaphene	BRL	0.714 ug/l	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 42.7 30-150 % " " " " " "

Surrogate: Decachlorobiphenyl (Sr) 144 30-150 % " " " " " "

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3535

PCB 1016	BRL	0.143 ug/l	1	SW846 8082	"	"	"	"	
PCB 1221	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1232	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1242	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1248	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1254	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1260	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1262	BRL	0.143 ug/l	1	"	"	"	"	"	
PCB 1268	BRL	0.143 ug/l	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 46.9 30-150 % " " " " " "

Surrogate: Decachlorobiphenyl (Sr) 84.3 30-150 % " " " " " "

Chlorinated Herbicides by SW846 8151A

Prepared by method SW846 3535

2,4-D	BRL	0.100 ug/l	1	SW846 8151A	01-Feb-05	02-Feb-05	5020001	"	
2,4,5-T	BRL	0.100 ug/l	1	"	"	"	"	"	
2,4,5-TP (Silvex)	BRL	0.100 ug/l	1	"	"	"	"	"	
2,4-DB	BRL	0.100 ug/l	1	"	"	"	"	"	
Dalapon	BRL	0.100 ug/l	1	"	"	"	"	"	
Dicamba	BRL	0.100 ug/l	1	"	"	"	"	"	
Dinoseb	BRL	0.100 ug/l	1	"	"	"	"	"	
Dichlorprop	BRL	0.100 ug/l	1	"	"	"	"	"	
MCPB	BRL	15.0 ug/l	1	"	"	"	"	"	
MCPA	BRL	15.0 ug/l	1	"	"	"	"	"	
MCPP	BRL	15.0 ug/l	1	"	"	"	"	"	

Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) 1260 40-140 % " " " " " " S-02

**Semivolatile Organic Compounds by GCMS**

Base Neutrals by SW846 8270C

Prepared by method SW846 3535

Acenaphthene	BRL	6.67 ug/l	1	SW846 8270C	01-Feb-05	03-Feb-05	5020004	M.B	
Acenaphthylene	BRL	6.67 ug/l	1	"	"	"	"	"	
Anthracene	BRL	6.67 ug/l	1	"	"	"	"	"	
Azobenzene/Diphenyldiazine	BRL	6.67 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GP IS-39 GW  
SA23461-25

Client Project #  
301-81

Matrix  
Ground Water

Collection Date/Time  
27-Jan-05 00:00

Received  
28-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3535							
Benidine	BRL	6.67 ug/l	1	SW846 8270C	01-Feb-05	03-Feb-05	5020004	M.B	
Benzo (a) anthracene	BRL	6.67 ug/l	1	"	"	"	"	"	
Benzo (a) pyrene	BRL	6.67 ug/l	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	6.67 ug/l	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	6.67 ug/l	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	6.67 ug/l	1	"	"	"	"	"	
Benzoic acid	BRL	6.67 ug/l	1	"	"	"	"	"	
Benzyl alcohol	BRL	6.67 ug/l	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	6.67 ug/l	1	"	"	"	"	"	
Bis(2-chloroethyl)ether	BRL	6.67 ug/l	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	6.67 ug/l	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	6.67 ug/l	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	6.67 ug/l	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	6.67 ug/l	1	"	"	"	"	"	
4-Chloroaniline	BRL	6.67 ug/l	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	6.67 ug/l	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	6.67 ug/l	1	"	"	"	"	"	
Chrysene	BRL	6.67 ug/l	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	6.67 ug/l	1	"	"	"	"	"	
Dibenzofuran	BRL	6.67 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	6.67 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	6.67 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	6.67 ug/l	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	6.67 ug/l	1	"	"	"	"	"	
Diethyl phthalate	BRL	6.67 ug/l	1	"	"	"	"	"	
Dimethyl phthalate	BRL	6.67 ug/l	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	6.67 ug/l	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	6.67 ug/l	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	6.67 ug/l	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	6.67 ug/l	1	"	"	"	"	"	
Fluoranthene	BRL	6.67 ug/l	1	"	"	"	"	"	
Fluorene	BRL	6.67 ug/l	1	"	"	"	"	"	
Hexachlorobenzene	BRL	6.67 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	6.67 ug/l	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	6.67 ug/l	1	"	"	"	"	"	
Hexachloroethane	BRL	6.67 ug/l	1	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	BRL	6.67 ug/l	1	"	"	"	"	"	
Isophorone	BRL	6.67 ug/l	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	6.67 ug/l	1	"	"	"	"	"	
Naphthalene	BRL	6.67 ug/l	1	"	"	"	"	"	
2-Nitroaniline	BRL	6.67 ug/l	1	"	"	"	"	"	
3-Nitroaniline	BRL	6.67 ug/l	1	"	"	"	"	"	
4-Nitroaniline	BRL	6.67 ug/l	1	"	"	"	"	"	
Nitrobenzene	BRL	6.67 ug/l	1	"	"	"	"	"	
N-Nitrosodimethylamine	BRL	6.67 ug/l	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	6.67 ug/l	1	"	"	"	"	"	

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

\*Reportable Detection Limit BRL = Below Reporting Limit

**Sample Identification**GP IS-39 GW  
SA23461-25**Client Project #**

301-81

**Matrix**

Ground Water

**Collection Date/Time**

27-Jan-05 00:00

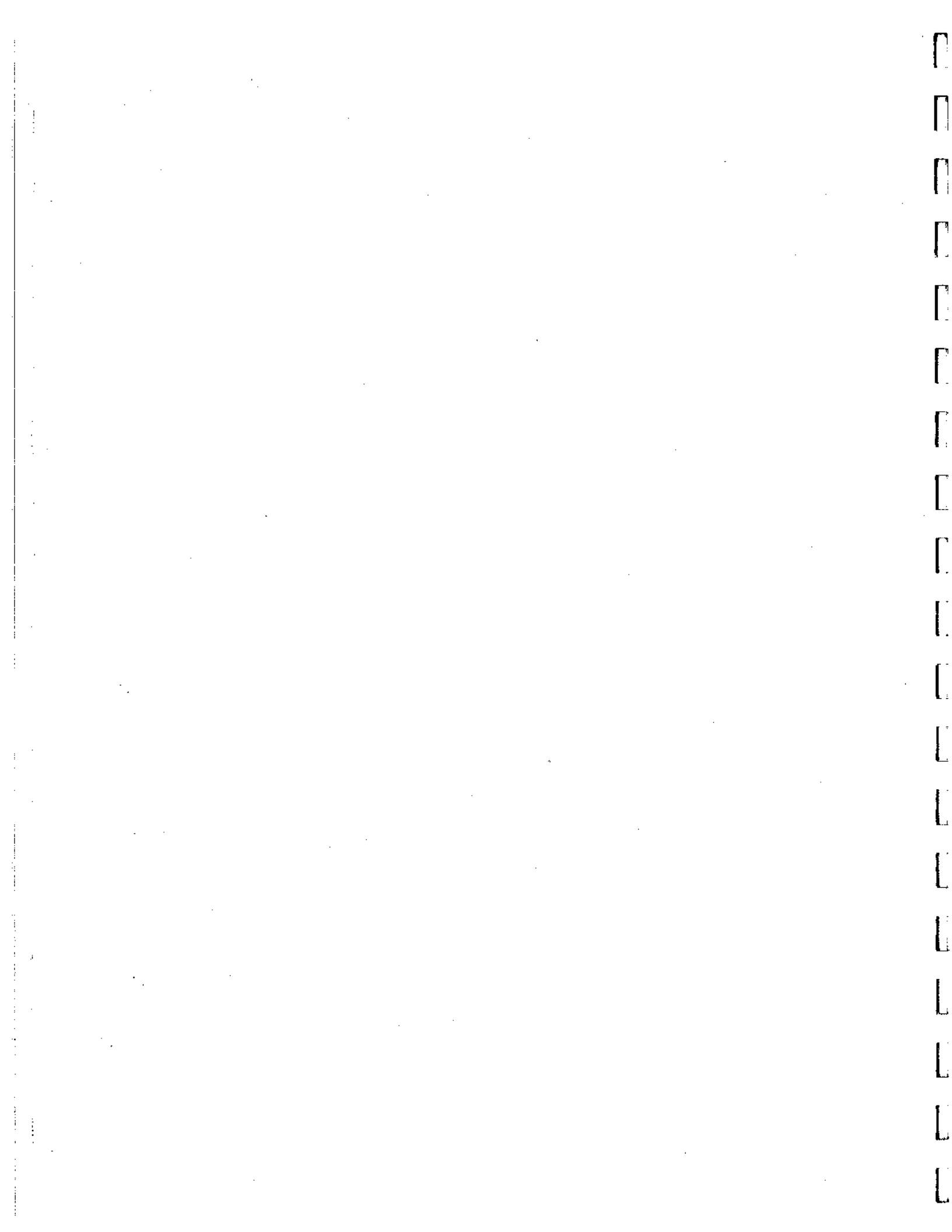
**Received**

28-Jan-05

<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3535							
Phenanthrene	BRL	6.67 ug/l	1	SW846 8270C	01-Feb-05	03-Feb-05	5020004	M.B	
Phenol	BRL	6.67 ug/l	1	"	"	"	"	"	"
Pyrene	BRL	6.67 ug/l	1	"	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>71.1</i>	<i>30-130 %</i>		"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>	<i>85.7</i>	<i>15-110 %</i>		"	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>	<i>62.0</i>	<i>30-130 %</i>		"	"	"	"	"	"
<i>Surrogate: Phenol-d5</i>	<i>76.7</i>	<i>15-110 %</i>		"	"	"	"	"	"
<i>Surrogate: Terphenyl-dl4</i>	<i>65.8</i>	<i>30-130 %</i>		"	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>62.7</i>	<i>15-110 %</i>		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	0.0050 mg/l	1	SW846 6010B	02-Feb-05	04-Feb-05	5020069	RE	
Arsenic	BRL	0.0400 mg/l	1	"	"	"	"	"	"
Barium	0.529	0.0025 mg/l	1	"	"	"	"	"	"
Cadmium	0.0075	0.0012 mg/l	1	"	"	"	"	"	"
Chromium	0.0316	0.0025 mg/l	1	"	"	"	"	"	"
Lead	4.35	0.0038 mg/l	1	"	"	"	"	"	"
Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	"
<b>Total Metals by EPA 200 Series Methods</b>									
Mercury	0.0123	0.00020 mg/l	1	EPA 245.2/7470A	02-Feb-05	03-Feb-05	5020071	YP	

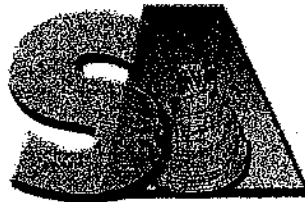
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\*Reportable Detection Limit BRL = Below Reporting Limit





Report Date:  
10-Feb-05 09:02



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

**Laboratory Report**

Logical Environmental Solutions  
354 South River Road  
Tolland, CT 06084  
Attn: Cindy Knight

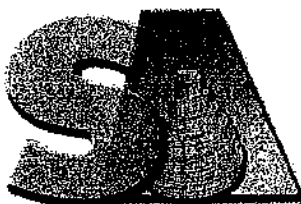
Project: New Haven Rail Yard Interim Shop-CT  
Project #: 301-81

- Final Report
- Re-Issued Report
- Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA23461-01	GP IS-1 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-02	GP IS-3 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-03	GP IS-25 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-04	GP IS-26 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-05	GP IS-27 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-06	GP IS-28 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-07	GP IS-29 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-08	GP IS-30 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-09	GP IS-31 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-10	GP IS-32 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-11	GP IS-33 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-12	GP IS-34 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-13	GP IS-35 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-14	GP IS-36 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-15	GP IS-37 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-16	GP IS-38 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-17	GP IS-39 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-18	GP IS-40 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-19	GP IS-41 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-20	GP IS-42 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-21	GP IS-43 4'-8'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-22	GP IS-44 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-23	GP IS-45 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-24	GP IS-46 2'-4'	Soil	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-25	GP IS-39 GW	Ground Water	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-26	FB-3	Aqueous	27-Jan-05 00:00	28-Jan-05 13:30
SA23461-27	TB-3	Aqueous	27-Jan-05 00:00	28-Jan-05 13:30

ENVIRONMENTAL ANALYSES

Report Date:  
08-Feb-05 15:26



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

### Laboratory Report

Logical Environmental Solutions  
354 South River Road  
Tolland, CT 06084  
Attn: Cindy Knight

Project: New Haven Rail Yard Interim Shop-CT  
Project #: 301-81

- Final Report
- Re-Issued Report
- Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA23376-01	GP IS-2 4'-8'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-02	GP IS-4 2'-4'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-03	GP IS-5 2'-4'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-04	GP IS-6 2'-4'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-05	GP IS-7 4'-8'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-06	GP IS-9 2'-4'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-07	GP IS-10 2'-4'	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-08	B-1	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-09	B-2	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-10	B-3	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-11	B-4	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-12	B-5	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-13	B-6	Soil	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-14	GP IS-6 GW	Ground Water	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-15	FB-1	Blank Water	25-Jan-05 00:00	26-Jan-05 14:15
SA23376-16	TB-1	Blank Water	25-Jan-05 00:00	26-Jan-05 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. All applicable NELAC requirements have been met.

Please note that this report contains 106 pages of analytical data plus Chain of Custody document(s).

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Rhode Island # 98  
USDA # S-51435  
Vermont # VT-11393



Authorized by:

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

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#### ENVIRONMENTAL ANALYSES

Sample IdentificationFB-1  
SA23376-15Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
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**Volatile Organic Compounds***Volatile Organic Compounds by SW846 8260B*

Prepared by method Volatiles

Acetone	BRL	20.0 ug/l	1	SW846 8260B	28-Jan-05	28-Jan-05	5011417	RLJ	
Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
Benzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromodichloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromoform	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromomethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
n-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
sec-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
tert-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Carbon disulfide	BRL	5.0 ug/l	1	"	"	"	"	"	
Carbon tetrachloride	BRL	1.0 ug/l	1	"	"	"	"	"	
Chlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloroethane	BRL	2.0 ug/l	1	"	"	"	"	"	
Chloroform	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloromethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l	1	"	"	"	"	"	
Dibromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l	1	"	"	"	"	"	
Dibromomethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	2.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
Ethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	1.0 ug/l	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
Isopropylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	"	"	"	"	"	

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

\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationFB-1  
SA23376-15Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method Volatiles						
Methylene chloride	BRL	10.0 ug/l	1	SW846 8260B	28-Jan-05	28-Jan-05	5011417	RLJ	
Naphthalene	BRL	1.0 ug/l	1	"	"	"	"	"	
n-Propylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Styrene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Tetrachloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Toluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Vinyl chloride	BRL	1.0 ug/l	1	"	"	"	"	"	
m,p-Xylene	BRL	2.0 ug/l	1	"	"	"	"	"	
o-Xylene	BRL	1.0 ug/l	1	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.2		70-130 %	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	100		70-130 %	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	92.0		70-130 %	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	101		70-130 %	"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>									
<u>Extractable Total Petroleum Hydrocarbons</u>			Prepared by method SW846 3535						
Gasoline	BRL	0.1 mg/l	1	+CT ETPH	28-Jan-05	01-Feb-05	5011375	KG	
Fuel Oil #2	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #4	BRL	0.1 mg/l	1	"	"	"	"	"	
Fuel Oil #6	BRL	0.1 mg/l	1	"	"	"	"	"	
Motor Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Aviation Fuel	BRL	0.1 mg/l	1	"	"	"	"	"	
Unidentified	BRL	0.1 mg/l	1	"	"	"	"	"	
Other Oil	BRL	0.1 mg/l	1	"	"	"	"	"	
Total Petroleum Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
C9-C36 Aliphatic Hydrocarbons	BRL	0.1 mg/l	1	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	61.4		40-140 %	"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>			Prepared by method SW846 3535						
Aldrin	BRL	0.222 ug/l	1	SW846 8081A	31-Jan-05	02-Feb-05	5011467	TG	
a-BHC	BRL	0.222 ug/l	1	"	"	"	"	"	
b-BHC	BRL	0.222 ug/l	1	"	"	"	"	"	
d-BHC	BRL	0.222 ug/l	1	"	"	"	"	"	
g-BHC (Lindane)	BRL	0.222 ug/l	1	"	"	"	"	"	
Chlordane	BRL	1.11 ug/l	1	"	"	"	"	"	
4,4-DDD (p,p')	BRL	0.222 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification

FB-1  
SA23376-15

Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>									
<u>Organochlorine Pesticides SW846 8081A</u>		Prepared by method SW846 3535							
4,4-DDE (p,p')	BRL	0.222 ug/l	1	SW846 8081A	31-Jan-05	02-Feb-05	5011467	TG	
4,4-DDT (p,p')	BRL	0.222 ug/l	1	"	"	"	"	"	"
Dieldrin	BRL	0.222 ug/l	1	"	"	"	"	"	"
Endosulfan I	BRL	0.222 ug/l	1	"	"	"	"	"	"
Endosulfan II	BRL	0.222 ug/l	1	"	"	"	"	"	"
Endosulfan Sulfate	BRL	0.222 ug/l	1	"	"	"	"	"	"
Endrin	BRL	0.222 ug/l	1	"	"	"	"	"	"
Endrin Aldehyde	BRL	0.222 ug/l	1	"	"	"	"	"	"
Heptachlor	BRL	0.222 ug/l	1	"	"	"	"	"	"
Methoxychlor	BRL	0.222 ug/l	1	"	"	"	"	"	"
Heptachlor Epoxide	BRL	0.222 ug/l	1	"	"	"	"	"	"
Toxaphene	BRL	1.11 ug/l	1	"	"	"	"	"	"
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	43.2	30-150 %		"	"	"	"	"	"
Surrogate: Decachlorobiphenyl (Sr)	96.2	30-150 %		"	"	"	"	"	"
<u>Polychlorinated Biphenyls by SW846 8082</u>		Prepared by method SW846 3535							
PCB 1016	BRL	0.222 ug/l	1	SW846 8082	"	"	"	"	"
PCB 1221	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1232	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1242	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1248	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1254	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1260	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1262	BRL	0.222 ug/l	1	"	"	"	"	"	"
PCB 1268	BRL	0.222 ug/l	1	"	"	"	"	"	"
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	53.4	30-150 %		"	"	"	"	"	"
Surrogate: Decachlorobiphenyl (Sr)	70.5	30-150 %		"	"	"	"	"	"
<u>Chlorinated Herbicides by SW846 8151A</u>		Prepared by method SW846 3535							
2,4-D	BRL	0.100 ug/l	1	SW846 8151A	01-Feb-05	02-Feb-05	5020001	MP	
2,4,5-T	BRL	0.100 ug/l	1	"	"	"	"	"	"
2,4,5-TP (Silvex)	BRL	0.100 ug/l	1	"	"	"	"	"	"
2,4-DB	BRL	0.100 ug/l	1	"	"	"	"	"	"
Dalapon	BRL	0.100 ug/l	1	"	"	"	"	"	"
Dicamba	BRL	0.100 ug/l	1	"	"	"	"	"	"
Dinoseb	BRL	0.100 ug/l	1	"	"	"	"	"	"
Dichlorprop	BRL	0.100 ug/l	1	"	"	"	"	"	"
MCPB	BRL	15.0 ug/l	1	"	"	"	"	"	"
MCPA	BRL	15.0 ug/l	1	"	"	"	"	"	"
MCPB	BRL	15.0 ug/l	1	"	"	"	"	"	"
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	49.8	40-140 %		"	"	"	"	"	"
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3535							
Acenaphthene	BRL	5.88 ug/l	1	SW846 8270C	28-Jan-05	01-Feb-05	5011378	M.B	
Acenaphthylene	BRL	5.88 ug/l	1	"	"	"	"	"	"
Anthracene	BRL	5.88 ug/l	1	"	"	"	"	"	"
Azobenzene/Diphenyldiazine	BRL	5.88 ug/l	1	"	"	"	"	"	"

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationTB-1  
SA23376-16Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

25-Jan-05 00:00

Received

26-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>					Prepared by method: Volatiles				
Acetone	BRL	20.0 ug/l	1	SW846 8260B	31-Jan-05	31-Jan-05	5011488	RLJ	
Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
Benzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromodichloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromoform	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromomethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
n-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
sec-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
tert-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Carbon disulfide	BRL	5.0 ug/l	1	"	"	"	"	"	
Carbon tetrachloride	BRL	1.0 ug/l	1	"	"	"	"	"	
Chlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloroethane	BRL	2.0 ug/l	1	"	"	"	"	"	
Chloroform	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloromethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l	1	"	"	"	"	"	
Dibromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l	1	"	"	"	"	"	
Dibromomethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	BRL	2.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
Ethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	1.0 ug/l	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
Isopropylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	"	"	"	"	"	

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011323 - SW846 5030 Soil (high level)</b>									
<b>Blank (5011323-BLK1)</b>			Prepared & Analyzed: 27-Jan-05						
Acetone	BRL	20.0 ug/kg wet							
Acrylonitrile	BRL	1.0 ug/kg wet							
Benzene	BRL	1.0 ug/kg wet							
Bromobenzene	BRL	1.0 ug/kg wet							
Bromochloromethane	BRL	1.0 ug/kg wet							
Bromodichloromethane	BRL	1.0 ug/kg wet							
Bromoform	BRL	1.0 ug/kg wet							
Bromomethane	BRL	2.0 ug/kg wet							
2-Butanone (MEK)	BRL	10.0 ug/kg wet							
n-Butylbenzene	BRL	1.0 ug/kg wet							
sec-Butylbenzene	BRL	1.0 ug/kg wet							
tert-Butylbenzene	BRL	1.0 ug/kg wet							
Carbon disulfide	BRL	5.0 ug/kg wet							
Carbon tetrachloride	BRL	1.0 ug/kg wet							
Chlorobenzene	BRL	1.0 ug/kg wet							
Chloroethane	BRL	2.0 ug/kg wet							
Chloroform	BRL	1.0 ug/kg wet							
Chloromethane	BRL	2.0 ug/kg wet							
2-Chlorotoluene	BRL	1.0 ug/kg wet							
4-Chlorotoluene	BRL	1.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/kg wet							
Dibromochloromethane	BRL	1.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0 ug/kg wet							
Dibromomethane	BRL	1.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	1.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	1.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	1.0 ug/kg wet							
Dichlorodifluoromethane (Freon 12)	BRL	2.0 ug/kg wet							
1,1-Dichloroethane	BRL	1.0 ug/kg wet							
1,2-Dichloroethane	BRL	1.0 ug/kg wet							
1,1-Dichloroethene	BRL	1.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	1.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	1.0 ug/kg wet							
1,2-Dichloropropane	BRL	1.0 ug/kg wet							
1,3-Dichloropropane	BRL	1.0 ug/kg wet							
2,2-Dichloropropane	BRL	1.0 ug/kg wet							
1,1-Dichloropropene	BRL	1.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	1.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	1.0 ug/kg wet							
Ethylbenzene	BRL	1.0 ug/kg wet							
Hexachlorobutadiene	BRL	1.0 ug/kg wet							
2-Hexanone (MBK)	BRL	10.0 ug/kg wet							
Isopropylbenzene	BRL	1.0 ug/kg wet							
4-Isopropyltoluene	BRL	1.0 ug/kg wet							
Methyl tert-butyl ether	BRL	1.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/kg wet							
Methylene chloride	BRL	10.0 ug/kg wet							
Naphthalene	BRL	1.0 ug/kg wet							
n-Propylbenzene	BRL	1.0 ug/kg wet							
Styrene	BRL	1.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/kg wet							
Tetrachloroethene	BRL	1.0 ug/kg wet							
Toluene	BRL	1.0 ug/kg wet							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011323 - SW846 5030 Soil (high level)</b>									
<b>Blank (5011323-BLK1)</b>			Prepared & Analyzed: 27-Jan-05						
1,2,3-Trichlorobenzene	BRL	1.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	1.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	1.0 ug/kg wet							
Trichloroethene	BRL	1.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	1.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0 ug/kg wet							
Vinyl chloride	BRL	1.0 ug/kg wet							
m,p-Xylene	BRL	2.0 ug/kg wet							
o-Xylene	BRL	1.0 ug/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	51.1	ug/kg wet	50.0		102	70-130			
<i>Surrogate: Toluene-d8</i>	49.0	ug/kg wet	50.0		98.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.7	ug/kg wet	50.0		101	70-130			
<i>Surrogate: Dibromofluoromethane</i>	48.6	ug/kg wet	50.0		97.2	70-130			
<b>Matrix Spike (5011323-MS1)</b>			Source: SA23238-39		Prepared & Analyzed: 27-Jan-05				
Benzene	19.4	ug/kg dry	20.0	BRL	97.0	70-130			
Chlorobenzene	22.2	ug/kg dry	20.0	BRL	111	70-130			
1,1-Dichloroethene	24.4	ug/kg dry	20.0	BRL	122	70-130			
Toluene	20.3	ug/kg dry	20.0	BRL	102	70-130			
Trichloroethene	21.4	ug/kg dry	20.0	1.24	101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	53.0	ug/kg dry	50.0		106	70-130			
<i>Surrogate: Toluene-d8</i>	49.6	ug/kg dry	50.0		99.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.7	ug/kg dry	50.0		103	70-130			
<i>Surrogate: Dibromofluoromethane</i>	49.8	ug/kg dry	50.0		99.6	70-130			
<b>Matrix Spike Dup (5011323-MSD1)</b>			Source: SA23238-39		Prepared & Analyzed: 27-Jan-05				
Benzene	19.9	ug/kg dry	20.0	BRL	99.5	70-130	2.54	30	
Chlorobenzene	22.9	ug/kg dry	20.0	BRL	114	70-130	2.67	30	
1,1-Dichloroethene	24.4	ug/kg dry	20.0	BRL	122	70-130	0.00	30	
Toluene	20.9	ug/kg dry	20.0	BRL	104	70-130	1.94	30	
Trichloroethene	21.9	ug/kg dry	20.0	1.24	103	70-130	1.96	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	52.8	ug/kg dry	50.0		106	70-130			
<i>Surrogate: Toluene-d8</i>	49.6	ug/kg dry	50.0		99.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.5	ug/kg dry	50.0		101	70-130			
<i>Surrogate: Dibromofluoromethane</i>	48.6	ug/kg dry	50.0		97.2	70-130			
<b>Batch 5011417 - Volatiles</b>									
<b>Blank (5011417-BLK1)</b>			Prepared & Analyzed: 28-Jan-05						
Acetone	BRL	20.0 ug/l							
Acrylonitrile	BRL	1.0 ug/l							
Benzene	BRL	1.0 ug/l							
Bromobenzene	BRL	1.0 ug/l							
Bromochloromethane	BRL	1.0 ug/l							
Bromodichloromethane	BRL	1.0 ug/l							
Bromoform	BRL	1.0 ug/l							
Bromomethane	BRL	2.0 ug/l							
2-Butanone (MEK)	BRL	10.0 ug/l							
n-Butylbenzene	BRL	1.0 ug/l							
sec-Butylbenzene	BRL	1.0 ug/l							
tert-Butylbenzene	BRL	1.0 ug/l							
Carbon disulfide	BRL	5.0 ug/l							
Carbon tetrachloride	BRL	1.0 ug/l							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011417 - Volatiles</b>									
<b>Blank (5011417-BLK1)</b>			Prepared & Analyzed: 28-Jan-05						
Chlorobenzene	BRL	1.0 ug/l							
Chloroethane	BRL	2.0 ug/l							
Chloroform	BRL	1.0 ug/l							
Chloromethane	BRL	2.0 ug/l							
2-Chlorotoluene	BRL	1.0 ug/l							
4-Chlorotoluene	BRL	1.0 ug/l							
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l							
Dibromochloromethane	BRL	1.0 ug/l							
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l							
Dibromomethane	BRL	1.0 ug/l							
1,2-Dichlorobenzene	BRL	1.0 ug/l							
1,3-Dichlorobenzene	BRL	1.0 ug/l							
1,4-Dichlorobenzene	BRL	1.0 ug/l							
Dichlorodifluoromethane (Freon 12)	BRL	2.0 ug/l							
1,1-Dichloroethane	BRL	1.0 ug/l							
1,2-Dichloroethane	BRL	1.0 ug/l							
1,1-Dichloroethene	BRL	1.0 ug/l							
cis-1,2-Dichloroethene	BRL	1.0 ug/l							
trans-1,2-Dichloroethene	BRL	1.0 ug/l							
1,2-Dichloropropane	BRL	1.0 ug/l							
1,3-Dichloropropane	BRL	1.0 ug/l							
2,2-Dichloropropane	BRL	1.0 ug/l							
1,1-Dichloropropene	BRL	1.0 ug/l							
cis-1,3-Dichloropropene	BRL	1.0 ug/l							
trans-1,3-Dichloropropene	BRL	1.0 ug/l							
Ethylbenzene	BRL	1.0 ug/l							
Hexachlorobutadiene	BRL	1.0 ug/l							
2-Hexanone (MBK)	BRL	10.0 ug/l							
Isopropylbenzene	BRL	1.0 ug/l							
4-Isopropyltoluene	BRL	1.0 ug/l							
Methyl tert-butyl ether	BRL	1.0 ug/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l							
Methylene chloride	BRL	10.0 ug/l							
Naphthalene	BRL	1.0 ug/l							
n-Propylbenzene	BRL	1.0 ug/l							
Styrene	BRL	1.0 ug/l							
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l							
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l							
Tetrachloroethene	BRL	1.0 ug/l							
Toluene	BRL	1.0 ug/l							
1,2,3-Trichlorobenzene	BRL	1.0 ug/l							
1,2,4-Trichlorobenzene	BRL	1.0 ug/l							
1,1,1-Trichloroethane	BRL	1.0 ug/l							
1,1,2-Trichloroethane	BRL	1.0 ug/l							
Trichloroethene	BRL	1.0 ug/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l							
1,2,3-Trichloropropane	BRL	1.0 ug/l							
1,2,4-Trimethylbenzene	BRL	1.0 ug/l							
1,3,5-Trimethylbenzene	BRL	1.0 ug/l							
Vinyl chloride	BRL	1.0 ug/l							
m,p-Xylene	BRL	2.0 ug/l							
o-Xylene	BRL	1.0 ug/l							
Surrogate: 4-Bromofluorobenzene	45.6	ug/l	50.0		91.2	70-130			
Surrogate: Toluene-d8	49.4	ug/l	50.0		98.8	70-130			

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011417 - Volatiles</b>									
<b>Blank (5011417-BLK1)</b>			Prepared & Analyzed: 28-Jan-05						
Surrogate: 1,2-Dichloroethane-d4	44.5	ug/l	50.0		89.0	70-130			
Surrogate: Dibromofluoromethane	49.7	ug/l	50.0		99.4	70-130			
<b>Matrix Spike (5011417-MS1)</b>			Source: SA23376-14		Prepared & Analyzed: 28-Jan-05				
Benzene	17.0	ug/l	20.0	BRL	85.0	70-130			
Chlorobenzene	17.6	ug/l	20.0	BRL	88.0	70-130			
1,1-Dichloroethene	15.4	ug/l	20.0	BRL	77.0	70-130			
Toluene	17.7	ug/l	20.0	BRL	88.5	70-130			
Trichloroethene	16.7	ug/l	20.0	BRL	83.5	70-130			
Surrogate: 4-Bromofluorobenzene	48.5	ug/l	50.0		97.0	70-130			
Surrogate: Toluene-d8	51.5	ug/l	50.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	47.8	ug/l	50.0		95.6	70-130			
Surrogate: Dibromofluoromethane	51.4	ug/l	50.0		103	70-130			
<b>Matrix Spike Dup (5011417-MSD1)</b>			Source: SA23376-14		Prepared & Analyzed: 28-Jan-05				
Benzene	18.8	ug/l	20.0	BRL	94.0	70-130	10.1	30	
Chlorobenzene	18.7	ug/l	20.0	BRL	93.5	70-130	6.06	30	
1,1-Dichloroethene	16.1	ug/l	20.0	BRL	80.5	70-130	4.44	30	
Toluene	18.3	ug/l	20.0	BRL	91.5	70-130	3.33	30	
Trichloroethene	17.4	ug/l	20.0	BRL	87.0	70-130	4.11	30	
Surrogate: 4-Bromofluorobenzene	47.1	ug/l	50.0		94.2	70-130			
Surrogate: Toluene-d8	50.1	ug/l	50.0		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	44.8	ug/l	50.0		89.6	70-130			
Surrogate: Dibromofluoromethane	49.3	ug/l	50.0		98.6	70-130			
<b>Batch 5011418 - SW846 5035A Soil (low level)</b>									
<b>Blank (5011418-BLK1)</b>			Prepared & Analyzed: 28-Jan-05						
Acetone	BRL	20.0 ug/kg wet							
Acrylonitrile	BRL	5.0 ug/kg wet							
Benzene	BRL	5.0 ug/kg wet							
Bromobenzene	BRL	5.0 ug/kg wet							
Bromochloromethane	BRL	5.0 ug/kg wet							
Bromodichloromethane	BRL	5.0 ug/kg wet							
Bromoform	BRL	5.0 ug/kg wet							
Bromomethane	BRL	10.0 ug/kg wet							
2-Butanone (MEK)	BRL	50.0 ug/kg wet							
n-Butylbenzene	BRL	5.0 ug/kg wet							
sec-Butylbenzene	BRL	5.0 ug/kg wet							
tert-Butylbenzene	BRL	5.0 ug/kg wet							
Carbon disulfide	BRL	25.0 ug/kg wet							
Carbon tetrachloride	BRL	5.0 ug/kg wet							
Chlorobenzene	BRL	5.0 ug/kg wet							
Chloroethane	BRL	10.0 ug/kg wet							
Chloroform	BRL	5.0 ug/kg wet							
Chloromethane	BRL	10.0 ug/kg wet							
2-Chlorotoluene	BRL	5.0 ug/kg wet							
4-Chlorotoluene	BRL	5.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0 ug/kg wet							
Dibromochloromethane	BRL	5.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0 ug/kg wet							
Dibromomethane	BRL	5.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	5.0 ug/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0 ug/kg wet							

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### Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011418 - SW846 5035A Soil (low level)</b>									
<b>Blank (5011418-BLK1)</b>			Prepared & Analyzed: 28-Jan-05						
1,1-Dichloroethane	BRL	5.0 ug/kg wet							
1,2-Dichloroethane	BRL	5.0 ug/kg wet							
1,1-Dichloroethene	BRL	5.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
1,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,3-Dichloropropane	BRL	5.0 ug/kg wet							
2,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,1-Dichloropropene	BRL	5.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
Ethylbenzene	BRL	5.0 ug/kg wet							
Hexachlorobutadiene	BRL	5.0 ug/kg wet							
2-Hexanone (MBK)	BRL	50.0 ug/kg wet							
Isopropylbenzene	BRL	5.0 ug/kg wet							
4-Isopropyltoluene	BRL	5.0 ug/kg wet							
Methyl tert-butyl ether	BRL	5.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0 ug/kg wet							
Methylene chloride	BRL	50.0 ug/kg wet							
Naphthalene	BRL	5.0 ug/kg wet							
n-Propylbenzene	BRL	5.0 ug/kg wet							
Styrene	BRL	5.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
Tetrachloroethene	BRL	5.0 ug/kg wet							
Toluene	BRL	5.0 ug/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0 ug/kg wet							
Trichloroethene	BRL	5.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0 ug/kg wet							
Vinyl chloride	BRL	5.0 ug/kg wet							
m,p-Xylene	BRL	10.0 ug/kg wet							
o-Xylene	BRL	5.0 ug/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	49.1	ug/kg wet	50.0		98.2	70-130			
<i>Surrogate: Toluene-d8</i>	48.0	ug/kg wet	50.0		96.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.6	ug/kg wet	50.0		103	70-130			
<i>Surrogate: Dibromofluoromethane</i>	46.0	ug/kg wet	50.0		92.0	70-130			
<b>Batch 5011488 - Volatiles</b>									
<b>Blank (5011488-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
Acetone	BRL	20.0 ug/l							
Acrylonitrile	BRL	1.0 ug/l							
Benzene	BRL	1.0 ug/l							
Bromobenzene	BRL	1.0 ug/l							
Bromochloromethane	BRL	1.0 ug/l							
Bromodichloromethane	BRL	1.0 ug/l							
Bromoform	BRL	1.0 ug/l							
Bromomethane	BRL	2.0 ug/l							
2-Butanone (MEK)	BRL	10.0 ug/l							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011488 - Volatiles</b>									
<b>Blank (5011488-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
n-Butylbenzene	BRL	1.0 ug/l							
sec-Butylbenzene	BRL	1.0 ug/l							
tert-Butylbenzene	BRL	1.0 ug/l							
Carbon disulfide	BRL	5.0 ug/l							
Carbon tetrachloride	BRL	1.0 ug/l							
Chlorobenzene	BRL	1.0 ug/l							
Chloroethane	BRL	2.0 ug/l							
Chloroform	BRL	1.0 ug/l							
Chloromethane	BRL	2.0 ug/l							
2-Chlorotoluene	BRL	1.0 ug/l							
4-Chlorotoluene	BRL	1.0 ug/l							
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l							
Dibromochloromethane	BRL	1.0 ug/l							
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l							
Dibromomethane	BRL	1.0 ug/l							
1,2-Dichlorobenzene	BRL	1.0 ug/l							
1,3-Dichlorobenzene	BRL	1.0 ug/l							
1,4-Dichlorobenzene	BRL	1.0 ug/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l							
1,1-Dichloroethane	BRL	1.0 ug/l							
1,2-Dichloroethane	BRL	1.0 ug/l							
1,1-Dichloroethene	BRL	1.0 ug/l							
cis-1,2-Dichloroethene	BRL	1.0 ug/l							
trans-1,2-Dichloroethene	BRL	1.0 ug/l							
1,2-Dichloropropane	BRL	1.0 ug/l							
1,3-Dichloropropane	BRL	1.0 ug/l							
2,2-Dichloropropane	BRL	1.0 ug/l							
1,1-Dichloropropene	BRL	1.0 ug/l							
cis-1,3-Dichloropropene	BRL	1.0 ug/l							
trans-1,3-Dichloropropene	BRL	1.0 ug/l							
Ethylbenzene	BRL	1.0 ug/l							
Hexachlorobutadiene	BRL	1.0 ug/l							
2-Hexanone (MBK)	BRL	10.0 ug/l							
Isopropylbenzene	BRL	1.0 ug/l							
4-Isopropyltoluene	BRL	1.0 ug/l							
Methyl tert-butyl ether	BRL	1.0 ug/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l							
Methylene chloride	BRL	10.0 ug/l							
Naphthalene	BRL	1.0 ug/l							
n-Propylbenzene	BRL	1.0 ug/l							
Styrene	BRL	1.0 ug/l							
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l							
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l							
Tetrachloroethene	BRL	1.0 ug/l							
Toluene	BRL	1.0 ug/l							
1,2,3-Trichlorobenzene	BRL	1.0 ug/l							
1,2,4-Trichlorobenzene	BRL	1.0 ug/l							
1,1,1-Trichloroethane	BRL	1.0 ug/l							
1,1,2-Trichloroethane	BRL	1.0 ug/l							
Trichloroethene	BRL	1.0 ug/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l							
1,2,3-Trichloropropane	BRL	1.0 ug/l							
1,2,4-Trimethylbenzene	BRL	1.0 ug/l							
1,3,5-Trimethylbenzene	BRL	1.0 ug/l							

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### Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011488 - Volatiles</b>									
<b>Blank (5011488-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
Vinyl chloride	BRL	1.0 ug/l							
m,p-Xylene	BRL	2.0 ug/l							
o-Xylene	BRL	1.0 ug/l							
<i>Surrogate: 4-Bromofluorobenzene</i>	45.0	ug/l	50.0		90.0	70-130			
<i>Surrogate: Toluene-d8</i>	49.2	ug/l	50.0		98.4	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	43.7	ug/l	50.0		87.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	49.2	ug/l	50.0		98.4	70-130			
<b>Matrix Spike (5011488-MS1)</b>			Source: SA23451-01		Prepared & Analyzed: 31-Jan-05				
Benzene	20.5	ug/l	20.0	BRL	102	70-130			
Chlorobenzene	20.0	ug/l	20.0	BRL	100	70-130			
1,1-Dichloroethene	19.5	ug/l	20.0	BRL	97.5	70-130			
Toluene	20.3	ug/l	20.0	BRL	102	70-130			
Trichloroethene	19.8	ug/l	20.0	BRL	99.0	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	47.4	ug/l	50.0		94.8	70-130			
<i>Surrogate: Toluene-d8</i>	50.2	ug/l	50.0		100	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	46.2	ug/l	50.0		92.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	51.2	ug/l	50.0		102	70-130			
<b>Matrix Spike Dup (5011488-MSD1)</b>			Source: SA23451-01		Prepared & Analyzed: 31-Jan-05				
Benzene	21.2	ug/l	20.0	BRL	106	70-130	3.85	30	
Chlorobenzene	20.6	ug/l	20.0	BRL	103	70-130	2.96	30	
1,1-Dichloroethene	21.1	ug/l	20.0	BRL	106	70-130	8.35	30	
Toluene	20.8	ug/l	20.0	BRL	104	70-130	1.94	30	
Trichloroethene	20.1	ug/l	20.0	BRL	100	70-130	1.01	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	46.0	ug/l	50.0		92.0	70-130			
<i>Surrogate: Toluene-d8</i>	49.6	ug/l	50.0		99.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	44.7	ug/l	50.0		89.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	49.5	ug/l	50.0		99.0	70-130			

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## Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011375 - SW846 3535</b>									
<b>Blank (5011375-BLK1)</b>			Prepared & Analyzed: 28-Jan-05						
Gasoline	BRL	0.05 mg/l							
Fuel Oil #2	BRL	0.05 mg/l							
Fuel Oil #4	BRL	0.05 mg/l							
Fuel Oil #6	BRL	0.05 mg/l							
Motor Oil	BRL	0.05 mg/l							
Aviation Fuel	BRL	0.05 mg/l							
Unidentified	BRL	0.05 mg/l							
Other Oil	BRL	0.05 mg/l							
Total Petroleum Hydrocarbons	BRL	0.05 mg/l							
C9-C36 Aliphatic Hydrocarbons	BRL	0.05 mg/l							
<i>Surrogate: 1-Chlorooctadecane</i>	0.0306	mg/l	0.0500		61.2	40-140			
<b>LCS (5011375-BS1)</b>			Prepared: 28-Jan-05 Analyzed: 01-Feb-05						
C9-C36 Aliphatic Hydrocarbons	1.1	0.05 mg/l	1.40		78.6	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	0.0382	mg/l	0.0500		76.4	40-140			
<b>Duplicate (5011375-DUP1)</b>			Source: SA23410-05		Prepared & Analyzed: 28-Jan-05				
Gasoline	BRL	0.2 mg/l		BRL					50
Fuel Oil #2	BRL	0.2 mg/l		BRL					50
Fuel Oil #4	BRL	0.2 mg/l		BRL					50
Fuel Oil #6	BRL	0.2 mg/l		BRL					50
Motor Oil	BRL	0.2 mg/l		BRL					50
Aviation Fuel	BRL	0.2 mg/l		BRL					50
Unidentified	BRL	0.2 mg/l		BRL					50
Other Oil	BRL	0.2 mg/l		BRL					50
Total Petroleum Hydrocarbons	BRL	0.2 mg/l		BRL					50
C9-C36 Aliphatic Hydrocarbons	BRL	0.2 mg/l		BRL					50
<i>Surrogate: 1-Chlorooctadecane</i>	0.0922	mg/l	0.125		73.8	40-140			
<b>Batch 5011379 - SW846 3545A</b>									
<b>Blank (5011379-BLK1)</b>			Prepared: 28-Jan-05 Analyzed: 02-Feb-05						
Gasoline	BRL	13.3 mg/kg wet							
Fuel Oil #2	BRL	13.3 mg/kg wet							
Fuel Oil #4	BRL	13.3 mg/kg wet							
Fuel Oil #6	BRL	13.3 mg/kg wet							
Motor Oil	BRL	13.3 mg/kg wet							
Aviation Fuel	BRL	13.3 mg/kg wet							
Unidentified	BRL	13.3 mg/kg wet							
Other Oil	BRL	13.3 mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3 mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3 mg/kg wet							
<i>Surrogate: 1-Chlorooctadecane</i>	2.68	mg/kg wet	3.33		80.5	40-140			
<b>LCS (5011379-BS1)</b>			Prepared: 28-Jan-05 Analyzed: 02-Feb-05						
C9-C36 Aliphatic Hydrocarbons	88.5	13.3 mg/kg wet	93.3		94.9	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	3.22	mg/kg wet	3.33		96.7	40-140			
<b>Duplicate (5011379-DUP1)</b>			Source: SA23376-03		Prepared: 28-Jan-05 Analyzed: 02-Feb-05				
Gasoline	BRL	29.6 mg/kg dry		BRL					50
Fuel Oil #2	BRL	29.6 mg/kg dry		BRL					50
Fuel Oil #4	BRL	29.6 mg/kg dry		BRL					50
Fuel Oil #6	BRL	29.6 mg/kg dry		BRL					50
Motor Oil	BRL	29.6 mg/kg dry		BRL					50
Aviation Fuel	BRL	29.6 mg/kg dry		BRL					50
Unidentified	BRL	29.6 mg/kg dry		BRL					50
Other Oil	BRL	29.6 mg/kg dry		BRL					50

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### Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011379 - SW846 3545A</b>									
<b>Duplicate (5011379-DUP1)</b>									
		Source: SA23376-03		Prepared: 28-Jan-05		Analyzed: 02-Feb-05			
Total Petroleum Hydrocarbons	BRL	29.6 mg/kg dry		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	29.6 mg/kg dry		BRL				50	
<i>Surrogate: 1-Chlorooctadecane</i>	3.85	mg/kg dry	3.71		104	40-140			
<b>Matrix Spike (5011379-MS1)</b>									
		Source: SA23376-03		Prepared: 28-Jan-05		Analyzed: 02-Feb-05			
C9-C36 Aliphatic Hydrocarbons	88.1	14.8 mg/kg dry	104	BRL	84.7	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	3.11	mg/kg dry	3.71		83.8	40-140			
<b>Matrix Spike Dup (5011379-MSD1)</b>									
		Source: SA23376-03		Prepared: 28-Jan-05		Analyzed: 02-Feb-05			
C9-C36 Aliphatic Hydrocarbons	94.5	14.8 mg/kg dry	104	BRL	90.9	40-140	7.06	30	
<i>Surrogate: 1-Chlorooctadecane</i>	3.30	mg/kg dry	3.71		88.9	40-140			

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**Semivolatile Organic Compounds by GC - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Flag
<b>Batch 5011376 - SW846 3550B</b>								
<b>Blank (5011376-BLK1)</b>			Prepared & Analyzed: 28-Jan-05					
PCB 1016	BRL	28.6 ug/kg wet						
PCB 1221	BRL	28.6 ug/kg wet						
PCB 1232	BRL	28.6 ug/kg wet						
PCB 1242	BRL	28.6 ug/kg wet						
PCB 1248	BRL	28.6 ug/kg wet						
PCB 1254	BRL	28.6 ug/kg wet						
PCB 1260	BRL	28.6 ug/kg wet						
PCB 1262	BRL	28.6 ug/kg wet						
PCB 1268	BRL	28.6 ug/kg wet						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	23.1	ug/kg wet	28.6		80.8 30-150			
Surrogate: Decachlorobiphenyl (Sr)	29.0	ug/kg wet	28.6		101 30-150			
<b>Duplicate (5011376-DUP1)</b>			Source: SA23376-05		Prepared & Analyzed: 28-Jan-05			
PCB 1016	BRL	38.6 ug/kg dry		BRL				40
PCB 1221	BRL	38.6 ug/kg dry		BRL				40
PCB 1232	BRL	38.6 ug/kg dry		BRL				40
PCB 1242	BRL	38.6 ug/kg dry		BRL				40
PCB 1248	BRL	38.6 ug/kg dry		BRL				40
PCB 1254	BRL	38.6 ug/kg dry		BRL				40
PCB 1260	BRL	38.6 ug/kg dry		BRL				40
PCB 1262	BRL	38.6 ug/kg dry		BRL				40
PCB 1268	BRL	38.6 ug/kg dry		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	32.1	ug/kg dry	38.6		83.2 30-150			
Surrogate: Decachlorobiphenyl (Sr)	36.0	ug/kg dry	38.6		93.3 30-150			
<b>Matrix Spike (5011376-MS1)</b>			Source: SA23376-05		Prepared & Analyzed: 28-Jan-05			
PCB 1016	345	38.5 ug/kg dry	481	BRL	71.7 40-140			
PCB 1260	462	38.5 ug/kg dry	481	BRL	96.0 40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	29.7	ug/kg dry	38.5		77.1 40-140			
Surrogate: Decachlorobiphenyl (Sr)	36.7	ug/kg dry	38.5		95.3 40-140			
<b>Matrix Spike Dup (5011376-MSD1)</b>			Source: SA23376-05		Prepared & Analyzed: 28-Jan-05			
PCB 1016	325	38.4 ug/kg dry	479	BRL	67.8 40-140	5.59	50	
PCB 1260	445	38.4 ug/kg dry	479	BRL	92.9 40-140	3.28	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	31.1	ug/kg dry	38.4		81.0 40-140			
Surrogate: Decachlorobiphenyl (Sr)	36.6	ug/kg dry	38.4		95.3 40-140			
<b>Batch 5011377 - SW846 3550B</b>								
<b>Blank (5011377-BLK1)</b>			Prepared: 28-Jan-05 Analyzed: 01-Feb-05					
Aldrin	BRL	14.3 ug/kg wet						
a-BHC	BRL	14.3 ug/kg wet						
b-BHC	BRL	14.3 ug/kg wet						
d-BHC	BRL	14.3 ug/kg wet						
g-BHC (Lindane)	BRL	14.3 ug/kg wet						
Chlordane	BRL	71.5 ug/kg wet						
4,4-DDD (p,p')	BRL	14.3 ug/kg wet						
4,4-DDE (p,p')	BRL	14.3 ug/kg wet						
4,4-DDT (p,p')	BRL	14.3 ug/kg wet						
Dieldrin	BRL	14.3 ug/kg wet						
Endosulfan I	BRL	14.3 ug/kg wet						
Endosulfan II	BRL	14.3 ug/kg wet						
Endosulfan Sulfate	BRL	14.3 ug/kg wet						
Endrin	BRL	14.3 ug/kg wet						
Endrin Aldehyde	BRL	14.3 ug/kg wet						
Heptachlor	BRL	14.3 ug/kg wet						
Methoxychlor	BRL	14.3 ug/kg wet						

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**Semivolatile Organic Compounds by GC - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011377 - SW846 3550B</b>									
<b>Blank (5011377-BLK1)</b>									
Prepared: 28-Jan-05 Analyzed: 01-Feb-05									
Heptachlor Epoxide	BRL	14.3 ug/kg wet							
Toxaphene	BRL	71.5 ug/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	22.9	ug/kg wet	28.6		80.1	30-150			
Surrogate: Decachlorobiphenyl (Sr)	23.1	ug/kg wet	28.6		80.8	30-150			
<b>Duplicate (5011377-DUP1)</b>									
Source: SA23376-05 Prepared: 28-Jan-05 Analyzed: 01-Feb-05									
Aldrin	BRL	19.3 ug/kg dry		BRL				30	
a-BHC	BRL	19.3 ug/kg dry		BRL				30	
b-BHC	BRL	19.3 ug/kg dry		BRL				30	
d-BHC	BRL	19.3 ug/kg dry		BRL				30	
g-BHC (Lindane)	BRL	19.3 ug/kg dry		BRL				30	
Chlordane	BRL	96.5 ug/kg dry		BRL				30	
4,4-DDD (p,p')	BRL	19.3 ug/kg dry		BRL				30	
4,4-DDE (p,p')	BRL	19.3 ug/kg dry		BRL				30	
4,4-DDT (p,p')	BRL	19.3 ug/kg dry		BRL				30	
Dieldrin	BRL	19.3 ug/kg dry		BRL				30	
Endosulfan I	BRL	19.3 ug/kg dry		BRL				30	
Endosulfan II	BRL	19.3 ug/kg dry		BRL				30	
Endosulfan Sulfate	BRL	19.3 ug/kg dry		BRL				30	
Endrin	BRL	19.3 ug/kg dry		BRL				30	
Endrin Aldehyde	BRL	19.3 ug/kg dry		BRL				30	
Heptachlor	BRL	19.3 ug/kg dry		BRL				30	
Methoxychlor	BRL	19.3 ug/kg dry		BRL				30	
Heptachlor Epoxide	BRL	19.3 ug/kg dry		BRL				30	
Toxaphene	BRL	96.5 ug/kg dry		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	30.0	ug/kg dry	38.6		77.7	30-150			
Surrogate: Decachlorobiphenyl (Sr)	29.2	ug/kg dry	38.6		75.6	30-150			
<b>Matrix Spike (5011377-MS1)</b>									
Source: SA23376-05 Prepared: 28-Jan-05 Analyzed: 01-Feb-05									
Aldrin	26.6	19.2 ug/kg dry	38.4	BRL	69.3	30-150			
a-BHC	27.6	19.2 ug/kg dry	38.4	BRL	71.9	30-150			
b-BHC	25.3	19.2 ug/kg dry	38.4	BRL	65.9	30-150			
d-BHC	22.6	19.2 ug/kg dry	38.4	BRL	58.9	30-150			
g-BHC (Lindane)	26.6	19.2 ug/kg dry	38.4	BRL	69.3	30-150			
4,4-DDD (p,p')	23.8	19.2 ug/kg dry	38.4	BRL	62.0	30-150			
4,4-DDE (p,p')	25.7	19.2 ug/kg dry	38.4	BRL	66.9	30-150			
4,4-DDT (p,p')	22.6	19.2 ug/kg dry	38.4	BRL	58.9	30-150			
Dieldrin	26.0	19.2 ug/kg dry	38.4	BRL	67.7	30-150			
Endosulfan I	27.3	19.2 ug/kg dry	38.4	BRL	71.1	30-150			
Endosulfan II	22.9	19.2 ug/kg dry	38.4	BRL	59.6	30-150			
Endosulfan Sulfate	24.9	19.2 ug/kg dry	38.4	BRL	64.8	30-150			
Endrin	5.13	19.2 ug/kg dry	38.4	BRL	13.4	30-150			
Endrin Aldehyde	20.2	19.2 ug/kg dry	38.4	BRL	52.6	30-150			QC-1
Heptachlor	22.7	19.2 ug/kg dry	38.4	BRL	59.1	30-150			
Methoxychlor	29.3	19.2 ug/kg dry	38.4	BRL	76.3	30-150			
Heptachlor Epoxide	27.5	19.2 ug/kg dry	38.4	BRL	71.6	30-150			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	33.5	ug/kg dry	38.4		87.2	30-150			
Surrogate: Decachlorobiphenyl (Sr)	37.3	ug/kg dry	38.4		97.1	30-150			
<b>Matrix Spike Dup (5011377-MSD1)</b>									
Source: SA23376-05 Prepared: 28-Jan-05 Analyzed: 01-Feb-05									
Aldrin	26.7	19.2 ug/kg dry	38.4	BRL	69.5	30-150	0.288	30	
a-BHC	27.3	19.2 ug/kg dry	38.4	BRL	71.1	30-150	1.12	30	
b-BHC	25.4	19.2 ug/kg dry	38.4	BRL	66.1	30-150	0.303	30	
d-BHC	22.3	19.2 ug/kg dry	38.4	BRL	58.1	30-150	1.37	30	
g-BHC (Lindane)	26.7	19.2 ug/kg dry	38.4	BRL	69.5	30-150	0.288	30	
4,4-DDD (p,p')	24.0	19.2 ug/kg dry	38.4	BRL	62.5	30-150	0.803	30	

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**Semivolatile Organic Compounds by GC - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011377 - SW846 3550B</b>									
<b>Matrix Spike Dup (5011377-MSD1)</b>		<b>Source: SA23376-05</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 01-Feb-05</b>			
4,4-DDE (p,p')	25.5	19.2 ug/kg dry	38.4	BRL	66.4	30-150	0.750	30	
4,4-DDT (p,p')	24.0	19.2 ug/kg dry	38.4	BRL	62.5	30-150	5.93	30	
Dieldrin	25.9	19.2 ug/kg dry	38.4	BRL	67.4	30-150	0.444	30	
Endosulfan I	27.4	19.2 ug/kg dry	38.4	BRL	71.4	30-150	0.421	30	
Endosulfan II	24.7	19.2 ug/kg dry	38.4	BRL	64.3	30-150	7.59	30	
Endosulfan Sulfate	24.8	19.2 ug/kg dry	38.4	BRL	64.6	30-150	0.309	30	
Endrin	3.76	19.2 ug/kg dry	38.4	BRL	9.79	30-150	31.1	30	QC-1
Endrin Aldehyde	20.4	19.2 ug/kg dry	38.4	BRL	53.1	30-150	0.946	30	
Heptachlor	23.1	19.2 ug/kg dry	38.4	BRL	60.2	30-150	1.84	30	
Methoxychlor	29.5	19.2 ug/kg dry	38.4	BRL	76.8	30-150	0.653	30	
Heptachlor Epoxide	27.5	19.2 ug/kg dry	38.4	BRL	71.6	30-150	0.00	30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	32.0	ug/kg dry	38.4		83.3	30-150			
Surrogate: Decachlorobiphenyl (Sr)	33.3	ug/kg dry	38.4		86.7	30-150			

**Batch 5011380 - SW846 3545A**

<b>Blank (5011380-BLK1)</b>		<b>Prepared: 28-Jan-05 Analyzed: 02-Feb-05</b>							
2,4-D	BRL	6.70 ug/kg wet							
2,4,5-T	BRL	6.70 ug/kg wet							
2,4,5-TP (Silvex)	BRL	6.70 ug/kg wet							
2,4-DB	BRL	6.70 ug/kg wet							
Dalapon	BRL	6.70 ug/kg wet							
Dicamba	BRL	6.70 ug/kg wet							
Dinoseb	BRL	6.70 ug/kg wet							
Dichlorprop	BRL	6.70 ug/kg wet							
MCPB	BRL	670 ug/kg wet							
MCPA	BRL	670 ug/kg wet							
MCPB	BRL	670 ug/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	5.39	ug/kg wet	13.3		40.5	40-140			
<b>Duplicate (5011380-DUP1)</b>		<b>Source: SA23376-06</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
2,4-D	BRL	6.70 ug/kg dry		BRL				30	
2,4,5-T	BRL	6.70 ug/kg dry		BRL				30	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry		BRL				30	
2,4-DB	BRL	6.70 ug/kg dry		BRL				30	
Dalapon	BRL	6.70 ug/kg dry		BRL				30	
Dicamba	BRL	6.70 ug/kg dry		BRL				30	
Dinoseb	BRL	6.70 ug/kg dry		BRL				30	
Dichlorprop	BRL	6.70 ug/kg dry		BRL				30	
MCPB	BRL	670 ug/kg dry		BRL				30	
MCPA	BRL	670 ug/kg dry		BRL				30	
MCPB	BRL	670 ug/kg dry		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	6.46	ug/kg dry	14.7		43.9	40-140			

**Batch 5011467 - SW846 3535**

<b>Blank (5011467-BLK1)</b>		<b>Prepared: 31-Jan-05 Analyzed: 02-Feb-05</b>							
Aldrin	BRL	0.100 ug/l							
PCB 1016	BRL	0.100 ug/l							
PCB 1221	BRL	0.100 ug/l							
a-BHC	BRL	0.100 ug/l							
PCB 1232	BRL	0.100 ug/l							
b-BHC	BRL	0.100 ug/l							
d-BHC	BRL	0.100 ug/l							
PCB 1242	BRL	0.100 ug/l							
g-BHC (Lindane)	BRL	0.100 ug/l							
PCB 1248	BRL	0.100 ug/l							

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### Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011467 - SW846 3535</b>									
<b>Blank (5011467-BLK1)</b>			Prepared: 31-Jan-05 Analyzed: 02-Feb-05						
Chlordane	BRL	0.500 ug/l							
PCB 1254	BRL	0.100 ug/l							
4,4-DDD (p,p')	BRL	0.100 ug/l							
PCB 1260	BRL	0.100 ug/l							
4,4-DDE (p,p')	BRL	0.100 ug/l							
PCB 1262	BRL	0.100 ug/l							
4,4-DDT (p,p')	BRL	0.100 ug/l							
PCB 1268	BRL	0.100 ug/l							
Dieldrin	BRL	0.100 ug/l							
Endosulfan I	BRL	0.100 ug/l							
Endosulfan II	BRL	0.100 ug/l							
Endosulfan Sulfate	BRL	0.100 ug/l							
Endrin	BRL	0.100 ug/l							
Endrin Aldehyde	BRL	0.100 ug/l							
Heptachlor	BRL	0.100 ug/l							
Methoxychlor	BRL	0.100 ug/l							
Heptachlor Epoxide	BRL	0.100 ug/l							
Toxaphene	BRL	0.500 ug/l							
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.113	ug/l	0.200		56.5	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.131	ug/l	0.200		65.5	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.0804	ug/l	0.200		40.2	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.148	ug/l	0.200		74.0	30-150			
<b>Duplicate (5011467-DUP1)</b>			Source: SA23376-15		Prepared: 31-Jan-05 Analyzed: 02-Feb-05				
PCB 1016	BRL	0.222 ug/l		872000				40	
Aldrin	BRL	0.222 ug/l		BRL				30	
a-BHC	BRL	0.222 ug/l		BRL				30	
PCB 1221	BRL	0.222 ug/l		BRL				40	
b-BHC	BRL	0.222 ug/l		BRL				30	
PCB 1232	BRL	0.222 ug/l		BRL				40	
d-BHC	BRL	0.222 ug/l		BRL				30	
PCB 1242	BRL	0.222 ug/l		BRL				40	
PCB 1248	BRL	0.222 ug/l		BRL				40	
g-BHC (Lindane)	BRL	0.222 ug/l		BRL				30	
PCB 1254	BRL	0.222 ug/l		BRL				40	
Chlordane	BRL	1.11 ug/l		BRL				30	
PCB 1260	BRL	0.222 ug/l		BRL				40	
4,4-DDD (p,p')	BRL	0.222 ug/l		BRL				30	
PCB 1262	BRL	0.222 ug/l		BRL				40	
4,4-DDE (p,p')	BRL	0.222 ug/l		BRL				30	
PCB 1268	BRL	0.222 ug/l		BRL				40	
4,4-DDT (p,p')	BRL	0.222 ug/l		BRL				30	
Dieldrin	BRL	0.222 ug/l		BRL				30	
Endosulfan I	BRL	0.222 ug/l		BRL				30	
Endosulfan II	BRL	0.222 ug/l		BRL				30	
Endosulfan Sulfate	BRL	0.222 ug/l		BRL				30	
Endrin	BRL	0.222 ug/l		BRL				30	
Endrin Aldehyde	BRL	0.222 ug/l		BRL				30	
Heptachlor	BRL	0.222 ug/l		BRL				30	
Methoxychlor	BRL	0.222 ug/l		BRL				30	
Heptachlor Epoxide	BRL	0.222 ug/l		BRL				30	
Toxaphene	BRL	1.11 ug/l		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.279	ug/l	0.444		62.8	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.314	ug/l	0.444		70.7	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.224	ug/l	0.444		50.5	30-150			

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011378 - SW846 3535</b>									
<b>Blank (5011378-BLK1)</b>			Prepared: 28-Jan-05 Analyzed: 31-Jan-05						
Acenaphthene	BRL	2.50 ug/l							
Acenaphthylene	BRL	2.50 ug/l							
Anthracene	BRL	2.50 ug/l							
Azobenzene/Diphenyldiazine	BRL	2.50 ug/l							
Benzidine	BRL	2.50 ug/l							
Benzo (a) anthracene	BRL	2.50 ug/l							
Benzo (a) pyrene	BRL	2.50 ug/l							
Benzo (b) fluoranthene	BRL	2.50 ug/l							
Benzo (g,h,i) perylene	BRL	2.50 ug/l							
Benzo (k) fluoranthene	BRL	2.50 ug/l							
Benzoic acid	BRL	2.50 ug/l							
Benzyl alcohol	BRL	2.50 ug/l							
Bis(2-chloroethoxy)methane	BRL	2.50 ug/l							
Bis(2-chloroethyl)ether	BRL	2.50 ug/l							
Bis(2-chloroisopropyl)ether	BRL	2.50 ug/l							
Bis(2-ethylhexyl)phthalate	BRL	2.50 ug/l							
4-Bromophenyl phenyl ether	BRL	2.50 ug/l							
Butyl benzyl phthalate	BRL	2.50 ug/l							
4-Chloroaniline	BRL	2.50 ug/l							
2-Chloronaphthalene	BRL	2.50 ug/l							
4-Chlorophenyl phenyl ether	BRL	2.50 ug/l							
Chrysene	BRL	2.50 ug/l							
Dibenzo (a,h) anthracene	BRL	2.50 ug/l							
Dibenzofuran	BRL	2.50 ug/l							
1,2-Dichlorobenzene	BRL	2.50 ug/l							
1,3-Dichlorobenzene	BRL	2.50 ug/l							
1,4-Dichlorobenzene	BRL	2.50 ug/l							
3,3'-Dichlorobenzidine	BRL	2.50 ug/l							
Diethyl phthalate	BRL	2.50 ug/l							
Dimethyl phthalate	BRL	2.50 ug/l							
Di-n-butyl phthalate	BRL	2.50 ug/l							
2,4-Dinitrotoluene	BRL	2.50 ug/l							
2,6-Dinitrotoluene	BRL	2.50 ug/l							
Di-n-octyl phthalate	BRL	2.50 ug/l							
Fluoranthene	BRL	2.50 ug/l							
Fluorene	BRL	2.50 ug/l							
Hexachlorobenzene	BRL	2.50 ug/l							
Hexachlorobutadiene	BRL	2.50 ug/l							
Hexachlorocyclopentadiene	BRL	2.50 ug/l							
Hexachloroethane	BRL	2.50 ug/l							
Indeno (1,2,3-cd) pyrene	BRL	2.50 ug/l							
Isophorone	BRL	2.50 ug/l							
2-Methylnaphthalene	BRL	2.50 ug/l							
Naphthalene	BRL	2.50 ug/l							
2-Nitroaniline	BRL	2.50 ug/l							
3-Nitroaniline	BRL	2.50 ug/l							
4-Nitroaniline	BRL	2.50 ug/l							
Nitrobenzene	BRL	2.50 ug/l							
N-Nitrosodimethylamine	BRL	2.50 ug/l							
N-Nitrosodiphenylamine	BRL	2.50 ug/l							
Phenanthrene	BRL	2.50 ug/l							
Phenol	BRL	2.50 ug/l							
Pyrene	BRL	2.50 ug/l							
<i>Surrogate: 2-Fluorobiphenyl</i>	69.5	ug/l	100		69.5	30-130			

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011378 - SW846 3535</b>									
<b>Duplicate (5011378-DUP1)</b>		Source: SA23333-01		Prepared: 28-Jan-05		Analyzed: 01-Feb-05			
N-Nitrosodimethylamine	BRL	9.52 ug/l		BRL				50	
N-Nitrosodiphenylamine	BRL	9.52 ug/l		BRL				50	
Phenanthrene	BRL	9.52 ug/l		BRL				50	
Phenol	BRL	9.52 ug/l		BRL				50	
Pyrene	BRL	9.52 ug/l		BRL				50	
Surrogate: 2-Fluorobiphenyl	124	ug/l	190		65.3	30-130			
Surrogate: 2-Fluorophenol	105	ug/l	190		55.3	15-110			
Surrogate: Nitrobenzene-d5	88.3	ug/l	190		46.5	30-130			
Surrogate: Phenol-d5	87.5	ug/l	190		46.1	15-110			
Surrogate: Terphenyl-d14	119	ug/l	190		62.6	30-130			
Surrogate: 2,4,6-Tribromophenol	103	ug/l	190		54.2	15-110			
<b>Batch 5011381 - SW846 3545A</b>									
<b>Blank (5011381-BLK1)</b>		Prepared: 28-Jan-05 Analyzed: 01-Feb-05							
N-Nitrosodimethylamine	BRL	33.4 ug/kg wet							
Bis(2-chloroethyl)ether	BRL	33.4 ug/kg wet							
Phenol	BRL	33.4 ug/kg wet							
1,3-Dichlorobenzene	BRL	33.4 ug/kg wet							
1,4-Dichlorobenzene	BRL	33.4 ug/kg wet							
1,2-Dichlorobenzene	BRL	33.4 ug/kg wet							
Benzyl alcohol	BRL	33.4 ug/kg wet							
Bis(2-chloroisopropyl)ether	BRL	33.4 ug/kg wet							
Hexachloroethane	BRL	33.4 ug/kg wet							
Nitrobenzene	BRL	33.4 ug/kg wet							
Isophorone	BRL	33.4 ug/kg wet							
Bis(2-chloroethoxy)methane	BRL	33.4 ug/kg wet							
Benzoic acid	BRL	33.4 ug/kg wet							
Naphthalene	BRL	33.4 ug/kg wet							
4-Chloroaniline	BRL	33.4 ug/kg wet							
Hexachlorobutadiene	BRL	33.4 ug/kg wet							
2-Methylnaphthalene	BRL	33.4 ug/kg wet							
Hexachlorocyclopentadiene	BRL	33.4 ug/kg wet							
2-Chloronaphthalene	BRL	33.4 ug/kg wet							
2-Nitroaniline	BRL	33.4 ug/kg wet							
Acenaphthylene	BRL	33.4 ug/kg wet							
Dimethyl phthalate	BRL	33.4 ug/kg wet							
2,6-Dinitrotoluene	BRL	33.4 ug/kg wet							
Acenaphthene	BRL	33.4 ug/kg wet							
3-Nitroaniline	BRL	33.4 ug/kg wet							
Dibenzofuran	BRL	33.4 ug/kg wet							
2,4-Dinitrotoluene	BRL	33.4 ug/kg wet							
Fluorene	BRL	33.4 ug/kg wet							
4-Chlorophenyl phenyl ether	BRL	33.4 ug/kg wet							
Diethyl phthalate	BRL	33.4 ug/kg wet							
4-Nitroaniline	BRL	33.4 ug/kg wet							
N-Nitrosodiphenylamine	BRL	33.4 ug/kg wet							
Azobenzene/Diphenyldiazine	BRL	33.4 ug/kg wet							
4-Bromophenyl phenyl ether	BRL	33.4 ug/kg wet							
Hexachlorobenzene	BRL	33.4 ug/kg wet							
Phenanthrene	BRL	33.4 ug/kg wet							
Anthracene	BRL	33.4 ug/kg wet							
Di-n-butyl phthalate	BRL	33.4 ug/kg wet							
Fluoranthene	BRL	33.4 ug/kg wet							
Benzidine	BRL	33.4 ug/kg wet							

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011381 - SW846 3545A</b>									
<b>Duplicate (5011381-DUP1)</b>		<b>Source: SA23376-03</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 01-Feb-05</b>			
Hexachlorobenzene	BRL	148 ug/kg dry		BRL				50	
Phenanthrene	BRL	148 ug/kg dry		BRL				50	
Anthracene	BRL	148 ug/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	148 ug/kg dry		BRL				50	
Fluoranthene	BRL	148 ug/kg dry		BRL				50	
Benzidine	BRL	148 ug/kg dry		BRL				50	
Pyrene	BRL	148 ug/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	148 ug/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	148 ug/kg dry		BRL				50	
Benzo (a) anthracene	BRL	148 ug/kg dry		BRL				50	
Chrysene	BRL	148 ug/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	148 ug/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	148 ug/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	148 ug/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	148 ug/kg dry		BRL				50	
Benzo (a) pyrene	BRL	148 ug/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	148 ug/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	148 ug/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	148 ug/kg dry		BRL				50	
<i>Surrogate: 2-Fluorobiphenyl</i>	4750	ug/kg dry	7410		64.1	30-130			
<i>Surrogate: 2-Fluorophenol</i>	4580	ug/kg dry	7410		61.8	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	3370	ug/kg dry	7410		45.5	30-130			
<i>Surrogate: Phenol-d5</i>	3130	ug/kg dry	7410		42.2	30-130			
<i>Surrogate: Terphenyl-d14</i>	4490	ug/kg dry	7410		60.6	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4220	ug/kg dry	7410		57.0	30-130			
<b>Matrix Spike (5011381-MS1)</b>		<b>Source: SA23376-03</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 01-Feb-05</b>			
Phenol	11000	74.2 ug/kg dry	14800	BRL	74.3	30-130			
1,4-Dichlorobenzene	5340	74.2 ug/kg dry	7410	BRL	72.1	40-140			
Acenaphthene	6130	74.2 ug/kg dry	7410	BRL	82.7	40-140			
2,4-Dinitrotoluene	4930	74.2 ug/kg dry	7410	BRL	66.5	40-140			
Pyrene	5120	74.2 ug/kg dry	7410	BRL	69.1	40-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	6260	ug/kg dry	7410		84.5	30-130			
<i>Surrogate: 2-Fluorophenol</i>	5750	ug/kg dry	7410		77.6	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	5450	ug/kg dry	7410		73.5	30-130			
<i>Surrogate: Phenol-d5</i>	5360	ug/kg dry	7410		72.3	30-130			
<i>Surrogate: Terphenyl-d14</i>	5170	ug/kg dry	7410		69.8	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	6230	ug/kg dry	7410		84.1	30-130			
<b>Matrix Spike Dup (5011381-MSD1)</b>		<b>Source: SA23376-03</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 01-Feb-05</b>			
Phenol	10000	74.2 ug/kg dry	14800	BRL	67.6	30-130	9.44	30	
1,4-Dichlorobenzene	4870	74.2 ug/kg dry	7410	BRL	65.7	40-140	9.29	30	
Acenaphthene	5460	74.2 ug/kg dry	7410	BRL	73.7	40-140	11.5	30	
2,4-Dinitrotoluene	4230	74.2 ug/kg dry	7410	BRL	57.1	40-140	15.2	30	
Pyrene	4560	74.2 ug/kg dry	7410	BRL	61.5	40-140	11.6	30	
<i>Surrogate: 2-Fluorobiphenyl</i>	5630	ug/kg dry	7410		76.0	30-130			
<i>Surrogate: 2-Fluorophenol</i>	5200	ug/kg dry	7410		70.2	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	4830	ug/kg dry	7410		65.2	30-130			
<i>Surrogate: Phenol-d5</i>	4840	ug/kg dry	7410		65.3	30-130			
<i>Surrogate: Terphenyl-d14</i>	4560	ug/kg dry	7410		61.5	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5550	ug/kg dry	7410		74.9	30-130			

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\*Reportable Detection Limit    BRL = Below Reporting Limit

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011476 - SW846 3050B</b>									
<b>Blank (5011476-BLK1)</b> <span style="float:right">Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Lead	BRL	1.50 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Silver	BRL	3.00 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
<b>LCS (5011476-BS1)</b> <span style="float:right">Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Selenium	0.998	0.0300 mg/kg wet	1.00		99.8	85-115			
Lead	1.03	0.0150 mg/kg wet	1.00		103	85-115			
Cadmium	1.04	0.0050 mg/kg wet	1.00		104	85-115			
Silver	1.03	0.0400 mg/kg wet	1.00		103	85-115			
Chromium	1.03	0.0100 mg/kg wet	1.00		103	85-115			
Arsenic	0.984	0.0300 mg/kg wet	1.00		98.4	85-115			
Barium	1.08	0.0100 mg/kg wet	1.00		108	85-115			
<b>Duplicate (5011476-DUP1)</b> <span style="float:right">Source: SA23376-01 Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Lead	85.0	1.88 mg/kg dry		128			40.4	35	QR-05
Selenium	BRL	3.76 mg/kg dry		BRL				35	
Cadmium	1.92	0.627 mg/kg dry		1.80			6.45	35	
Chromium	13.8	1.25 mg/kg dry		11.7			16.5	35	
Silver	BRL	2.51 mg/kg dry		BRL				35	
Arsenic	BRL	12.5 mg/kg dry		9.60			24.7	35	
Barium	90.3	1.25 mg/kg dry		251			94.2	35	QR-05
<b>Duplicate (5011476-DUP2)</b> <span style="float:right">Source: SA23376-12 Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Lead	BRL	1.43 mg/kg dry		1.10			23.3	35	
Selenium	BRL	2.86 mg/kg dry		BRL				35	
Cadmium	1.00	0.477 mg/kg dry		1.08			7.69	35	
Arsenic	BRL	2.86 mg/kg dry		BRL				35	
Silver	BRL	1.91 mg/kg dry		BRL				35	
Chromium	22.9	0.954 mg/kg dry		2.25			164	35	QR-05
Barium	5.11	0.954 mg/kg dry		3.52			36.8	35	QR-05
<b>Matrix Spike (5011476-MS1)</b> <span style="float:right">Source: SA23376-02 Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Selenium	88.8	3.20 mg/kg dry	107	BRL	83.0	75-125			
Lead	210	1.60 mg/kg dry	107	112	91.6	75-125			
Arsenic	97.9	3.20 mg/kg dry	107	9.59	82.5	75-125			
Silver	48.6	2.13 mg/kg dry	53.4	BRL	91.0	75-125			
Cadmium	100	0.534 mg/kg dry	107	2.70	90.9	75-125			
Chromium	110	1.07 mg/kg dry	107	8.74	94.6	75-125			
Barium	184	1.07 mg/kg dry	107	62.6	113	75-125			
<b>Matrix Spike (5011476-MS2)</b> <span style="float:right">Source: SA23376-13 Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Lead	84.1	1.41 mg/kg dry	93.7	4.05	85.4	75-125			
Selenium	83.1	2.81 mg/kg dry	93.7	BRL	88.7	75-125			
Arsenic	82.3	2.81 mg/kg dry	93.7	BRL	87.8	75-125			
Cadmium	84.7	0.469 mg/kg dry	93.7	0.666	89.7	75-125			
Silver	42.0	1.87 mg/kg dry	46.9	BRL	89.6	75-125			
Chromium	87.0	0.937 mg/kg dry	93.7	4.04	88.5	75-125			
Barium	107	0.937 mg/kg dry	93.7	15.8	97.3	75-125			
<b>Matrix Spike Dup (5011476-MSD1)</b> <span style="float:right">Source: SA23376-02 Prepared: 31-Jan-05 Analyzed: 01-Feb-05</span>									
Selenium	86.2	2.96 mg/kg dry	98.8	BRL	87.2	75-125	2.97	35	
Lead	186	1.48 mg/kg dry	98.8	112	74.9	75-125	12.1	35	QM-07
Chromium	101	0.988 mg/kg dry	98.8	8.74	93.4	75-125	8.53	35	
Arsenic	96.3	2.96 mg/kg dry	98.8	9.59	87.8	75-125	1.65	35	

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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	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011385 - SW846 1312</b>									
<b>Blank (5011385-BLK1)</b>			Prepared & Analyzed: 27-Jan-05						
SPLP Extraction	Completed	N/A							
<b>Batch 5011390 - SW846 3010A</b>									
<b>Blank (5011390-BLK1)</b>			Prepared: 28-Jan-05 Analyzed: 31-Jan-05						
Lead	BRL	0.0075 mg/l							
Selenium	BRL	0.0150 mg/l							
Chromium	BRL	0.0050 mg/l							
Cadmium	BRL	0.0025 mg/l							
Arsenic	BRL	0.0150 mg/l							
Silver	BRL	0.0100 mg/l							
Barium	BRL	0.0400 mg/l							
<b>LCS (5011390-BS1)</b>			Prepared: 28-Jan-05 Analyzed: 31-Jan-05						
Lead	0.880	0.0075 mg/l	1.00		88.0	85-115			
Selenium	0.927	0.0150 mg/l	1.00		92.7	85-115			
Chromium	0.905	0.0050 mg/l	1.00		90.5	85-115			
Cadmium	0.874	0.0025 mg/l	1.00		87.4	85-115			
Arsenic	0.916	0.0150 mg/l	1.00		91.6	85-115			
Silver	0.462	0.0100 mg/l	0.500		92.4	85-115			
Barium	0.870	0.0400 mg/l	1.00		87.0	85-115			
<b>LCS Dup (5011390-BSD1)</b>			Prepared: 28-Jan-05 Analyzed: 31-Jan-05						
Selenium	0.944	0.0150 mg/l	1.00		94.4	85-115	1.82	20	
Lead	0.901	0.0075 mg/l	1.00		90.1	85-115	2.36	20	
Cadmium	0.898	0.0025 mg/l	1.00		89.8	85-115	2.71	20	
Silver	0.466	0.0100 mg/l	0.500		93.2	85-115	0.862	20	
Chromium	0.920	0.0050 mg/l	1.00		92.0	85-115	1.64	20	
Arsenic	0.938	0.0150 mg/l	1.00		93.8	85-115	2.37	20	
Barium	0.889	0.0400 mg/l	1.00		88.9	85-115	2.16	20	
<b>Duplicate (5011390-DUP1)</b>			Source: SA22809-08		Prepared: 28-Jan-05 Analyzed: 31-Jan-05				
Lead	BRL	0.0075 mg/l		BRL					20
Selenium	BRL	0.0150 mg/l		0.0074					20
Silver	BRL	0.0100 mg/l		BRL					20
Arsenic	BRL	0.0150 mg/l		BRL					20
Cadmium	BRL	0.0025 mg/l		BRL					20
Chromium	BRL	0.0050 mg/l		0.0036					20
Barium	BRL	0.0400 mg/l		0.0228			17.7		20
<b>Duplicate (5011390-DUP2)</b>			Source: SA23376-02		Prepared: 28-Jan-05 Analyzed: 31-Jan-05				
Lead	0.0204	0.0075 mg/l		0.0224			9.35		20
Selenium	BRL	0.0150 mg/l		BRL					20
Arsenic	BRL	0.0150 mg/l		BRL					20
Silver	BRL	0.0100 mg/l		BRL					20
Cadmium	BRL	0.0025 mg/l		BRL					20
Chromium	BRL	0.0050 mg/l		BRL					20
Barium	BRL	0.0400 mg/l		0.0338			17.4		20
<b>Matrix Spike (5011390-MS1)</b>			Source: SA22809-09		Prepared: 28-Jan-05 Analyzed: 31-Jan-05				
Selenium	0.104	0.0150 mg/l	0.100	BRL	104	75-125			
Lead	0.0879	0.0075 mg/l	0.100	BRL	87.9	75-125			
Arsenic	0.0918	0.0150 mg/l	0.100	BRL	91.8	75-125			
Silver	0.0464	0.0100 mg/l	0.0500	BRL	92.8	75-125			
Cadmium	0.0880	0.0025 mg/l	0.100	BRL	88.0	75-125			
Chromium	0.0909	0.0050 mg/l	0.100	BRL	90.9	75-125			
Barium	0.104	0.0400 mg/l	0.100	0.0172	86.8	75-125			
<b>Matrix Spike (5011390-MS2)</b>			Source: SA23376-10		Prepared: 28-Jan-05 Analyzed: 31-Jan-05				

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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	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011390 - SW846 3010A</b>									
<b>Matrix Spike (5011390-MS2)</b>		<b>Source: SA23376-10</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 31-Jan-05</b>			
Lead	0.0910	0.0075 mg/l	0.100	0.0090	82.0	75-125			
Selenium	0.0873	0.0150 mg/l	0.100	0.0075	79.8	75-125			
Cadmium	0.0846	0.0025 mg/l	0.100	BRL	84.6	75-125			
Arsenic	0.0928	0.0150 mg/l	0.100	BRL	92.8	75-125			
Silver	0.0692	0.0100 mg/l	0.0500	0.0164	106	75-125			
Chromium	0.0868	0.0050 mg/l	0.100	BRL	86.8	75-125			
Barium	0.0972	0.0400 mg/l	0.100	0.0144	82.8	75-125			
<b>Matrix Spike Dup (5011390-MSD1)</b>		<b>Source: SA22809-09</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 31-Jan-05</b>			
Lead	0.0884	0.0075 mg/l	0.100	BRL	88.4	75-125	0.567	20	
Selenium	0.108	0.0150 mg/l	0.100	BRL	108	75-125	3.77	20	
Silver	0.0474	0.0100 mg/l	0.0500	BRL	94.8	75-125	2.13	20	
Arsenic	0.0921	0.0150 mg/l	0.100	BRL	92.1	75-125	0.326	20	
Cadmium	0.0887	0.0025 mg/l	0.100	BRL	88.7	75-125	0.792	20	
Chromium	0.0922	0.0050 mg/l	0.100	BRL	92.2	75-125	1.42	20	
Barium	0.106	0.0400 mg/l	0.100	0.0172	88.8	75-125	1.90	20	
<b>Matrix Spike Dup (5011390-MSD2)</b>		<b>Source: SA23376-10</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 31-Jan-05</b>			
Selenium	0.0996	0.0150 mg/l	0.100	0.0075	92.1	75-125	13.2	20	
Lead	0.0947	0.0075 mg/l	0.100	0.0090	85.7	75-125	3.98	20	
Chromium	0.0876	0.0050 mg/l	0.100	BRL	87.6	75-125	0.917	20	
Cadmium	0.0845	0.0025 mg/l	0.100	BRL	84.5	75-125	0.118	20	
Arsenic	0.0865	0.0150 mg/l	0.100	BRL	86.5	75-125	7.03	20	
Silver	0.0453	0.0100 mg/l	0.0500	0.0164	57.8	75-125	41.7	20	QM-07
Barium	0.0992	0.0400 mg/l	0.100	0.0144	84.8	75-125	2.04	20	
<b>Batch 5011391 - EPA200/SW7000 Series</b>									
<b>Blank (5011391-BLK1)</b>				<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	BRL	0.00040 mg/l							
<b>LCS (5011391-BS1)</b>				<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	0.00536	0.00040 mg/l	0.00500		107	80-120			
<b>Duplicate (5011391-DUP1)</b>		<b>Source: SA23376-02</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	BRL	0.00040 mg/l		BRL					35
<b>Duplicate (5011391-DUP2)</b>		<b>Source: SA23376-11</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	BRL	0.00040 mg/l		BRL					35
<b>Matrix Spike (5011391-MS1)</b>		<b>Source: SA23376-01</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	0.00513	0.00040 mg/l	0.00500	BRL	103	75-125			
<b>Matrix Spike (5011391-MS2)</b>		<b>Source: SA23376-10</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	0.00495	0.00040 mg/l	0.00500	BRL	99.0	75-125			
<b>Matrix Spike Dup (5011391-MSD1)</b>		<b>Source: SA23376-01</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	0.00500	0.00040 mg/l	0.00500	BRL	100	75-125	2.57	35	
<b>Matrix Spike Dup (5011391-MSD2)</b>		<b>Source: SA23376-10</b>		<b>Prepared: 28-Jan-05</b>		<b>Analyzed: 02-Feb-05</b>			
Mercury	0.00508	0.00040 mg/l	0.00500	BRL	102	75-125	2.59	35	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

**General Chemistry Parameters - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
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**Batch 5011333 - General Preparation**

<b>Duplicate (5011333-DUP1)</b>		<b>Source: SA23376-12</b>		<b>Prepared: 27-Jan-05 Analyzed: 28-Jan-05</b>					
% Solids	98.4	%		98.4			0.00	20	

**Batch 5011334 - General Preparation**

<b>Duplicate (5011334-DUP1)</b>		<b>Source: SA23380-19</b>		<b>Prepared: 27-Jan-05 Analyzed: 28-Jan-05</b>					
% Solids	74.3	%		74.0			0.405	20	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

## Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-05	RPD out of acceptance range.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field 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.
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

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

### 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.  
Nicole Brown



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

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: New Haven Rail Yard Interim Shop-CT	New Haven Rail Yard Interim Shop-CT/ 301-81
This Form Provides certifications for the following data set: SA23376-01 SA23376-11 SA23376-02 SA23376-12 SA23376-03 SA23376-13 SA23376-04 SA23376-14 SA23376-05 SA23376-15 SA23376-06 SA23376-16 SA23376-07 SA23376-08 SA23376-09 SA23376-10	List Specific Analytical Methods Used: +CT ETPH EPA 245.2/7470A SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8081A SW846 8082 SW846 8151A SW846 8260B SW846 8270C VOC
Sample Matrices: Aqueous Soil/Sediment	

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

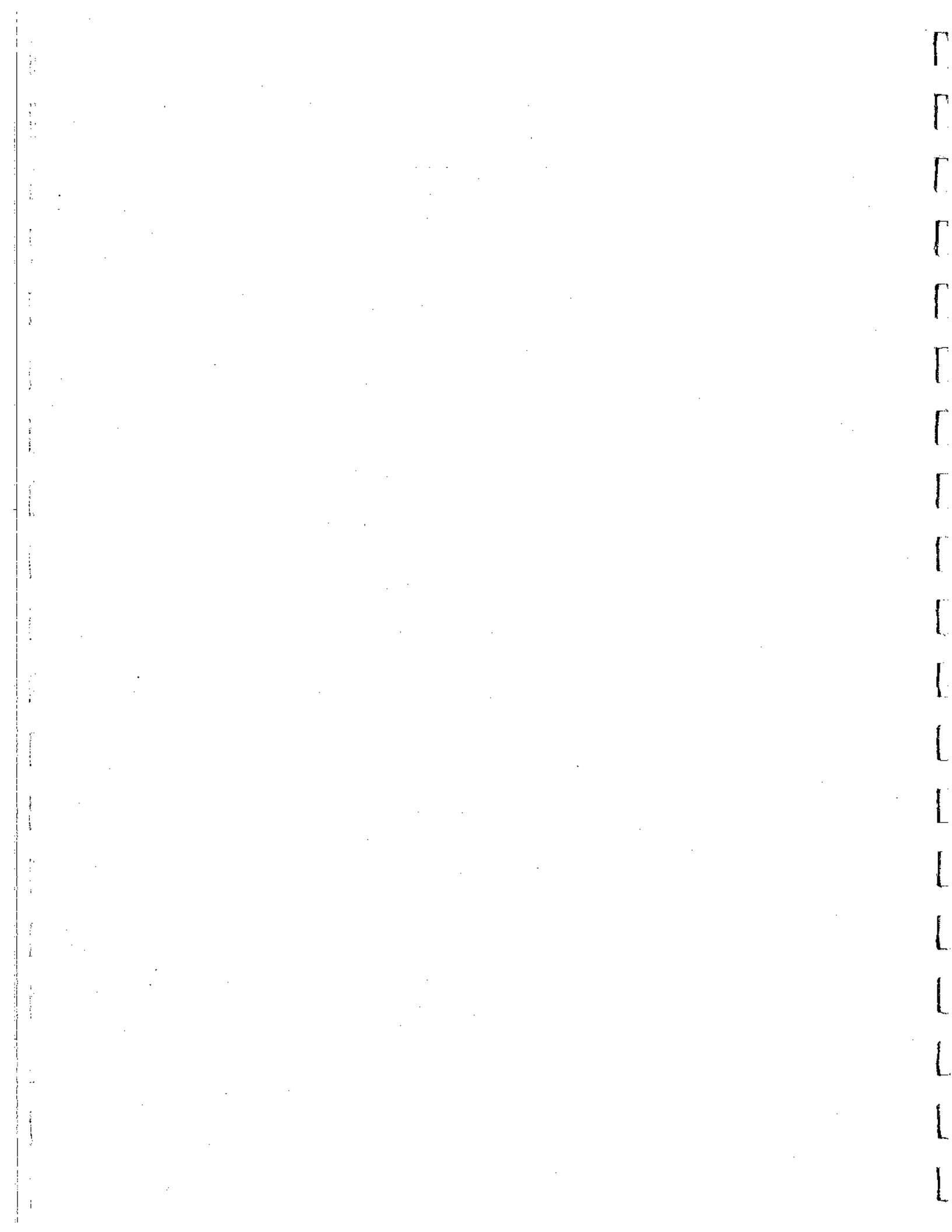
*I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.*

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

Date: 2/3/2005

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\*Reportable Detection Limit    BRL = Below Reporting Limit



**Sample Identification**

FB-2  
SA23419-17

**Client Project #**

301-81

**Matrix**

Blank Water

**Collection Date/Time**

26-Jan-05 00:00

**Received**

27-Jan-05

Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GCMS</b>									
<i>Base Neutrals by SW846 8270C</i>		Prepared by method SW846 3535							
Benzidine	BRL	5.56 ug/l	1	SW846 8270C	01-Feb-05	03-Feb-05	5020004	M.B	
Benzo (a) anthracene	BRL	5.56 ug/l	1	"	"	"	"	"	
Benzo (a) pyrene	BRL	5.56 ug/l	1	"	"	"	"	"	
Benzo (b) fluoranthene	BRL	5.56 ug/l	1	"	"	"	"	"	
Benzo (g,h,i) perylene	BRL	5.56 ug/l	1	"	"	"	"	"	
Benzo (k) fluoranthene	BRL	5.56 ug/l	1	"	"	"	"	"	
Benzoic acid	BRL	5.56 ug/l	1	"	"	"	"	"	
Benzyl alcohol	BRL	5.56 ug/l	1	"	"	"	"	"	
Bis(2-chloroethoxy)methane	BRL	5.56 ug/l	1	"	"	"	"	"	
Bis(2-chloroethyl)ether	BRL	5.56 ug/l	1	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	BRL	5.56 ug/l	1	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	BRL	5.56 ug/l	1	"	"	"	"	"	
4-Bromophenyl phenyl ether	BRL	5.56 ug/l	1	"	"	"	"	"	
Butyl benzyl phthalate	BRL	5.56 ug/l	1	"	"	"	"	"	
4-Chloroaniline	BRL	5.56 ug/l	1	"	"	"	"	"	
2-Chloronaphthalene	BRL	5.56 ug/l	1	"	"	"	"	"	
4-Chlorophenyl phenyl ether	BRL	5.56 ug/l	1	"	"	"	"	"	
Chrysene	BRL	5.56 ug/l	1	"	"	"	"	"	
Dibenzo (a,h) anthracene	BRL	5.56 ug/l	1	"	"	"	"	"	
Dibenzofuran	BRL	5.56 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	5.56 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	5.56 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	5.56 ug/l	1	"	"	"	"	"	
3,3'-Dichlorobenzidine	BRL	5.56 ug/l	1	"	"	"	"	"	
Diethyl phthalate	BRL	5.56 ug/l	1	"	"	"	"	"	
Dimethyl phthalate	BRL	5.56 ug/l	1	"	"	"	"	"	
Di-n-butyl phthalate	BRL	5.56 ug/l	1	"	"	"	"	"	
2,4-Dinitrotoluene	BRL	5.56 ug/l	1	"	"	"	"	"	
2,6-Dinitrotoluene	BRL	5.56 ug/l	1	"	"	"	"	"	
Di-n-octyl phthalate	BRL	5.56 ug/l	1	"	"	"	"	"	
Fluoranthene	BRL	5.56 ug/l	1	"	"	"	"	"	
Fluorene	BRL	5.56 ug/l	1	"	"	"	"	"	
Hexachlorobenzene	BRL	5.56 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	5.56 ug/l	1	"	"	"	"	"	
Hexachlorocyclopentadiene	BRL	5.56 ug/l	1	"	"	"	"	"	
Hexachloroethane	BRL	5.56 ug/l	1	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	BRL	5.56 ug/l	1	"	"	"	"	"	
Isophorone	BRL	5.56 ug/l	1	"	"	"	"	"	
2-Methylnaphthalene	BRL	5.56 ug/l	1	"	"	"	"	"	
Naphthalene	BRL	5.56 ug/l	1	"	"	"	"	"	
2-Nitroaniline	BRL	5.56 ug/l	1	"	"	"	"	"	
3-Nitroaniline	BRL	5.56 ug/l	1	"	"	"	"	"	
4-Nitroaniline	BRL	5.56 ug/l	1	"	"	"	"	"	
Nitrobenzene	BRL	5.56 ug/l	1	"	"	"	"	"	
N-Nitrosodimethylamine	BRL	5.56 ug/l	1	"	"	"	"	"	
N-Nitrosodiphenylamine	BRL	5.56 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

Sample IdentificationFB-2  
SA23419-17Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3535							
Phenanthrene	BRL	5.56 ug/l	1	SW846 8270C	01-Feb-05	03-Feb-05	5020004	M.B	
Phenol	BRL	5.56 ug/l	1	"	"	"	"	"	"
Pyrene	BRL	5.56 ug/l	1	"	"	"	"	"	"
<i>Surrogate: 2-Fluorobiphenyl</i>	74.6	30-130 %		"	"	"	"	"	"
<i>Surrogate: 2-Fluorophenol</i>	85.1	15-110 %		"	"	"	"	"	"
<i>Surrogate: Nitrobenzene-d5</i>	64.0	30-130 %		"	"	"	"	"	"
<i>Surrogate: Phenol-d5</i>	79.4	15-110 %		"	"	"	"	"	"
<i>Surrogate: Terphenyl-dl4</i>	66.3	30-130 %		"	"	"	"	"	"
<i>Surrogate: 2,4,6-Tribromophenol</i>	61.5	15-110 %		"	"	"	"	"	"
<b>Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B</b>									
Silver	BRL	0.0050 mg/l	1	SW846 6010B	01-Feb-05	01-Feb-05	5020022	HB	
Arsenic	BRL	0.0040 mg/l	1	"	"	"	"	"	"
Barium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Cadmium	BRL	0.0012 mg/l	1	"	"	"	"	"	"
Chromium	BRL	0.0025 mg/l	1	"	"	"	"	"	"
Lead	BRL	0.0038 mg/l	1	"	"	"	"	"	"
Selenium	BRL	0.0075 mg/l	1	"	"	"	"	"	"
<b>Total Metals by EPA 200 Series Methods</b>									
Mercury	BRL	0.00020 mg/l	1	EPA 245.2/7470A	01-Feb-05	02-Feb-05	5020023	YP	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationTB-2  
SA23419-18Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i>									
Prepared by method Volatiles									
Acetone	BRL	20.0 ug/l	1	SW846 8260B	31-Jan-05	31-Jan-05	5011488	RLJ	
Acrylonitrile	BRL	1.0 ug/l	1	"	"	"	"	"	
Benzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromodichloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromoform	BRL	1.0 ug/l	1	"	"	"	"	"	
Bromomethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Butanone (MEK)	BRL	10.0 ug/l	1	"	"	"	"	"	
n-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
sec-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
tert-Butylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Carbon disulfide	BRL	5.0 ug/l	1	"	"	"	"	"	
Carbon tetrachloride	BRL	1.0 ug/l	1	"	"	"	"	"	
Chlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloroethane	BRL	2.0 ug/l	1	"	"	"	"	"	
Chloroform	BRL	1.0 ug/l	1	"	"	"	"	"	
Chloromethane	BRL	2.0 ug/l	1	"	"	"	"	"	
2-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Chlorotoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l	1	"	"	"	"	"	
Dibromochloromethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l	1	"	"	"	"	"	
Dibromomethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,4-Dichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,2-Dichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
2,2-Dichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
cis-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
trans-1,3-Dichloropropene	BRL	1.0 ug/l	1	"	"	"	"	"	
Ethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Hexachlorobutadiene	BRL	1.0 ug/l	1	"	"	"	"	"	
2-Hexanone (MBK)	BRL	10.0 ug/l	1	"	"	"	"	"	
Isopropylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Isopropyltoluene	BRL	1.0 ug/l	1	"	"	"	"	"	
Methyl tert-butyl ether	BRL	1.0 ug/l	1	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l	1	"	"	"	"	"	

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationTB-2  
SA23419-18Client Project #

301-81

Matrix

Blank Water

Collection Date/Time

26-Jan-05 00:00

Received

27-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<i>Volatile Organic Compounds by SW846 8260B</i>				Prepared by method Volatiles					
Methylene chloride	BRL	10.0 ug/l	1	SW846 8260B	31-Jan-05	31-Jan-05	5011488	RLJ	
Naphthalene	BRL	1.0 ug/l	1	"	"	"	"	"	
n-Propylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Styrene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Tetrachloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Toluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Vinyl chloride	BRL	1.0 ug/l	1	"	"	"	"	"	
m,p-Xylene	BRL	2.0 ug/l	1	"	"	"	"	"	
o-Xylene	BRL	1.0 ug/l	1	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.4</i>	<i>70-130 %</i>		"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.6</i>	<i>70-130 %</i>		"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>89.6</i>	<i>70-130 %</i>		"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>99.0</i>	<i>70-130 %</i>		"	"	"	"	"	

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011488 - Volatiles</b>			Prepared & Analyzed: 31-Jan-05					
<b>Blank (5011488-BLK1)</b>								
Acetone	BRL	20.0 ug/l						
Acrylonitrile	BRL	1.0 ug/l						
Benzene	BRL	1.0 ug/l						
Bromobenzene	BRL	1.0 ug/l						
Bromochloromethane	BRL	1.0 ug/l						
Bromodichloromethane	BRL	1.0 ug/l						
Bromoform	BRL	1.0 ug/l						
Bromomethane	BRL	2.0 ug/l						
2-Butanone (MEK)	BRL	10.0 ug/l						
n-Butylbenzene	BRL	1.0 ug/l						
sec-Butylbenzene	BRL	1.0 ug/l						
tert-Butylbenzene	BRL	1.0 ug/l						
Carbon disulfide	BRL	5.0 ug/l						
Carbon tetrachloride	BRL	1.0 ug/l						
Chlorobenzene	BRL	1.0 ug/l						
Chloroethane	BRL	2.0 ug/l						
Chloroform	BRL	1.0 ug/l						
Chloromethane	BRL	2.0 ug/l						
2-Chlorotoluene	BRL	1.0 ug/l						
4-Chlorotoluene	BRL	1.0 ug/l						
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l						
Dibromochloromethane	BRL	1.0 ug/l						
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l						
Dibromomethane	BRL	1.0 ug/l						
1,2-Dichlorobenzene	BRL	1.0 ug/l						
1,3-Dichlorobenzene	BRL	1.0 ug/l						
1,4-Dichlorobenzene	BRL	1.0 ug/l						
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l						
1,1-Dichloroethane	BRL	1.0 ug/l						
1,2-Dichloroethane	BRL	1.0 ug/l						
1,1-Dichloroethene	BRL	1.0 ug/l						
cis-1,2-Dichloroethene	BRL	1.0 ug/l						
trans-1,2-Dichloroethene	BRL	1.0 ug/l						
1,2-Dichloropropane	BRL	1.0 ug/l						
1,3-Dichloropropane	BRL	1.0 ug/l						
2,2-Dichloropropane	BRL	1.0 ug/l						
1,1-Dichloropropene	BRL	1.0 ug/l						
cis-1,3-Dichloropropene	BRL	1.0 ug/l						
trans-1,3-Dichloropropene	BRL	1.0 ug/l						
Ethylbenzene	BRL	1.0 ug/l						
Hexachlorobutadiene	BRL	1.0 ug/l						
2-Hexanone (MBK)	BRL	10.0 ug/l						
Isopropylbenzene	BRL	1.0 ug/l						
4-Isopropyltoluene	BRL	1.0 ug/l						
Methyl tert-butyl ether	BRL	1.0 ug/l						
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l						
Methylene chloride	BRL	10.0 ug/l						
Naphthalene	BRL	1.0 ug/l						
n-Propylbenzene	BRL	1.0 ug/l						
Styrene	BRL	1.0 ug/l						
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l						
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l						
Tetrachloroethene	BRL	1.0 ug/l						
Toluene	BRL	1.0 ug/l						

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\*Reportable Detection Limit    BRL = Below Reporting Limit

## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011488 - Volatiles</b>									
<b>Blank (5011488-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
1,2,3-Trichlorobenzene	BRL	1.0 ug/l							
1,2,4-Trichlorobenzene	BRL	1.0 ug/l							
1,1,1-Trichloroethane	BRL	1.0 ug/l							
1,1,2-Trichloroethane	BRL	1.0 ug/l							
Trichloroethene	BRL	1.0 ug/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l							
1,2,3-Trichloropropane	BRL	1.0 ug/l							
1,2,4-Trimethylbenzene	BRL	1.0 ug/l							
1,3,5-Trimethylbenzene	BRL	1.0 ug/l							
Vinyl chloride	BRL	1.0 ug/l							
m,p-Xylene	BRL	2.0 ug/l							
o-Xylene	BRL	1.0 ug/l							
<i>Surrogate: 4-Bromofluorobenzene</i>	45.0	ug/l	50.0		90.0	70-130			
<i>Surrogate: Toluene-d8</i>	49.2	ug/l	50.0		98.4	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	43.7	ug/l	50.0		87.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	49.2	ug/l	50.0		98.4	70-130			
<b>Matrix Spike (5011488-MS1)</b>			Source: SA23451-01		Prepared & Analyzed: 31-Jan-05				
Benzene	20.5	ug/l	20.0	BRL	102	70-130			
Chlorobenzene	20.0	ug/l	20.0	BRL	100	70-130			
1,1-Dichloroethene	19.5	ug/l	20.0	BRL	97.5	70-130			
Toluene	20.3	ug/l	20.0	BRL	102	70-130			
Trichloroethene	19.8	ug/l	20.0	BRL	99.0	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	47.4	ug/l	50.0		94.8	70-130			
<i>Surrogate: Toluene-d8</i>	50.2	ug/l	50.0		100	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	46.2	ug/l	50.0		92.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	51.2	ug/l	50.0		102	70-130			
<b>Matrix Spike Dup (5011488-MSD1)</b>			Source: SA23451-01		Prepared & Analyzed: 31-Jan-05				
Benzene	21.2	ug/l	20.0	BRL	106	70-130	3.85	30	
Chlorobenzene	20.6	ug/l	20.0	BRL	103	70-130	2.96	30	
1,1-Dichloroethene	21.1	ug/l	20.0	BRL	106	70-130	8.35	30	
Toluene	20.8	ug/l	20.0	BRL	104	70-130	1.94	30	
Trichloroethene	20.1	ug/l	20.0	BRL	100	70-130	1.01	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	46.0	ug/l	50.0		92.0	70-130			
<i>Surrogate: Toluene-d8</i>	49.6	ug/l	50.0		99.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	44.7	ug/l	50.0		89.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	49.5	ug/l	50.0		99.0	70-130			
<b>Batch 5011506 - SW846 5035A Soil (low level)</b>									
<b>Blank (5011506-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
Acetone	BRL	100 ug/kg wet							
Acrylonitrile	BRL	5.0 ug/kg wet							
Benzene	BRL	5.0 ug/kg wet							
Bromobenzene	BRL	5.0 ug/kg wet							
Bromochloromethane	BRL	5.0 ug/kg wet							
Bromodichloromethane	BRL	5.0 ug/kg wet							
Bromoform	BRL	5.0 ug/kg wet							
Bromomethane	BRL	10.0 ug/kg wet							
2-Butanone (MEK)	BRL	50.0 ug/kg wet							
n-Butylbenzene	BRL	5.0 ug/kg wet							
sec-Butylbenzene	BRL	5.0 ug/kg wet							
tert-Butylbenzene	BRL	5.0 ug/kg wet							
Carbon disulfide	BRL	25.0 ug/kg wet							
Carbon tetrachloride	BRL	5.0 ug/kg wet							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011506 - SW846 5035A Soil (low level)</b>									
<b>Blank (5011506-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
Chlorobenzene	BRL	5.0 ug/kg wet							
Chloroethane	BRL	10.0 ug/kg wet							
Chloroform	BRL	5.0 ug/kg wet							
Chloromethane	BRL	10.0 ug/kg wet							
2-Chlorotoluene	BRL	5.0 ug/kg wet							
4-Chlorotoluene	BRL	5.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0 ug/kg wet							
Dibromochloromethane	BRL	5.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0 ug/kg wet							
Dibromomethane	BRL	5.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	5.0 ug/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0 ug/kg wet							
1,1-Dichloroethane	BRL	5.0 ug/kg wet							
1,2-Dichloroethane	BRL	5.0 ug/kg wet							
1,1-Dichloroethene	BRL	5.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
1,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,3-Dichloropropane	BRL	5.0 ug/kg wet							
2,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,1-Dichloropropene	BRL	5.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
Ethylbenzene	BRL	5.0 ug/kg wet							
Hexachlorobutadiene	BRL	5.0 ug/kg wet							
2-Hexanone (MBK)	BRL	50.0 ug/kg wet							
Isopropylbenzene	BRL	5.0 ug/kg wet							
4-Isopropyltoluene	BRL	5.0 ug/kg wet							
Methyl tert-butyl ether	BRL	5.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0 ug/kg wet							
Methylene chloride	BRL	50.0 ug/kg wet							
Naphthalene	BRL	5.0 ug/kg wet							
n-Propylbenzene	BRL	5.0 ug/kg wet							
Styrene	BRL	5.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
Tetrachloroethene	BRL	5.0 ug/kg wet							
Toluene	BRL	5.0 ug/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0 ug/kg wet							
Trichloroethene	BRL	5.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0 ug/kg wet							
Vinyl chloride	BRL	5.0 ug/kg wet							
m,p-Xylene	BRL	10.0 ug/kg wet							
o-Xylene	BRL	5.0 ug/kg wet							
Surrogate: 4-Bromofluorobenzene	48.0	ug/kg wet	50.0		96.0	70-130			
Surrogate: Toluene-d8	47.7	ug/kg wet	50.0		95.4	70-130			

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011506 - SW846 5035A Soil (low level)</b>									
<b>Blank (5011506-BLK1)</b>			Prepared & Analyzed: 31-Jan-05						
Surrogate: 1,2-Dichloroethane-d4	48.0	ug/kg wet	50.0		96.0	70-130			
Surrogate: Dibromofluoromethane	45.5	ug/kg wet	50.0		91.0	70-130			
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>Blank (5020035-BLK1)</b>			Prepared & Analyzed: 01-Feb-05						
Acetone	BRL	20.0 ug/kg wet							
Acrylonitrile	BRL	1.0 ug/kg wet							
Benzene	BRL	1.0 ug/kg wet							
Bromobenzene	BRL	1.0 ug/kg wet							
Bromochloromethane	BRL	1.0 ug/kg wet							
Bromodichloromethane	BRL	1.0 ug/kg wet							
Bromoform	BRL	1.0 ug/kg wet							
Bromomethane	BRL	2.0 ug/kg wet							
2-Butanone (MEK)	BRL	10.0 ug/kg wet							
n-Butylbenzene	BRL	1.0 ug/kg wet							
sec-Butylbenzene	BRL	1.0 ug/kg wet							
tert-Butylbenzene	BRL	1.0 ug/kg wet							
Carbon disulfide	BRL	5.0 ug/kg wet							
Carbon tetrachloride	BRL	1.0 ug/kg wet							
Chlorobenzene	BRL	1.0 ug/kg wet							
Chloroethane	BRL	2.0 ug/kg wet							
Chloroform	BRL	1.0 ug/kg wet							
Chloromethane	BRL	2.0 ug/kg wet							
2-Chlorotoluene	BRL	1.0 ug/kg wet							
4-Chlorotoluene	BRL	1.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/kg wet							
Dibromochloromethane	BRL	1.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0 ug/kg wet							
Dibromomethane	BRL	1.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	1.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	1.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	1.0 ug/kg wet							
Dichlorodifluoromethane (Freon 12)	BRL	2.0 ug/kg wet							
1,1-Dichloroethane	BRL	1.0 ug/kg wet							
1,2-Dichloroethane	BRL	1.0 ug/kg wet							
1,1-Dichloroethene	BRL	1.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	1.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	1.0 ug/kg wet							
1,2-Dichloropropane	BRL	1.0 ug/kg wet							
1,3-Dichloropropane	BRL	1.0 ug/kg wet							
2,2-Dichloropropane	BRL	1.0 ug/kg wet							
1,1-Dichloropropene	BRL	1.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	1.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	1.0 ug/kg wet							
Ethylbenzene	BRL	1.0 ug/kg wet							
Hexachlorobutadiene	BRL	1.0 ug/kg wet							
2-Hexanone (MBK)	BRL	10.0 ug/kg wet							
Isopropylbenzene	BRL	1.0 ug/kg wet							
4-Isopropyltoluene	BRL	1.0 ug/kg wet							
Methyl tert-butyl ether	BRL	1.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/kg wet							
Methylene chloride	BRL	10.0 ug/kg wet							
Naphthalene	BRL	1.0 ug/kg wet							
n-Propylbenzene	BRL	1.0 ug/kg wet							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>Blank (5020035-BLK1)</b>			Prepared & Analyzed: 01-Feb-05						
Styrene	BRL	1.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/kg wet							
Tetrachloroethene	BRL	1.0 ug/kg wet							
Toluene	BRL	1.0 ug/kg wet							
1,2,3-Trichlorobenzene	BRL	1.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	1.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	1.0 ug/kg wet							
Trichloroethene	BRL	1.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	1.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0 ug/kg wet							
Vinyl chloride	BRL	1.0 ug/kg wet							
m,p-Xylene	BRL	2.0 ug/kg wet							
o-Xylene	BRL	1.0 ug/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	50.8	ug/kg wet	50.0		102	70-130			
<i>Surrogate: Toluene-d8</i>	48.4	ug/kg wet	50.0		96.8	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	45.3	ug/kg wet	50.0		90.6	70-130			
<i>Surrogate: Dibromofluoromethane</i>	47.5	ug/kg wet	50.0		95.0	70-130			
<b>Matrix Spike (5020035-MS1)</b>			Source: SA23477-03		Prepared & Analyzed: 01-Feb-05				
Benzene	21.6	ug/kg dry	20.0	BRL	108	70-130			
Chlorobenzene	24.4	ug/kg dry	20.0	BRL	122	70-130			
1,1-Dichloroethene	28.4	ug/kg dry	20.0	BRL	142	70-130			QM-07
Toluene	22.8	ug/kg dry	20.0	BRL	114	70-130			
Trichloroethene	22.6	ug/kg dry	20.0	BRL	113	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	53.7	ug/kg dry	50.0		107	70-130			
<i>Surrogate: Toluene-d8</i>	48.6	ug/kg dry	50.0		97.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	47.3	ug/kg dry	50.0		94.6	70-130			
<i>Surrogate: Dibromofluoromethane</i>	48.4	ug/kg dry	50.0		96.8	70-130			
<b>Matrix Spike Dup (5020035-MSD1)</b>			Source: SA23477-03		Prepared & Analyzed: 01-Feb-05				
Benzene	20.4	ug/kg dry	20.0	BRL	102	70-130	5.71	30	
Chlorobenzene	23.1	ug/kg dry	20.0	BRL	116	70-130	5.04	30	
1,1-Dichloroethene	27.1	ug/kg dry	20.0	BRL	136	70-130	4.32	30	QM-07
Toluene	21.2	ug/kg dry	20.0	BRL	106	70-130	7.27	30	
Trichloroethene	21.7	ug/kg dry	20.0	BRL	108	70-130	4.52	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	52.7	ug/kg dry	50.0		105	70-130			
<i>Surrogate: Toluene-d8</i>	48.6	ug/kg dry	50.0		97.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	46.7	ug/kg dry	50.0		93.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	47.1	ug/kg dry	50.0		94.2	70-130			

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## Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011469 - SW846 3545A</b>									
Prepared: 31-Jan-05 Analyzed: 02-Feb-05									
<b>Blank (5011469-BLK1)</b>									
Gasoline	BRL	13.3 mg/kg wet							
Fuel Oil #2	BRL	13.3 mg/kg wet							
Fuel Oil #4	BRL	13.3 mg/kg wet							
Fuel Oil #6	BRL	13.3 mg/kg wet							
Motor Oil	BRL	13.3 mg/kg wet							
Aviation Fuel	BRL	13.3 mg/kg wet							
Unidentified	BRL	13.3 mg/kg wet							
Other Oil	BRL	13.3 mg/kg wet							
Total Petroleum Hydrocarbons	BRL	13.3 mg/kg wet							
C9-C36 Aliphatic Hydrocarbons	BRL	13.3 mg/kg wet							
<i>Surrogate: 1-Chlorooctadecane</i>	2.56	mg/kg wet	3.33		76.9	40-140			
Prepared: 31-Jan-05 Analyzed: 02-Feb-05									
<b>LCS (5011469-BS1)</b>									
C9-C36 Aliphatic Hydrocarbons	66.4	13.3 mg/kg wet	93.3		71.2	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	2.08	mg/kg wet	3.33		62.5	40-140			
Prepared: 31-Jan-05 Analyzed: 02-Feb-05									
<b>Duplicate (5011469-DUP1)</b>									
Source: SA23419-15									
Gasoline	BRL	31.4 mg/kg dry		BRL					50
Fuel Oil #2	BRL	31.4 mg/kg dry		BRL					50
Fuel Oil #4	BRL	31.4 mg/kg dry		BRL					50
Fuel Oil #6	BRL	31.4 mg/kg dry		BRL					50
Motor Oil	BRL	31.4 mg/kg dry		BRL					50
Aviation Fuel	BRL	31.4 mg/kg dry		BRL					50
Unidentified	BRL	31.4 mg/kg dry		BRL					50
Other Oil	BRL	31.4 mg/kg dry		BRL					50
Total Petroleum Hydrocarbons	BRL	31.4 mg/kg dry		BRL					50
C9-C36 Aliphatic Hydrocarbons	BRL	31.4 mg/kg dry		BRL					50
<i>Surrogate: 1-Chlorooctadecane</i>	2.67	mg/kg dry	3.93		67.9	40-140			
Prepared: 31-Jan-05 Analyzed: 02-Feb-05									
<b>Matrix Spike (5011469-MS1)</b>									
Source: SA23419-15									
C9-C36 Aliphatic Hydrocarbons	70.0	15.7 mg/kg dry	110	BRL	63.6	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	2.12	mg/kg dry	3.93		53.9	40-140			
Prepared: 31-Jan-05 Analyzed: 02-Feb-05									
<b>Matrix Spike Dup (5011469-MSD1)</b>									
Source: SA23419-15									
C9-C36 Aliphatic Hydrocarbons	81.0	15.7 mg/kg dry	110	BRL	73.6	40-140	14.6		30
<i>Surrogate: 1-Chlorooctadecane</i>	2.49	mg/kg dry	3.93		63.4	40-140			
<b>Batch 5020006 - SW846 3535</b>									
Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
<b>Blank (5020006-BLK1)</b>									
Gasoline	BRL	0.05 mg/l							
Fuel Oil #2	BRL	0.05 mg/l							
Fuel Oil #4	BRL	0.05 mg/l							
Fuel Oil #6	BRL	0.05 mg/l							
Motor Oil	BRL	0.05 mg/l							
Aviation Fuel	BRL	0.05 mg/l							
Unidentified	BRL	0.05 mg/l							
Other Oil	BRL	0.05 mg/l							
Total Petroleum Hydrocarbons	BRL	0.05 mg/l							
C9-C36 Aliphatic Hydrocarbons	BRL	0.05 mg/l							
<i>Surrogate: 1-Chlorooctadecane</i>	0.0248	mg/l	0.0500		49.6	40-140			
Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
<b>LCS (5020006-BS1)</b>									
C9-C36 Aliphatic Hydrocarbons	0.9	0.05 mg/l	1.40		64.3	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	0.0288	mg/l	0.0500		57.6	40-140			
Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
<b>Duplicate (5020006-DUP1)</b>									
Source: SA23465-01									
Gasoline	BRL	0.3 mg/l		BRL					50

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### Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020006 - SW846 3535</b>									
<b>Duplicate (5020006-DUP1)</b>		<b>Source: SA23465-01</b>		<b>Prepared: 01-Feb-05</b>		<b>Analyzed: 02-Feb-05</b>			
Fuel Oil #2	BRL	0.3 mg/l		BRL				50	
Fuel Oil #4	BRL	0.3 mg/l		BRL				50	
Fuel Oil #6	BRL	0.3 mg/l		BRL				50	
Motor Oil	BRL	0.3 mg/l		BRL				50	
Aviation Fuel	BRL	0.3 mg/l		BRL				50	
Unidentified	BRL	0.3 mg/l		BRL				50	
Other Oil	BRL	0.3 mg/l		BRL				50	
Total Petroleum Hydrocarbons	BRL	0.3 mg/l		BRL				50	
C9-C36 Aliphatic Hydrocarbons	BRL	0.3 mg/l		BRL				50	
<i>Surrogate: 1-Chlorooctadecane</i>	0.0718	mg/l	0.143		50.2	40-140			

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011467 - SW846 3535</b>									
<b>Blank (5011467-BLK1)</b>			Prepared: 31-Jan-05 Analyzed: 02-Feb-05						
Aldrin	BRL	0.100 ug/l							
PCB 1016	BRL	0.100 ug/l							
PCB 1221	BRL	0.100 ug/l							
a-BHC	BRL	0.100 ug/l							
b-BHC	BRL	0.100 ug/l							
PCB 1232	BRL	0.100 ug/l							
PCB 1242	BRL	0.100 ug/l							
d-BHC	BRL	0.100 ug/l							
PCB 1248	BRL	0.100 ug/l							
g-BHC (Lindane)	BRL	0.100 ug/l							
Chlordane	BRL	0.500 ug/l							
PCB 1254	BRL	0.100 ug/l							
PCB 1260	BRL	0.100 ug/l							
4,4-DDD (p,p')	BRL	0.100 ug/l							
PCB 1262	BRL	0.100 ug/l							
4,4-DDE (p,p')	BRL	0.100 ug/l							
4,4-DDT (p,p')	BRL	0.100 ug/l							
PCB 1268	BRL	0.100 ug/l							
Dieldrin	BRL	0.100 ug/l							
Endosulfan I	BRL	0.100 ug/l							
Endosulfan II	BRL	0.100 ug/l							
Endosulfan Sulfate	BRL	0.100 ug/l							
Endrin	BRL	0.100 ug/l							
Endrin Aldehyde	BRL	0.100 ug/l							
Heptachlor	BRL	0.100 ug/l							
Methoxychlor	BRL	0.100 ug/l							
Heptachlor Epoxide	BRL	0.100 ug/l							
Toxaphene	BRL	0.500 ug/l							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	0.113	ug/l	0.200		56.5	30-150			
Surrogate: Decachlorobiphenyl (Sr)	0.131	ug/l	0.200		65.5	30-150			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	0.0804	ug/l	0.200		40.2	30-150			
Surrogate: Decachlorobiphenyl (Sr)	0.148	ug/l	0.200		74.0	30-150			
<b>Duplicate (5011467-DUP1)</b>			Source: SA23376-15			Prepared: 31-Jan-05 Analyzed: 02-Feb-05			
Aldrin	BRL	0.222 ug/l		BRL					30
PCB 1016	BRL	0.222 ug/l		BRL					40
PCB 1221	BRL	0.222 ug/l		BRL					40
a-BHC	BRL	0.222 ug/l		BRL					30
b-BHC	BRL	0.222 ug/l		BRL					30
PCB 1232	BRL	0.222 ug/l		BRL					40
d-BHC	BRL	0.222 ug/l		BRL					30
PCB 1242	BRL	0.222 ug/l		BRL					40
PCB 1248	BRL	0.222 ug/l		BRL					40
g-BHC (Lindane)	BRL	0.222 ug/l		BRL					30
Chlordane	BRL	1.11 ug/l		BRL					30
PCB 1254	BRL	0.222 ug/l		BRL					40
PCB 1260	BRL	0.222 ug/l		BRL					40
4,4-DDD (p,p')	BRL	0.222 ug/l		BRL					30
PCB 1262	BRL	0.222 ug/l		BRL					40
4,4-DDE (p,p')	BRL	0.222 ug/l		BRL					30
4,4-DDT (p,p')	BRL	0.222 ug/l		BRL					30
PCB 1268	BRL	0.222 ug/l		BRL					40
Dieldrin	BRL	0.222 ug/l		BRL					30
Endosulfan I	BRL	0.222 ug/l		BRL					30
Endosulfan II	BRL	0.222 ug/l		BRL					30

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011467 - SW846 3535</b>									
<b>Duplicate (5011467-DUP1)</b>		<b>Source: SA23376-15</b>		<b>Prepared: 31-Jan-05 Analyzed: 02-Feb-05</b>					
Endosulfan Sulfate	BRL	0.222 ug/l		BRL				30	
Endrin	BRL	0.222 ug/l		BRL				30	
Endrin Aldehyde	BRL	0.222 ug/l		BRL				30	
Heptachlor	BRL	0.222 ug/l		BRL				30	
Methoxychlor	BRL	0.222 ug/l		BRL				30	
Heptachlor Epoxide	BRL	0.222 ug/l		BRL				30	
Toxaphene	BRL	1.11 ug/l		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.279	ug/l	0.444		62.8	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.314	ug/l	0.444		70.7	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.224	ug/l	0.444		50.5	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.437	ug/l	0.444		98.4	30-150			
<b>Batch 5011495 - SW846 3550B</b>									
<b>Blank (5011495-BLKI)</b>		<b>Prepared: 31-Jan-05 Analyzed: 08-Feb-05</b>							
Aldrin	BRL	14.3 ug/kg wet							
PCB 1016	BRL	28.6 ug/kg wet							
a-BHC	BRL	14.3 ug/kg wet							
PCB 1221	BRL	28.6 ug/kg wet							
PCB 1232	BRL	28.6 ug/kg wet							
b-BHC	BRL	14.3 ug/kg wet							
PCB 1242	BRL	28.6 ug/kg wet							
d-BHC	BRL	14.3 ug/kg wet							
PCB 1248	BRL	28.6 ug/kg wet							
g-BHC (Lindane)	BRL	14.3 ug/kg wet							
PCB 1254	BRL	28.6 ug/kg wet							
Chlordane	BRL	71.5 ug/kg wet							
4,4-DDD (p,p')	BRL	14.3 ug/kg wet							
PCB 1260	BRL	28.6 ug/kg wet							
4,4-DDE (p,p')	BRL	14.3 ug/kg wet							
PCB 1262	BRL	28.6 ug/kg wet							
4,4-DDT (p,p')	BRL	14.3 ug/kg wet							
PCB 1268	BRL	28.6 ug/kg wet							
Dieldrin	BRL	14.3 ug/kg wet							
Endosulfan I	BRL	14.3 ug/kg wet							
Endosulfan II	BRL	14.3 ug/kg wet							
Endosulfan Sulfate	BRL	14.3 ug/kg wet							
Endrin	BRL	14.3 ug/kg wet							
Endrin Aldehyde	BRL	14.3 ug/kg wet							
Heptachlor	BRL	14.3 ug/kg wet							
Methoxychlor	BRL	14.3 ug/kg wet							
Heptachlor Epoxide	BRL	14.3 ug/kg wet							
Toxaphene	BRL	71.5 ug/kg wet							
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	22.0	ug/kg wet	28.6		76.9	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	26.2	ug/kg wet	28.6		91.6	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	22.0	ug/kg wet	28.6		76.9	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	26.2	ug/kg wet	28.6		91.6	30-150			
<b>Duplicate (5011495-DUP1)</b>		<b>Source: SA23419-08</b>		<b>Prepared: 31-Jan-05 Analyzed: 08-Feb-05</b>					
PCB 1016	BRL	34.6 ug/kg dry		BRL				40	
Aldrin	BRL	17.3 ug/kg dry		BRL				30	
PCB 1221	BRL	34.6 ug/kg dry		BRL				40	
a-BHC	BRL	17.3 ug/kg dry		BRL				30	
PCB 1232	BRL	34.6 ug/kg dry		BRL				40	
b-BHC	BRL	17.3 ug/kg dry		BRL				30	
d-BHC	BRL	17.3 ug/kg dry		BRL				30	

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**Semivolatle Organic Compounds by GC - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Flag
<b>Batch 5011495 - SW846 3550B</b>									
<b>Duplicate (5011495-DUP1) Source: SA23419-08 Prepared: 31-Jan-05 Analyzed: 08-Feb-05</b>									
PCB 1242	BRL	34.6 ug/kg dry		BRL				40	
g-BHC (Lindane)	BRL	17.3 ug/kg dry		BRL				30	
PCB 1248	BRL	34.6 ug/kg dry		BRL				40	
PCB 1254	BRL	34.6 ug/kg dry		BRL				40	
Chlordane	BRL	86.5 ug/kg dry		BRL				30	
PCB 1260	BRL	34.6 ug/kg dry		BRL				40	
4,4-DDD (p,p')	BRL	17.3 ug/kg dry		BRL				30	
PCB 1262	BRL	34.6 ug/kg dry		BRL				40	
4,4-DDE (p,p')	BRL	17.3 ug/kg dry		BRL				30	
PCB 1268	BRL	34.6 ug/kg dry		BRL				40	
4,4-DDT (p,p')	BRL	17.3 ug/kg dry		BRL				30	
Dieldrin	BRL	17.3 ug/kg dry		BRL				30	
Endosulfan I	BRL	17.3 ug/kg dry		BRL				30	
Endosulfan II	BRL	17.3 ug/kg dry		BRL				30	
Endosulfan Sulfate	BRL	17.3 ug/kg dry		BRL				30	
Endrin	BRL	17.3 ug/kg dry		BRL				30	
Endrin Aldehyde	BRL	17.3 ug/kg dry		BRL				30	
Heptachlor	BRL	17.3 ug/kg dry		BRL				30	
Methoxychlor	BRL	17.3 ug/kg dry		BRL				30	
Heptachlor Epoxide	BRL	17.3 ug/kg dry		BRL				30	
Toxaphene	BRL	86.5 ug/kg dry		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	24.7	ug/kg dry	34.6		71.4	30-150			
Surrogate: Decachlorobiphenyl (Sr)	30.5	ug/kg dry	34.6		88.2	30-150			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	24.7	ug/kg dry	34.6		71.4	30-150			
Surrogate: Decachlorobiphenyl (Sr)	30.5	ug/kg dry	34.6		88.2	30-150			
<b>Matrix Spike (5011495-MS1) Source: SA23419-08 Prepared: 31-Jan-05 Analyzed: 08-Feb-05</b>									
PCB 1016	274	35.8 ug/kg dry	447	BRL	61.3	40-140			
PCB 1260	375	35.8 ug/kg dry	447	BRL	83.9	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	26.2	ug/kg dry	35.8		73.2	40-140			
Surrogate: Decachlorobiphenyl (Sr)	32.0	ug/kg dry	35.8		89.4	40-140			
<b>Matrix Spike (5011495-MS2) Source: SA23419-08 Prepared: 31-Jan-05 Analyzed: 08-Feb-05</b>									
Aldrin	34.2	17.3 ug/kg dry	34.5	BRL	99.1	30-150			
a-BHC	33.9	17.3 ug/kg dry	34.5	BRL	98.3	30-150			
b-BHC	29.0	17.3 ug/kg dry	34.5	BRL	84.1	30-150			
d-BHC	24.5	17.3 ug/kg dry	34.5	BRL	71.0	30-150			
g-BHC (Lindane)	32.0	17.3 ug/kg dry	34.5	BRL	92.8	30-150			
4,4-DDD (p,p')	27.0	17.3 ug/kg dry	34.5	BRL	78.3	30-150			
4,4-DDE (p,p')	34.2	17.3 ug/kg dry	34.5	BRL	99.1	30-150			
4,4-DDT (p,p')	23.6	17.3 ug/kg dry	34.5	BRL	68.4	30-150			
Dieldrin	30.8	17.3 ug/kg dry	34.5	BRL	89.3	30-150			
Endosulfan I	37.4	17.3 ug/kg dry	34.5	BRL	108	30-150			
Endosulfan II	31.5	17.3 ug/kg dry	34.5	BRL	91.3	30-150			
Endosulfan Sulfate	28.8	17.3 ug/kg dry	34.5	BRL	83.5	30-150			
Endrin	20.4	17.3 ug/kg dry	34.5	BRL	59.1	30-150			
Endrin Aldehyde	21.1	17.3 ug/kg dry	34.5	BRL	61.2	30-150			
Heptachlor	31.2	17.3 ug/kg dry	34.5	BRL	90.4	30-150			
Methoxychlor	14.5	8.46 ug/kg dry	34.5	BRL	42.0	30-150			
Heptachlor Epoxide	33.3	17.3 ug/kg dry	34.5	BRL	96.5	30-150			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.8	ug/kg dry	34.5		74.8	30-150			
Surrogate: Decachlorobiphenyl (Sr)	20.9	ug/kg dry	34.5		60.6	30-150			
<b>Matrix Spike Dup (5011495-MSD1) Source: SA23419-08 Prepared: 31-Jan-05 Analyzed: 08-Feb-05</b>									
PCB 1016	292	34.8 ug/kg dry	434	BRL	67.3	40-140	9.33	50	
PCB 1260	371	34.8 ug/kg dry	434	BRL	85.5	40-140	1.89	50	

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011495 - SW846 3550B</b>									
<b>Matrix Spike Dup (5011495-MSD1)</b>		Source: SA23419-08		Prepared: 31-Jan-05		Analyzed: 08-Feb-05			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	26.1	ug/kg dry	34.7		75.2	40-140			
Surrogate: Decachlorobiphenyl (Sr)	31.9	ug/kg dry	34.7		91.9	40-140			
<b>Matrix Spike Dup (5011495-MSD2)</b>		Source: SA23419-08		Prepared: 31-Jan-05		Analyzed: 08-Feb-05			
Aldrin	31.1	16.6 ug/kg dry	33.1	BRL	94.0	30-150	5.28	30	
a-BHC	30.3	16.6 ug/kg dry	33.1	BRL	91.5	30-150	7.17	30	
b-BHC	25.8	16.6 ug/kg dry	33.1	BRL	77.9	30-150	7.65	30	
d-BHC	22.1	16.6 ug/kg dry	33.1	BRL	66.8	30-150	6.10	30	
g-BHC (Lindane)	28.8	16.6 ug/kg dry	33.1	BRL	87.0	30-150	6.45	30	
4,4-DDD (p,p')	24.6	16.6 ug/kg dry	33.1	BRL	74.3	30-150	5.24	30	
4,4-DDE (p,p')	29.1	16.6 ug/kg dry	33.1	BRL	87.9	30-150	12.0	30	
4,4-DDT (p,p')	19.7	16.6 ug/kg dry	33.1	BRL	59.5	30-150	13.9	30	
Dieldrin	27.3	16.6 ug/kg dry	33.1	BRL	82.5	30-150	7.92	30	
Endosulfan I	33.0	16.6 ug/kg dry	33.1	BRL	99.7	30-150	7.99	30	
Endosulfan II	27.8	16.6 ug/kg dry	33.1	BRL	84.0	30-150	8.33	30	
Endosulfan Sulfate	26.2	16.6 ug/kg dry	33.1	BRL	79.2	30-150	5.29	30	
Endrin	17.8	16.6 ug/kg dry	33.1	BRL	53.8	30-150	9.39	30	
Endrin Aldehyde	19.2	16.6 ug/kg dry	33.1	BRL	58.0	30-150	5.37	30	
Heptachlor	26.3	16.6 ug/kg dry	33.1	BRL	79.5	30-150	12.8	30	
Methoxychlor	13.4	8.11 ug/kg dry	33.1	BRL	40.5	30-150	3.64	30	
Heptachlor Epoxide	30.4	16.6 ug/kg dry	33.1	BRL	91.8	30-150	4.99	30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	23.2	ug/kg dry	33.1		70.1	30-150			
Surrogate: Decachlorobiphenyl (Sr)	20.3	ug/kg dry	33.1		61.3	30-150			
<b>Batch 5020001 - SW846 3535</b>									
<b>Blank (5020001-BLK1)</b>		Prepared: 01-Feb-05 Analyzed: 02-Feb-05							
2,4-D	BRL	0.100 ug/l							
2,4,5-T	BRL	0.100 ug/l							
2,4,5-TP (Silvex)	BRL	0.100 ug/l							
2,4-DB	BRL	0.100 ug/l							
Dalapon	BRL	0.100 ug/l							
Dicamba	BRL	0.100 ug/l							
Dinoseb	BRL	0.100 ug/l							
Dichlorprop	BRL	0.100 ug/l							
MCPB	BRL	15.0 ug/l							
MCPA	BRL	15.0 ug/l							
MCPB	BRL	15.0 ug/l							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	0.0851	ug/l	0.200		42.6	40-140			
<b>Duplicate (5020001-DUP1)</b>		Source: SA23461-26		Prepared: 01-Feb-05		Analyzed: 02-Feb-05			
2,4-D	BRL	0.100 ug/l		BRL				30	
2,4,5-T	BRL	0.100 ug/l		BRL				30	
2,4,5-TP (Silvex)	BRL	0.100 ug/l		BRL				30	
2,4-DB	BRL	0.100 ug/l		BRL				30	
Dalapon	BRL	0.100 ug/l		BRL				30	
Dicamba	BRL	0.100 ug/l		BRL				30	
Dinoseb	BRL	0.100 ug/l		BRL				30	
Dichlorprop	BRL	0.100 ug/l		BRL				30	
MCPB	BRL	15.0 ug/l		BRL				30	
MCPA	BRL	15.0 ug/l		BRL				30	
MCPB	BRL	15.0 ug/l		BRL				30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	0.181	ug/l	0.400		45.2	40-140			
<b>Batch 5020005 - SW846 3550B</b>									
<b>Blank (5020005-BLK1)</b>		Prepared: 01-Feb-05 Analyzed: 03-Feb-05							

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**Semivolatile Organic Compounds by GC - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020005 - SW846 3550B</b>									
<b>Blank (5020005-BLK1)</b>			Prepared: 01-Feb-05 Analyzed: 03-Feb-05						
2,4-D	BRL	6.70 ug/kg wet							
2,4,5-T	BRL	6.70 ug/kg wet							
2,4,5-TP (Silvex)	BRL	6.70 ug/kg wet							
2,4-DB	BRL	6.70 ug/kg wet							
Dalapon	BRL	6.70 ug/kg wet							
Dicamba	BRL	6.70 ug/kg wet							
Dinoseb	BRL	6.70 ug/kg wet							
Dichlorprop	BRL	6.70 ug/kg wet							
MCPB	BRL	670 ug/kg wet							
MCPA	BRL	670 ug/kg wet							
MCPP	BRL	670 ug/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	10.9	ug/kg wet	13.3		82.0	40-140			
<b>Duplicate (5020005-DUP1)</b>			Source: SA23419-11 Prepared: 01-Feb-05 Analyzed: 03-Feb-05						
2,4-D	BRL	13.4 ug/kg dry		BRL					30
2,4,5-T	BRL	13.4 ug/kg dry		BRL					30
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry		BRL					30
2,4-DB	BRL	13.4 ug/kg dry		BRL					30
Dalapon	BRL	13.4 ug/kg dry		BRL					30
Dicamba	BRL	13.4 ug/kg dry		BRL					30
Dinoseb	BRL	13.4 ug/kg dry		BRL					30
Dichlorprop	BRL	13.4 ug/kg dry		BRL					30
MCPB	BRL	1340 ug/kg dry		BRL					30
MCPA	BRL	1340 ug/kg dry		BRL					30
MCPP	BRL	1340 ug/kg dry		BRL					30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	18.4	ug/kg dry	14.5		127	40-140			

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011468 - SW846 3545A</b>			Prepared: 31-Jan-05 Analyzed: 04-Feb-05					
<b>Blank (5011468-BLK1)</b>								
N-Nitrosodimethylamine	BRL	33.4 ug/kg wet						
Bis(2-chloroethyl)ether	BRL	33.4 ug/kg wet						
Phenol	BRL	33.4 ug/kg wet						
1,3-Dichlorobenzene	BRL	33.4 ug/kg wet						
1,4-Dichlorobenzene	BRL	33.4 ug/kg wet						
1,2-Dichlorobenzene	BRL	33.4 ug/kg wet						
Benzyl alcohol	BRL	33.4 ug/kg wet						
Bis(2-chloroisopropyl)ether	BRL	33.4 ug/kg wet						
Hexachloroethane	BRL	33.4 ug/kg wet						
Nitrobenzene	BRL	33.4 ug/kg wet						
Isophorone	BRL	33.4 ug/kg wet						
Bis(2-chloroethoxy)methane	BRL	33.4 ug/kg wet						
Benzoic acid	BRL	33.4 ug/kg wet						
Naphthalene	BRL	33.4 ug/kg wet						
4-Chloroaniline	BRL	33.4 ug/kg wet						
Hexachlorobutadiene	BRL	33.4 ug/kg wet						
2-Methylnaphthalene	BRL	33.4 ug/kg wet						
Hexachlorocyclopentadiene	BRL	33.4 ug/kg wet						
2-Chloronaphthalene	BRL	33.4 ug/kg wet						
2-Nitroaniline	BRL	33.4 ug/kg wet						
Acenaphthylene	BRL	33.4 ug/kg wet						
Dimethyl phthalate	BRL	33.4 ug/kg wet						
2,6-Dinitrotoluene	BRL	33.4 ug/kg wet						
Acenaphthene	BRL	33.4 ug/kg wet						
3-Nitroaniline	BRL	33.4 ug/kg wet						
Dibenzofuran	BRL	33.4 ug/kg wet						
2,4-Dinitrotoluene	BRL	33.4 ug/kg wet						
Fluorene	BRL	33.4 ug/kg wet						
4-Chlorophenyl phenyl ether	BRL	33.4 ug/kg wet						
Diethyl phthalate	BRL	33.4 ug/kg wet						
4-Nitroaniline	BRL	33.4 ug/kg wet						
N-Nitrosodiphenylamine	BRL	33.4 ug/kg wet						
Azobenzene/Diphenyldiazine	BRL	33.4 ug/kg wet						
4-Bromophenyl phenyl ether	BRL	33.4 ug/kg wet						
Hexachlorobenzene	BRL	33.4 ug/kg wet						
Phenanthrene	BRL	33.4 ug/kg wet						
Anthracene	BRL	33.4 ug/kg wet						
Di-n-butyl phthalate	BRL	33.4 ug/kg wet						
Fluoranthene	BRL	33.4 ug/kg wet						
Benzdine	BRL	33.4 ug/kg wet						
Pyrene	BRL	33.4 ug/kg wet						
Butyl benzyl phthalate	BRL	33.4 ug/kg wet						
3,3'-Dichlorobenzidine	BRL	33.4 ug/kg wet						
Benzo (a) anthracene	BRL	33.4 ug/kg wet						
Chrysene	BRL	33.4 ug/kg wet						
Bis(2-ethylhexyl)phthalate	BRL	33.4 ug/kg wet						
Di-n-octyl phthalate	BRL	33.4 ug/kg wet						
Benzo (b) fluoranthene	BRL	33.4 ug/kg wet						
Benzo (k) fluoranthene	BRL	33.4 ug/kg wet						
Benzo (a) pyrene	BRL	33.4 ug/kg wet						
Indeno (1,2,3-cd) pyrene	BRL	33.4 ug/kg wet						
Dibenzo (a,h) anthracene	BRL	33.4 ug/kg wet						
Benzo (g,h,i) perylene	BRL	33.4 ug/kg wet						
Surrogate: 2-Fluorobiphenyl	1550	ug/kg wet	3330		46.5	30-130		

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**Semivolatile Organic Compounds by GCMS - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011468 - SW846 3545A</b>									
<b>Blank (5011468-BLK1)</b>			Prepared: 31-Jan-05 Analyzed: 04-Feb-05						
Surrogate: 2-Fluorophenol	1840	ug/kg wet	3330		55.3	30-130			
Surrogate: Nitrobenzene-d5	1430	ug/kg wet	3330		42.9	30-130			
Surrogate: Phenol-d5	1750	ug/kg wet	3330		52.6	30-130			
Surrogate: Terphenyl-d14	1520	ug/kg wet	3330		45.6	30-130			
Surrogate: 2,4,6-Tribromophenol	1330	ug/kg wet	3330		39.9	30-130			
<b>Duplicate (5011468-DUP1)</b>			Source: SA23419-15		Prepared: 31-Jan-05 Analyzed: 04-Feb-05				
N-Nitrosodimethylamine	BRL	157 ug/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	157 ug/kg dry		BRL				50	
Phenol	BRL	157 ug/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	157 ug/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	157 ug/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	157 ug/kg dry		BRL				50	
Benzyl alcohol	BRL	157 ug/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	157 ug/kg dry		BRL				50	
Hexachloroethane	BRL	157 ug/kg dry		BRL				50	
Nitrobenzene	BRL	157 ug/kg dry		BRL				50	
Isophorone	BRL	157 ug/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	157 ug/kg dry		BRL				50	
Benzoic acid	BRL	157 ug/kg dry		BRL				50	
Naphthalene	BRL	157 ug/kg dry		BRL				50	
4-Chloroaniline	BRL	157 ug/kg dry		BRL				50	
Hexachlorobutadiene	BRL	157 ug/kg dry		BRL				50	
2-Methylnaphthalene	BRL	157 ug/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	157 ug/kg dry		BRL				50	
2-Chloronaphthalene	BRL	157 ug/kg dry		BRL				50	
2-Nitroaniline	BRL	157 ug/kg dry		BRL				50	
Acenaphthylene	BRL	157 ug/kg dry		BRL				50	
Dimethyl phthalate	BRL	157 ug/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	157 ug/kg dry		BRL				50	
Acenaphthene	BRL	157 ug/kg dry		BRL				50	
3-Nitroaniline	BRL	157 ug/kg dry		BRL				50	
Dibenzofuran	BRL	157 ug/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	157 ug/kg dry		BRL				50	
Fluorene	BRL	157 ug/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	157 ug/kg dry		BRL				50	
Diethyl phthalate	BRL	157 ug/kg dry		BRL				50	
4-Nitroaniline	BRL	157 ug/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	157 ug/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	157 ug/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	157 ug/kg dry		BRL				50	
Hexachlorobenzene	BRL	157 ug/kg dry		BRL				50	
Phenanthrene	BRL	157 ug/kg dry		BRL				50	
Anthracene	BRL	157 ug/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	157 ug/kg dry		BRL				50	
Fluoranthene	BRL	157 ug/kg dry		BRL				50	
Benzidine	BRL	157 ug/kg dry		BRL				50	
Pyrene	BRL	157 ug/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	157 ug/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	157 ug/kg dry		BRL				50	
Benzo (a) anthracene	BRL	157 ug/kg dry		62.9				50	
Chrysene	BRL	157 ug/kg dry		62.9				50	
Bis(2-ethylhexyl)phthalate	BRL	157 ug/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	157 ug/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	157 ug/kg dry		BRL				50	

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011468 - SW846 3545A</b>									
<b>Duplicate (5011468-DUP1)</b>		Source: SA23419-15		Prepared: 31-Jan-05		Analyzed: 04-Feb-05			
Benzo (k) fluoranthene	BRL	157 ug/kg dry		BRL				50	
Benzo (a) pyrene	BRL	157 ug/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	157 ug/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	157 ug/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	157 ug/kg dry		BRL				50	
Surrogate: 2-Fluorobiphenyl	5260	ug/kg dry	7870		66.8	30-130			
Surrogate: 2-Fluorophenol	7260	ug/kg dry	7870		92.2	30-130			
Surrogate: Nitrobenzene-d5	4970	ug/kg dry	7870		63.2	30-130			
Surrogate: Phenol-d5	6560	ug/kg dry	7870		83.4	30-130			
Surrogate: Terphenyl-d14	6120	ug/kg dry	7870		77.8	30-130			
Surrogate: 2,4,6-Tribromophenol	6470	ug/kg dry	7870		82.2	30-130			
<b>Matrix Spike (5011468-MS1)</b>		Source: SA23419-15		Prepared: 31-Jan-05		Analyzed: 04-Feb-05			
Phenol	11600	78.7 ug/kg dry	15700	BRL	73.9	30-130			
1,4-Dichlorobenzene	5430	78.7 ug/kg dry	7860	BRL	69.1	40-140			
Acenaphthene	5530	78.7 ug/kg dry	7860	BRL	70.4	40-140			
2,4-Dinitrotoluene	3600	78.7 ug/kg dry	7860	BRL	45.8	40-140			
Pyrene	5500	78.7 ug/kg dry	7860	BRL	70.0	40-140			
Surrogate: 2-Fluorobiphenyl	4840	ug/kg dry	7860		61.6	30-130			
Surrogate: 2-Fluorophenol	5460	ug/kg dry	7860		69.5	30-130			
Surrogate: Nitrobenzene-d5	4880	ug/kg dry	7860		62.1	30-130			
Surrogate: Phenol-d5	5150	ug/kg dry	7860		65.5	30-130			
Surrogate: Terphenyl-d14	5080	ug/kg dry	7860		64.6	30-130			
Surrogate: 2,4,6-Tribromophenol	5560	ug/kg dry	7860		70.7	30-130			
<b>Matrix Spike Dup (5011468-MSD1)</b>		Source: SA23419-15		Prepared: 31-Jan-05		Analyzed: 04-Feb-05			
Phenol	11700	78.7 ug/kg dry	15700	BRL	74.5	30-130	0.809	30	
1,4-Dichlorobenzene	5480	78.7 ug/kg dry	7860	BRL	69.7	40-140	0.865	30	
Acenaphthene	5650	78.7 ug/kg dry	7860	BRL	71.9	40-140	2.11	30	
2,4-Dinitrotoluene	3910	78.7 ug/kg dry	7860	BRL	49.7	40-140	8.17	30	
Pyrene	5690	78.7 ug/kg dry	7860	BRL	72.4	40-140	3.37	30	
Surrogate: 2-Fluorobiphenyl	5320	ug/kg dry	7860		67.7	30-130			
Surrogate: 2-Fluorophenol	5670	ug/kg dry	7860		72.1	30-130			
Surrogate: Nitrobenzene-d5	5420	ug/kg dry	7860		69.0	30-130			
Surrogate: Phenol-d5	5360	ug/kg dry	7860		68.2	30-130			
Surrogate: Terphenyl-d14	5510	ug/kg dry	7860		70.1	30-130			
Surrogate: 2,4,6-Tribromophenol	5970	ug/kg dry	7860		76.0	30-130			
<b>Batch 5020004 - SW846 3535</b>									
<b>Blank (5020004-BLK1)</b>		Prepared: 01-Feb-05 Analyzed: 02-Feb-05							
Acenaphthene	BRL	2.50 ug/l							
Acenaphthylene	BRL	2.50 ug/l							
Anthracene	BRL	2.50 ug/l							
Azobenzene/Diphenyldiazine	BRL	2.50 ug/l							
Benzidine	BRL	2.50 ug/l							
Benzo (a) anthracene	BRL	2.50 ug/l							
Benzo (a) pyrene	BRL	2.50 ug/l							
Benzo (b) fluoranthene	BRL	2.50 ug/l							
Benzo (g,h,i) perylene	BRL	2.50 ug/l							
Benzo (k) fluoranthene	BRL	2.50 ug/l							
Benzoic acid	BRL	2.50 ug/l							
Benzyl alcohol	BRL	2.50 ug/l							
Bis(2-chloroethoxy)methane	BRL	2.50 ug/l							
Bis(2-chloroethyl)ether	BRL	2.50 ug/l							
Bis(2-chloroisopropyl)ether	BRL	2.50 ug/l							

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**Semivolatile Organic Compounds by GCMS - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020004 - SW846 3535</b>									
<b>Blank (5020004-BLK1)</b>									
Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Bis(2-ethylhexyl)phthalate	BRL	2.50 ug/l							
4-Bromophenyl phenyl ether	BRL	2.50 ug/l							
Butyl benzyl phthalate	BRL	2.50 ug/l							
4-Chloroaniline	BRL	2.50 ug/l							
2-Chloronaphthalene	BRL	2.50 ug/l							
4-Chlorophenyl phenyl ether	BRL	2.50 ug/l							
Chrysene	BRL	2.50 ug/l							
Dibenzo (a,h) anthracene	BRL	2.50 ug/l							
Dibenzofuran	BRL	2.50 ug/l							
1,2-Dichlorobenzene	BRL	2.50 ug/l							
1,3-Dichlorobenzene	BRL	2.50 ug/l							
1,4-Dichlorobenzene	BRL	2.50 ug/l							
3,3'-Dichlorobenzidine	BRL	2.50 ug/l							
Diethyl phthalate	BRL	2.50 ug/l							
Dimethyl phthalate	BRL	2.50 ug/l							
Di-n-butyl phthalate	BRL	2.50 ug/l							
2,4-Dinitrotoluene	BRL	2.50 ug/l							
2,6-Dinitrotoluene	BRL	2.50 ug/l							
Di-n-octyl phthalate	BRL	2.50 ug/l							
Fluoranthene	BRL	2.50 ug/l							
Fluorene	BRL	2.50 ug/l							
Hexachlorobenzene	BRL	2.50 ug/l							
Hexachlorobutadiene	BRL	2.50 ug/l							
Hexachlorocyclopentadiene	BRL	2.50 ug/l							
Hexachloroethane	BRL	2.50 ug/l							
Indeno (1,2,3-cd) pyrene	BRL	2.50 ug/l							
Isophorone	BRL	2.50 ug/l							
2-Methylnaphthalene	BRL	2.50 ug/l							
Naphthalene	BRL	2.50 ug/l							
2-Nitroaniline	BRL	2.50 ug/l							
3-Nitroaniline	BRL	2.50 ug/l							
4-Nitroaniline	BRL	2.50 ug/l							
Nitrobenzene	BRL	2.50 ug/l							
N-Nitrosodimethylamine	BRL	2.50 ug/l							
N-Nitrosodiphenylamine	BRL	2.50 ug/l							
Phenanthrene	BRL	2.50 ug/l							
Phenol	BRL	2.50 ug/l							
Pyrene	BRL	2.50 ug/l							
Surrogate: 2-Fluorobiphenyl	61.8	ug/l	100		61.8	30-130			
Surrogate: 2-Fluorophenol	71.4	ug/l	100		71.4	15-110			
Surrogate: Nitrobenzene-d5	58.0	ug/l	100		58.0	30-130			
Surrogate: Phenol-d5	67.8	ug/l	100		67.8	15-110			
Surrogate: Terphenyl-d14	62.7	ug/l	100		62.7	30-130			
Surrogate: 2,4,6-Tribromophenol	61.4	ug/l	100		61.4	15-110			
<b>Duplicate (5020004-DUP1)</b>									
Source: SA23426-04 Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Acenaphthene	BRL	10.0 ug/l		BRL				50	
Acenaphthylene	BRL	10.0 ug/l		BRL				50	
Anthracene	BRL	10.0 ug/l		BRL				50	
Azobenzene/Diphenyldiazine	BRL	10.0 ug/l		BRL				50	
Benzidine	BRL	10.0 ug/l		BRL				50	
Benzo (a) anthracene	BRL	10.0 ug/l		1.60				50	
Benzo (a) pyrene	BRL	10.0 ug/l		BRL				50	
Benzo (b) fluoranthene	BRL	10.0 ug/l		BRL				50	
Benzo (g,h,i) perylene	BRL	10.0 ug/l		BRL				50	

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**Semivolatile Organic Compounds by GCMS - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020004 - SW846 3535</b>								
<b>Duplicate (5020004-DUP1)</b>	<b>Source: SA23426-04</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>					
Benzo (k) fluoranthene	BRL	10.0 ug/l		BRL			50	
Benzoic acid	BRL	10.0 ug/l		BRL			50	
Benzyl alcohol	BRL	10.0 ug/l		BRL			50	
Bis(2-chloroethoxy)methane	BRL	10.0 ug/l		BRL			50	
Bis(2-chloroethyl)ether	BRL	10.0 ug/l		2.24			50	
Bis(2-chloroisopropyl)ether	BRL	10.0 ug/l		BRL			50	
Bis(2-ethylhexyl)phthalate	BRL	10.0 ug/l		BRL			50	
4-Bromophenyl phenyl ether	BRL	10.0 ug/l		BRL			50	
Butyl benzyl phthalate	BRL	10.0 ug/l		BRL			50	
4-Chloroaniline	BRL	10.0 ug/l		BRL			50	
2-Chloronaphthalene	BRL	10.0 ug/l		BRL			50	
4-Chlorophenyl phenyl ether	BRL	10.0 ug/l		BRL			50	
Chrysene	BRL	10.0 ug/l		1.60			50	
Dibenzo (a,h) anthracene	BRL	10.0 ug/l		BRL			50	
Dibenzofuran	BRL	10.0 ug/l		BRL			50	
1,2-Dichlorobenzene	BRL	10.0 ug/l		BRL			50	
1,3-Dichlorobenzene	BRL	10.0 ug/l		BRL			50	
1,4-Dichlorobenzene	BRL	10.0 ug/l		BRL			50	
3,3'-Dichlorobenzidine	BRL	10.0 ug/l		BRL			50	
Diethyl phthalate	BRL	10.0 ug/l		BRL			50	
Dimethyl phthalate	BRL	10.0 ug/l		BRL			50	
Di-n-butyl phthalate	BRL	10.0 ug/l		BRL			50	
2,4-Dinitrotoluene	BRL	10.0 ug/l		BRL			50	
2,6-Dinitrotoluene	BRL	10.0 ug/l		BRL			50	
Di-n-octyl phthalate	BRL	10.0 ug/l		BRL			50	
Fluoranthene	BRL	10.0 ug/l		BRL			50	
Fluorene	BRL	10.0 ug/l		BRL			50	
Hexachlorobenzene	BRL	10.0 ug/l		BRL			50	
Hexachlorobutadiene	BRL	10.0 ug/l		BRL			50	
Hexachlorocyclopentadiene	BRL	10.0 ug/l		BRL			50	
Hexachloroethane	BRL	10.0 ug/l		BRL			50	
Indeno (1,2,3-cd) pyrene	BRL	10.0 ug/l		BRL			50	
Isophorone	BRL	10.0 ug/l		BRL			50	
2-Methylnaphthalene	BRL	10.0 ug/l		BRL			50	
Naphthalene	BRL	10.0 ug/l		BRL			50	
2-Nitroaniline	BRL	10.0 ug/l		BRL			50	
3-Nitroaniline	BRL	10.0 ug/l		BRL			50	
4-Nitroaniline	BRL	10.0 ug/l		BRL			50	
Nitrobenzene	BRL	10.0 ug/l		BRL			50	
N-Nitrosodimethylamine	BRL	10.0 ug/l		BRL			50	
N-Nitrosodiphenylamine	BRL	10.0 ug/l		BRL			50	
Phenanthrene	BRL	10.0 ug/l		BRL			50	
Phenol	BRL	10.0 ug/l		BRL			50	
Pyrene	BRL	10.0 ug/l		BRL			50	
Surrogate: 2-Fluorobiphenyl	131	ug/l	200		65.5	30-130		
Surrogate: 2-Fluorophenol	150	ug/l	200		75.0	15-110		
Surrogate: Nitrobenzene-d5	114	ug/l	200		57.0	30-130		
Surrogate: Phenol-d5	142	ug/l	200		71.0	15-110		
Surrogate: Terphenyl-d14	141	ug/l	200		70.5	30-130		
Surrogate: 2,4,6-Tribromophenol	120	ug/l	200		60.0	15-110		

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\*Reportable Detection Limit    BRL = Below Reporting Limit

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Flag
<b>Batch 5020020 - SW846 3050B</b>									
<b>Blank (5020020-BLK1)</b> Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Selenium	BRL	3.00 mg/kg wet							
Lead	BRL	1.50 mg/kg wet							
Silver	BRL	2.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
<b>LCS (5020020-BS1)</b> Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Selenium	0.992	0.0300 mg/kg wet	1.00		99.2	85-115			
Lead	0.911	0.0150 mg/kg wet	1.00		91.1	85-115			
Cadmium	0.928	0.0050 mg/kg wet	1.00		92.8	85-115			
Arsenic	0.939	0.0300 mg/kg wet	1.00		93.9	85-115			
Chromium	0.934	0.0100 mg/kg wet	1.00		93.4	85-115			
Silver	0.934	0.0400 mg/kg wet	1.00		93.4	85-115			
Barium	0.912	0.0100 mg/kg wet	1.00		91.2	85-115			
<b>Duplicate (5020020-DUP1)</b> Source: SA23419-01 Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Lead	197	1.72 mg/kg dry		280			34.8	35	
Selenium	BRL	3.45 mg/kg dry		BRL				35	
Arsenic	BRL	3.45 mg/kg dry		7.11			102	35	QR-05
Cadmium	2.01	0.574 mg/kg dry		2.62			26.3	35	
Silver	BRL	2.30 mg/kg dry		BRL				35	
Chromium	29.5	1.15 mg/kg dry		31.0			4.96	35	
Barium	142	1.15 mg/kg dry		102			32.8	35	
<b>Duplicate (5020020-DUP2)</b> Source: SA23449-03 Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Selenium	BRL	3.19 mg/kg dry		BRL				35	
Lead	BRL	1.60 mg/kg dry		BRL				35	
Silver	BRL	2.13 mg/kg dry		BRL				35	
Arsenic	BRL	3.19 mg/kg dry		BRL				35	
Cadmium	BRL	0.532 mg/kg dry		0.354			20.8	35	
Chromium	15.1	1.06 mg/kg dry		9.18			48.8	35	QR-05
Barium	46.3	1.06 mg/kg dry		42.1			9.50	35	
<b>Matrix Spike (5020020-MS1)</b> Source: SA23419-02 Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Lead	329	1.71 mg/kg dry	114	258	62.3	75-125			QM-07
Selenium	103	3.43 mg/kg dry	114	BRL	90.4	75-125			
Arsenic	104	3.43 mg/kg dry	114	3.82	87.9	75-125			
Cadmium	96.5	0.571 mg/kg dry	114	2.30	82.6	75-125			
Chromium	122	1.14 mg/kg dry	114	27.0	83.3	75-125			
Silver	48.7	2.29 mg/kg dry	57.1	BRL	85.3	75-125			
Barium	237	1.14 mg/kg dry	114	172	57.0	75-125			QM-07
<b>Matrix Spike (5020020-MS2)</b> Source: SA23449-04 Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Lead	98.7	1.73 mg/kg dry	116	1.14	84.1	75-125			
Selenium	109	3.47 mg/kg dry	116	BRL	94.0	75-125			
Silver	50.0	2.31 mg/kg dry	57.8	BRL	86.5	75-125			
Cadmium	98.0	0.578 mg/kg dry	116	1.08	83.6	75-125			
Arsenic	107	3.47 mg/kg dry	116	BRL	92.2	75-125			
Chromium	130	1.16 mg/kg dry	116	29.0	87.1	75-125			
Barium	275	1.16 mg/kg dry	116	160	99.1	75-125			
<b>Matrix Spike Dup (5020020-MSD1)</b> Source: SA23419-02 Prepared: 01-Feb-05 Analyzed: 02-Feb-05									
Lead	274	1.53 mg/kg dry	102	258	15.7	75-125	18.2	35	QM-07
Selenium	95.4	3.06 mg/kg dry	102	BRL	93.5	75-125	7.66	35	
Arsenic	95.2	3.06 mg/kg dry	102	3.82	89.6	75-125	8.84	35	
Silver	46.0	2.04 mg/kg dry	51.1	BRL	90.0	75-125	5.70	35	

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\*Reportable Detection Limit BRL = Below Reporting Limit

**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020022 - SW846 3005A</b>									
<b>Blank (5020022-BLK1)</b>			<b>Prepared &amp; Analyzed: 01-Feb-05</b>						
Chromium	BRL	0.0025 mg/l							
<b>LCS (5020022-BS1)</b>			<b>Prepared &amp; Analyzed: 01-Feb-05</b>						
Lead	0.0906	0.0038 mg/l	0.100		90.6	85-115			
Selenium	0.100	0.0030 mg/l	0.100		100	85-115			
Chromium	0.0920	0.0025 mg/l	0.100		92.0	85-115			
Arsenic	0.0984	0.0016 mg/l	0.100		98.4	85-115			
Silver	0.0486	0.0050 mg/l	0.0500		97.2	85-115			
Barium	0.100	0.0025 mg/l	0.100		100	85-115			
Cadmium	0.0931	0.0012 mg/l	0.100		93.1	85-115			
<b>LCS Dup (5020022-BSD1)</b>			<b>Prepared &amp; Analyzed: 01-Feb-05</b>						
Lead	0.0933	0.0038 mg/l	0.100		93.3	85-115	2.94	20	
Selenium	0.0903	0.0075 mg/l	0.100		90.3	85-115	10.2	20	
Chromium	0.0944	0.0025 mg/l	0.100		94.4	85-115	2.58	20	
Cadmium	0.0966	0.0012 mg/l	0.100		96.6	85-115	3.69	20	
Barium	0.102	0.0025 mg/l	0.100		102	85-115	1.98	20	
Arsenic	0.0955	0.0016 mg/l	0.100		95.5	85-115	2.99	20	
Silver	0.0495	0.0050 mg/l	0.0500		99.0	85-115	1.83	20	
<b>Duplicate (5020022-DUP1)</b>			<b>Source: SA23419-16</b>		<b>Prepared &amp; Analyzed: 01-Feb-05</b>				
Selenium	BRL	0.0075 mg/l		BRL					20
Lead	0.0103	0.0038 mg/l		0.0117			12.7		20
Chromium	0.0122	0.0025 mg/l		0.0134			9.37		20
Barium	0.0782	0.0025 mg/l		0.0805			2.90		20
Arsenic	BRL	0.0040 mg/l		BRL					20
Silver	BRL	0.0050 mg/l		BRL					20
Cadmium	BRL	0.0012 mg/l		0.0007			15.4		20
<b>Matrix Spike (5020022-MS1)</b>			<b>Source: SA23419-17</b>		<b>Prepared &amp; Analyzed: 01-Feb-05</b>				
Selenium	0.0780	0.0075 mg/l	0.100	BRL	78.0	75-125			
Lead	0.0812	0.0038 mg/l	0.100	BRL	81.2	75-125			
Silver	0.0414	0.0050 mg/l	0.0500	BRL	82.8	75-125			
Barium	0.0852	0.0025 mg/l	0.100	BRL	85.2	75-125			
Arsenic	0.0708	0.0040 mg/l	0.100	BRL	70.8	75-125			QM-07
Cadmium	0.0820	0.0012 mg/l	0.100	BRL	82.0	75-125			
Chromium	0.0798	0.0025 mg/l	0.100	BRL	79.8	75-125			
<b>Matrix Spike Dup (5020022-MSD1)</b>			<b>Source: SA23419-17</b>		<b>Prepared &amp; Analyzed: 01-Feb-05</b>				
Lead	0.0799	0.0038 mg/l	0.100	BRL	79.9	75-125	1.61		20
Selenium	0.0760	0.0075 mg/l	0.100	BRL	76.0	75-125	2.60		20
Silver	0.0414	0.0050 mg/l	0.0500	BRL	82.8	75-125	0.00		20
Barium	0.0847	0.0025 mg/l	0.100	BRL	84.7	75-125	0.589		20
Cadmium	0.0803	0.0012 mg/l	0.100	BRL	80.3	75-125	2.09		20
Arsenic	0.0718	0.0040 mg/l	0.100	BRL	71.8	75-125	1.40		20
Chromium	0.0789	0.0025 mg/l	0.100	BRL	78.9	75-125	1.13		20

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

\*Reportable Detection Limit      BRL = Below Reporting Limit

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**Total Metals by EPA 200 Series Methods - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020023 - EPA200/SW7000 Series</b>									
<b>Blank (5020023-BLK1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Mercury	BRL	0.00020 mg/l							
<b>LCS (5020023-BS1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Mercury	0.00496	0.00020 mg/l	0.00500		99.2	80-120			
<b>Duplicate (5020023-DUP1)</b>			Source: SA23419-17 Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Mercury	BRL	0.00020 mg/l		BRL				20	
<b>Matrix Spike (5020023-MS1)</b>			Source: SA23419-16 Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Mercury	0.00446	0.00020 mg/l	0.00500	0.00005	88.2	75-125			
<b>Matrix Spike Dup (5020023-MSD1)</b>			Source: SA23419-16 Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Mercury	0.00461	0.00020 mg/l	0.00500	0.00005	91.2	75-125	3.31	20	

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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	*RDL Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Flag
<b>Batch 5020010 - SW846 1312</b>									
<b>Blank (5020010-BLK1)</b>			Prepared & Analyzed: 31-Dec-04						
SPLP Extraction	Completed	N/A							
<b>Batch 5020013 - SW846 3010A</b>									
<b>Blank (5020013-BLK1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Selenium	BRL	0.0150 mg/l							
Lead	BRL	0.0075 mg/l							
Arsenic	BRL	0.0150 mg/l							
Silver	BRL	0.0100 mg/l							
Chromium	BRL	0.0050 mg/l							
Cadmium	BRL	0.0025 mg/l							
Barium	BRL	0.0050 mg/l							
<b>LCS (5020013-BS1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Selenium	0.861	0.0150 mg/l	1.00		86.1	85-115			
Lead	0.851	0.0075 mg/l	1.00		85.1	85-115			
Arsenic	0.896	0.0150 mg/l	1.00		89.6	85-115			
Chromium	0.889	0.0050 mg/l	1.00		88.9	85-115			
Silver	0.438	0.0100 mg/l	0.500		87.6	85-115			
Cadmium	0.864	0.0025 mg/l	1.00		86.4	85-115			
Barium	0.858	0.0050 mg/l	1.00		85.8	85-115			
<b>LCS Dup (5020013-BSD1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Lead	0.941	0.0150 mg/l	1.00		94.1	85-115	10.0	20	
Selenium	1.02	0.0300 mg/l	1.00		102	85-115	16.9	20	
Chromium	0.854	0.0050 mg/l	1.00		85.4	85-115	4.02	20	
Cadmium	0.943	0.0050 mg/l	1.00		94.3	85-115	8.74	20	
Silver	0.474	0.0200 mg/l	0.500		94.8	85-115	7.89	20	
Arsenic	0.862	0.0150 mg/l	1.00		86.2	85-115	3.87	20	
Barium	0.920	0.0100 mg/l	1.00		92.0	85-115	6.97	20	
<b>Duplicate (5020013-DUP1)</b>			Source: SA23419-03		Prepared: 01-Feb-05 Analyzed: 02-Feb-05				
Selenium	BRL	0.0150 mg/l		BRL				20	
Lead	BRL	0.0075 mg/l		0.0071			89.8	20	QR-04
Arsenic	BRL	0.0150 mg/l		BRL				20	
Silver	BRL	0.0100 mg/l		BRL				20	
Cadmium	BRL	0.0025 mg/l		BRL				20	
Chromium	BRL	0.0050 mg/l		0.0028				20	
Barium	0.0153	0.0050 mg/l		0.0234			41.9	20	QR-05
<b>Duplicate (5020013-DUP2)</b>			Source: SA23419-13		Prepared: 01-Feb-05 Analyzed: 02-Feb-05				
Selenium	BRL	0.0150 mg/l		BRL				20	
Lead	BRL	0.0075 mg/l		BRL				20	
Cadmium	BRL	0.0025 mg/l		BRL				20	
Silver	BRL	0.0100 mg/l		BRL				20	
Arsenic	BRL	0.0150 mg/l		BRL				20	
Chromium	BRL	0.0050 mg/l		BRL				20	
Barium	0.0066	0.0050 mg/l		0.0091			31.8	20	QR-05
<b>Matrix Spike (5020013-MS1)</b>			Source: SA23419-02		Prepared: 01-Feb-05 Analyzed: 02-Feb-05				
Selenium	0.0814	0.0150 mg/l	0.100	BRL	81.4	75-125			
Lead	0.0905	0.0075 mg/l	0.100	0.0024	88.1	75-125			
Arsenic	0.0904	0.0150 mg/l	0.100	BRL	90.4	75-125			
Chromium	0.0921	0.0050 mg/l	0.100	BRL	92.1	75-125			
Cadmium	0.0890	0.0025 mg/l	0.100	0.0006	88.4	75-125			
Silver	0.0458	0.0100 mg/l	0.0500	BRL	91.6	75-125			
Barium	0.207	0.0050 mg/l	0.100	0.119	88.0	75-125			
<b>Matrix Spike (5020013-MS2)</b>			Source: SA23419-12		Prepared: 01-Feb-05 Analyzed: 02-Feb-05				

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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	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020013 - SW846 3010A</b>									
<b>Matrix Spike (5020013-MS2)</b>		<b>Source: SA23419-12</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>					
Selenium	0.0877	0.0150 mg/l	0.100	BRL	87.7	75-125			
Lead	0.0845	0.0075 mg/l	0.100	BRL	84.5	75-125			
Cadmium	0.0848	0.0025 mg/l	0.100	0.0003	84.5	75-125			
Silver	0.0444	0.0100 mg/l	0.0500	BRL	88.8	75-125			
Arsenic	0.0940	0.0150 mg/l	0.100	BRL	94.0	75-125			
Chromium	0.0915	0.0050 mg/l	0.100	0.0046	86.9	75-125			
Barium	0.101	0.0050 mg/l	0.100	0.0168	84.2	75-125			
<b>Matrix Spike Dup (5020013-MSD1)</b>		<b>Source: SA23419-02</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>					
Lead	0.0882	0.0075 mg/l	0.100	0.0024	85.8	75-125	2.57	20	
Selenium	0.0920	0.0150 mg/l	0.100	BRL	92.0	75-125	12.2	20	
Chromium	0.0914	0.0050 mg/l	0.100	BRL	91.4	75-125	0.763	20	
Silver	0.0442	0.0100 mg/l	0.0500	BRL	88.4	75-125	3.56	20	
Cadmium	0.0878	0.0025 mg/l	0.100	0.0006	87.2	75-125	1.36	20	
Arsenic	0.0896	0.0150 mg/l	0.100	BRL	89.6	75-125	0.889	20	
Barium	0.208	0.0050 mg/l	0.100	0.119	89.0	75-125	0.482	20	
<b>Matrix Spike Dup (5020013-MSD2)</b>		<b>Source: SA23419-12</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>					
Lead	0.0864	0.0075 mg/l	0.100	BRL	86.4	75-125	2.22	20	
Selenium	0.0806	0.0150 mg/l	0.100	BRL	80.6	75-125	8.44	20	
Silver	0.0448	0.0100 mg/l	0.0500	BRL	89.6	75-125	0.897	20	
Arsenic	0.0910	0.0150 mg/l	0.100	BRL	91.0	75-125	3.24	20	
Chromium	0.0918	0.0050 mg/l	0.100	0.0046	87.2	75-125	0.327	20	
Cadmium	0.0844	0.0025 mg/l	0.100	0.0003	84.1	75-125	0.473	20	
Barium	0.100	0.0050 mg/l	0.100	0.0168	83.2	75-125	0.995	20	
<b>Batch 5020014 - EPA200/SW7000 Series</b>									
<b>Blank (5020014-BLK1)</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>							
Mercury	BRL	0.00040 mg/l							
<b>LCS (5020014-BS1)</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>							
Mercury	0.00469	0.00040 mg/l	0.00500		93.8	80-120			
<b>Duplicate (5020014-DUP1)</b>		<b>Source: SA23419-03</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>					
Mercury	BRL	0.00040 mg/l		BRL					35
<b>Duplicate (5020014-DUP2)</b>		<b>Source: SA23419-13</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>					
Mercury	BRL	0.00040 mg/l		BRL					35
<b>Matrix Spike (5020014-MS1)</b>		<b>Source: SA23419-02</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>					
Mercury	0.00477	0.00040 mg/l	0.00500	BRL	95.4	75-125			
<b>Matrix Spike (5020014-MS2)</b>		<b>Source: SA23419-12</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>					
Mercury	0.00491	0.00040 mg/l	0.00500	BRL	98.2	75-125			
<b>Matrix Spike Dup (5020014-MSD1)</b>		<b>Source: SA23419-02</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>					
Mercury	0.00486	0.00040 mg/l	0.00500	BRL	97.2	75-125	1.87	35	
<b>Matrix Spike Dup (5020014-MSD2)</b>		<b>Source: SA23419-12</b>		<b>Prepared: 01-Feb-05 Analyzed: 03-Feb-05</b>					
Mercury	0.00493	0.00040 mg/l	0.00500	BRL	98.6	75-125	0.406	35	
<b>General Chemistry Parameters - Quality Control</b>									
Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011426 - General Preparation</b>									
<b>Duplicate (5011426-DUP1)</b>		<b>Source: SA23420-03</b>		<b>Prepared: 28-Jan-05 Analyzed: 31-Jan-05</b>					
% Solids	89.0	%		90.7			1.89	20	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

## Notes and Definitions

*TPH	Calculated as
Comp	Completed
QC-1	Analyte out of acceptance range.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	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.
QR-04	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR-05	RPD out of acceptance range.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
vext2	Field extracted
VOC10	The VOC field 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.
VOC6	The production of Acetone and other ketones is commonly seen when using Sodium Bisulfate in the SW 846 5035A extraction technique.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to matrix interference using SW846 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

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

### 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:  
Haribal C. Tayeh, Ph.D.  
Nicole Brown



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

Laboratory Name: Spectrum Analytical, Inc.	Project Name and Number:
Project Location: New Haven Rail Yard Interim Shop-CT	New Haven Rail Yard Interim Shop-CT/ 301-81
This Form Provides certifications for the following data set: SA23419-01    SA23419-11 SA23419-02    SA23419-12 SA23419-03    SA23419-13 SA23419-04    SA23419-14 SA23419-05    SA23419-15 SA23419-06    SA23419-16 SA23419-07    SA23419-17 SA23419-08    SA23419-18 SA23419-09 SA23419-10	List Specific Analytical Methods Used: +CT ETPH EPA 245.2/7470A SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8081A SW846 8082 SW846 8151A SW846 8260B SW846 8270C VOC
Sample Matrices: Aqueous Soil/Sediment	

<b>A</b>	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>B</b>	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>C</b>	Were all QC performance standards and recommendations for the specified methods achieved?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>D</b>	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input type="checkbox"/> Yes <input type="checkbox"/> 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: 2/8/2005

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\*Reportable Detection Limit    BRL = Below Reporting Limit



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HARIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 2

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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: Cindy Knight  
LES

Invoice To: CDOT - DAS Contract (Mad)  
LES

Project No.: 301-81

Site Name: New Haven Rail yards Interim Shop

354 S. River Rd.  
Tolland CT 06084

1045501721 (P)  
P.O. No.: \_\_\_\_\_  
RON: \_\_\_\_\_

Location: New Haven State: CT  
Sampler(s): C. Knight / C. Criswell

Project Mgr.: David Stock - Mayfield

Containers:

Analyses:

QA Reporting Notes:  
(check if needed)

1=Na<sub>2</sub>SO<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid  
7=CH<sub>3</sub>OH 8=NaHSO<sub>4</sub> 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

# of VOA Vials  
# of Amber Glass  
# of Clear Glass  
# of Plastic

VOCs - 8260  
CT ETPH  
Base Neutrals 8270  
Pests. + PCBs 8081/8082  
Herbicides 8151  
Total RCRAs  
Metals 6000/7000  
SPLP RCRAs  
Metals 6000/7000

Provide MCP CAM Report  
Were all field QC requirements met as per MADEP CAM Section 2.0?  
 Yes  No  
(Response required for CAM report)

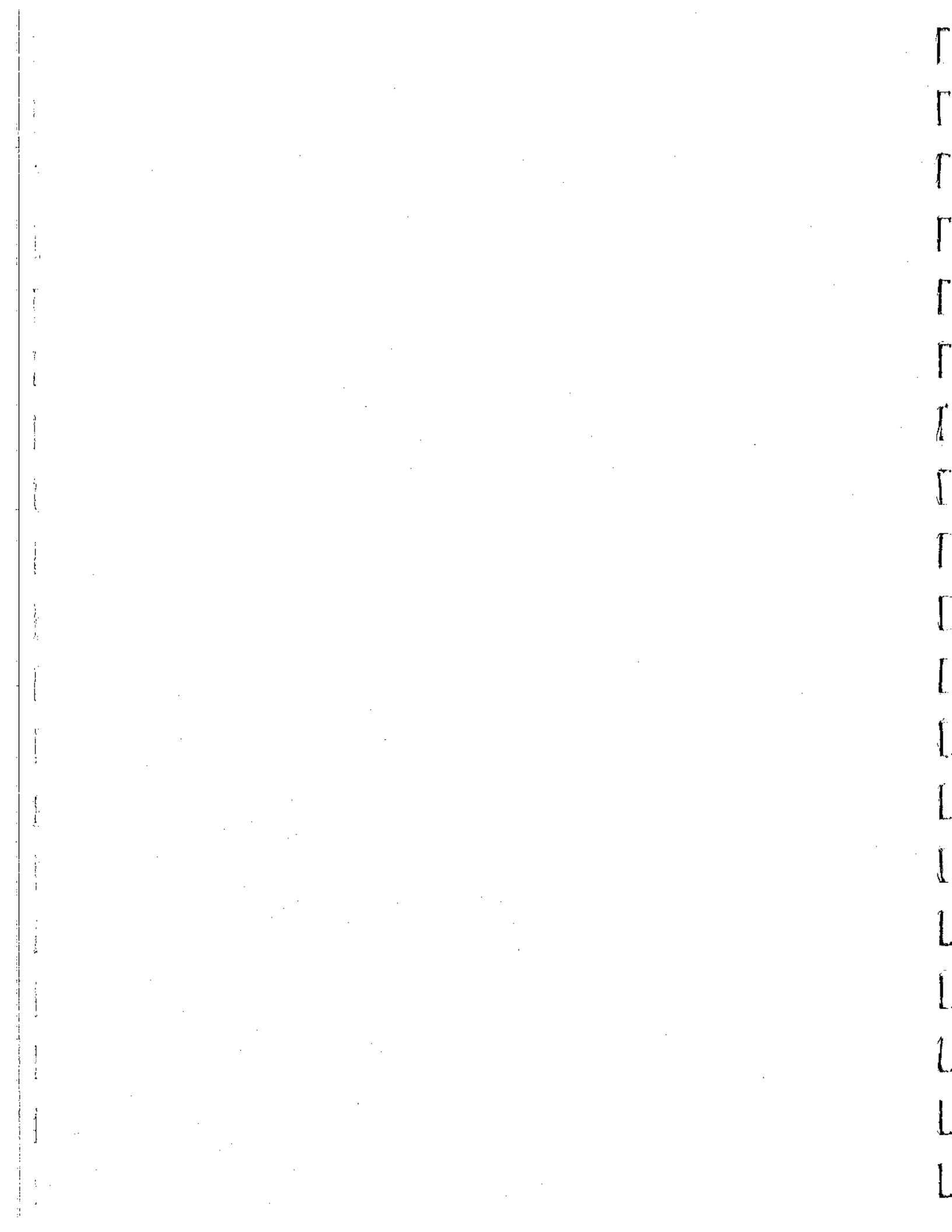
Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses:	Relinquished by:	Received by:	Date:	Time:
5A03419-01	GPIIS-8 2-4'	1-26-05		C	SO		2	1			X VOCs - 8260 X CT ETPH X Base Neutrals 8270 X Pests. + PCBs 8081/8082 X Herbicides 8151 X Total RCRAs X Metals 6000/7000 X SPLP RCRAs X Metals 6000/7000	<u>Paul D. [Signature]</u>	<u>[Signature]</u>	01/27/05	12:02
-02	GPIIS-11 2-4'														
-03	GPIIS-12 2-4'														
-04	GPIIS-13 4-8'														
-05	GPIIS-14 4-8'														
-06	GPIIS-15 2-4'														
-07	GPIIS-16 2-4'														
-08	GPIIS-17 2-4'														
-09	GPIIS-18 2-4'														
-10	GPIIS-19 4-8'														

Fax results when available to ( )

E-mail to ck@logicalenvironmental.com

EDD Format PDF

Condition upon receipt:  Iced  Ambient  °C 1



Sample IdentificationFB-3  
SA23461-26Client Project #

301-81

Matrix

Aqueous

Collection Date/Time

27-Jan-05 00:00

Received

28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Semivolatile Organic Compounds by GCMS</b>									
<u>Base Neutrals by SW846 8270C</u>		Prepared by method SW846 3535							
Benzidine	BRL	5.71 ug/l	1	SW846 8270C	01-Feb-05	03-Feb-05	5020004	M.B	
Benzo (a) anthracene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Benzo (a) pyrene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Benzo (b) fluoranthene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Benzo (g,h,i) perylene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Benzo (k) fluoranthene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Benzoic acid	BRL	5.71 ug/l	1	"	"	"	"	"	"
Benzyl alcohol	BRL	5.71 ug/l	1	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	BRL	5.71 ug/l	1	"	"	"	"	"	"
Bis(2-chloroethyl)ether	BRL	5.71 ug/l	1	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	BRL	5.71 ug/l	1	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	BRL	5.71 ug/l	1	"	"	"	"	"	"
4-Bromophenyl phenyl ether	BRL	5.71 ug/l	1	"	"	"	"	"	"
Butyl benzyl phthalate	BRL	5.71 ug/l	1	"	"	"	"	"	"
4-Chloroaniline	BRL	5.71 ug/l	1	"	"	"	"	"	"
2-Chloronaphthalene	BRL	5.71 ug/l	1	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	BRL	5.71 ug/l	1	"	"	"	"	"	"
Chrysene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Dibenzo (a,h) anthracene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Dibenzofuran	BRL	5.71 ug/l	1	"	"	"	"	"	"
1,2-Dichlorobenzene	BRL	5.71 ug/l	1	"	"	"	"	"	"
1,3-Dichlorobenzene	BRL	5.71 ug/l	1	"	"	"	"	"	"
1,4-Dichlorobenzene	BRL	5.71 ug/l	1	"	"	"	"	"	"
3,3'-Dichlorobenzidine	BRL	5.71 ug/l	1	"	"	"	"	"	"
Diethyl phthalate	BRL	5.71 ug/l	1	"	"	"	"	"	"
Dimethyl phthalate	BRL	5.71 ug/l	1	"	"	"	"	"	"
Di-n-butyl phthalate	BRL	5.71 ug/l	1	"	"	"	"	"	"
2,4-Dinitrotoluene	BRL	5.71 ug/l	1	"	"	"	"	"	"
2,6-Dinitrotoluene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Di-n-octyl phthalate	BRL	5.71 ug/l	1	"	"	"	"	"	"
Fluoranthene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Fluorene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Hexachlorobenzene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Hexachlorobutadiene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Hexachlorocyclopentadiene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Hexachloroethane	BRL	5.71 ug/l	1	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Isophorone	BRL	5.71 ug/l	1	"	"	"	"	"	"
2-Methylnaphthalene	BRL	5.71 ug/l	1	"	"	"	"	"	"
Naphthalene	BRL	5.71 ug/l	1	"	"	"	"	"	"
2-Nitroaniline	BRL	5.71 ug/l	1	"	"	"	"	"	"
3-Nitroaniline	BRL	5.71 ug/l	1	"	"	"	"	"	"
4-Nitroaniline	BRL	5.71 ug/l	1	"	"	"	"	"	"
Nitrobenzene	BRL	5.71 ug/l	1	"	"	"	"	"	"
N-Nitrosodimethylamine	BRL	5.71 ug/l	1	"	"	"	"	"	"
N-Nitrosodiphenylamine	BRL	5.71 ug/l	1	"	"	"	"	"	"

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\*Reportable Detection Limit BRL = Below Reporting Limit

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Sample IdentificationTB-3  
SA23461-27Client Project #  
301-81Matrix  
AqueousCollection Date/Time  
27-Jan-05 00:00Received  
28-Jan-05

<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Batch</u>	<u>Analyst</u>	<u>Flag</u>
<b>Volatile Organic Compounds</b>									
<u>Volatile Organic Compounds by SW846 8260B</u>				Prepared by method Volatiles					
Methylene chloride	BRL	10.0 ug/l	1	SW846 8260B	02-Feb-05	03-Feb-05	5020126	KL	
Naphthalene	BRL	1.0 ug/l	1	"	"	"	"	"	
n-Propylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Styrene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Tetrachloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Toluene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trichlorobenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,1-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,1,2-Trichloroethane	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichloroethene	BRL	1.0 ug/l	1	"	"	"	"	"	
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,3-Trichloropropane	BRL	1.0 ug/l	1	"	"	"	"	"	
1,2,4-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
1,3,5-Trimethylbenzene	BRL	1.0 ug/l	1	"	"	"	"	"	
Vinyl chloride	BRL	1.0 ug/l	1	"	"	"	"	"	
m,p-Xylene	BRL	2.0 ug/l	1	"	"	"	"	"	
o-Xylene	BRL	1.0 ug/l	1	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		70-130 %		"	"	"	"	"	
Surrogate: Toluene-d8		70-130 %		"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		70-130 %		"	"	"	"	"	
Surrogate: Dibromofluoromethane		70-130 %		"	"	"	"	"	

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Flag
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>Blank (5020035-BLK1)</b>			<b>Prepared &amp; Analyzed: 01-Feb-05</b>						
Acetone	BRL	20.0 ug/kg wet							
Acrylonitrile	BRL	1.0 ug/kg wet							
Benzene	BRL	1.0 ug/kg wet							
Bromobenzene	BRL	1.0 ug/kg wet							
Bromochloromethane	BRL	1.0 ug/kg wet							
Bromodichloromethane	BRL	1.0 ug/kg wet							
Bromoform	BRL	1.0 ug/kg wet							
Bromomethane	BRL	2.0 ug/kg wet							
2-Butanone (MEK)	BRL	10.0 ug/kg wet							
n-Butylbenzene	BRL	1.0 ug/kg wet							
sec-Butylbenzene	BRL	1.0 ug/kg wet							
tert-Butylbenzene	BRL	1.0 ug/kg wet							
Carbon disulfide	BRL	5.0 ug/kg wet							
Carbon tetrachloride	BRL	1.0 ug/kg wet							
Chlorobenzene	BRL	1.0 ug/kg wet							
Chloroethane	BRL	2.0 ug/kg wet							
Chloroform	BRL	1.0 ug/kg wet							
Chloromethane	BRL	2.0 ug/kg wet							
2-Chlorotoluene	BRL	1.0 ug/kg wet							
4-Chlorotoluene	BRL	1.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/kg wet							
Dibromochloromethane	BRL	1.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0 ug/kg wet							
Dibromomethane	BRL	1.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	1.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	1.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	1.0 ug/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/kg wet							
1,1-Dichloroethane	BRL	1.0 ug/kg wet							
1,2-Dichloroethane	BRL	1.0 ug/kg wet							
1,1-Dichloroethene	BRL	1.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	1.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	1.0 ug/kg wet							
1,2-Dichloropropane	BRL	1.0 ug/kg wet							
1,3-Dichloropropane	BRL	1.0 ug/kg wet							
2,2-Dichloropropane	BRL	1.0 ug/kg wet							
1,1-Dichloropropene	BRL	1.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	1.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	1.0 ug/kg wet							
Ethylbenzene	BRL	1.0 ug/kg wet							
Hexachlorobutadiene	BRL	1.0 ug/kg wet							
2-Hexanone (MBK)	BRL	10.0 ug/kg wet							
Isopropylbenzene	BRL	1.0 ug/kg wet							
4-Isopropyltoluene	BRL	1.0 ug/kg wet							
Methyl tert-butyl ether	BRL	1.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/kg wet							
Methylene chloride	BRL	10.0 ug/kg wet							
Naphthalene	BRL	1.0 ug/kg wet							
n-Propylbenzene	BRL	1.0 ug/kg wet							
Styrene	BRL	1.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/kg wet							
Tetrachloroethene	BRL	1.0 ug/kg wet							
Toluene	BRL	1.0 ug/kg wet							

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**Volatile Organic Compounds - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>Blank (5020035-BLK1)</b>			Prepared & Analyzed: 01-Feb-05						
1,2,3-Trichlorobenzene	BRL	1.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	1.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	1.0 ug/kg wet							
Trichloroethene	BRL	1.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	1.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0 ug/kg wet							
Vinyl chloride	BRL	1.0 ug/kg wet							
m,p-Xylene	BRL	2.0 ug/kg wet							
o-Xylene	BRL	1.0 ug/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	50.8	ug/kg wet	50.0		102	70-130			
<i>Surrogate: Toluene-d8</i>	48.4	ug/kg wet	50.0		96.8	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	45.3	ug/kg wet	50.0		90.6	70-130			
<i>Surrogate: Dibromofluoromethane</i>	47.5	ug/kg wet	50.0		95.0	70-130			
<b>LCS (5020035-BS1)</b>			Prepared & Analyzed: 01-Feb-05						
Acetone	32.9	ug/kg wet	20.0		164	70-130			QC-1
Acrylonitrile	16.0	ug/kg wet	20.0		80.0	70-130			
Benzene	18.4	ug/kg wet	20.0		92.0	70-130			
Bromobenzene	20.7	ug/kg wet	20.0		104	70-130			
Bromochloromethane	18.7	ug/kg wet	20.0		93.5	70-130			
Bromodichloromethane	19.2	ug/kg wet	20.0		96.0	70-130			
Bromoform	18.7	ug/kg wet	20.0		93.5	70-130			
Bromomethane	21.5	ug/kg wet	20.0		108	70-130			
2-Butanone (MEK)	20.1	ug/kg wet	20.0		100	70-130			
n-Butylbenzene	19.5	ug/kg wet	20.0		97.5	70-130			
sec-Butylbenzene	21.7	ug/kg wet	20.0		108	70-130			
tert-Butylbenzene	21.2	ug/kg wet	20.0		106	70-130			
Carbon disulfide	16.1	ug/kg wet	20.0		80.5	70-130			
Carbon tetrachloride	17.9	ug/kg wet	20.0		89.5	70-130			
Chlorobenzene	21.0	ug/kg wet	20.0		105	70-130			
Chloroethane	20.7	ug/kg wet	20.0		104	70-130			
Chloroform	18.3	ug/kg wet	20.0		91.5	70-130			
Chloromethane	18.7	ug/kg wet	20.0		93.5	70-130			
2-Chlorotoluene	20.8	ug/kg wet	20.0		104	70-130			
4-Chlorotoluene	20.7	ug/kg wet	20.0		104	70-130			
1,2-Dibromo-3-chloropropane	17.2	ug/kg wet	20.0		86.0	70-130			
Dibromochloromethane	18.0	ug/kg wet	20.0		90.0	70-130			
1,2-Dibromoethane (EDB)	19.5	ug/kg wet	20.0		97.5	70-130			
Dibromomethane	19.6	ug/kg wet	20.0		98.0	70-130			
1,2-Dichlorobenzene	20.4	ug/kg wet	20.0		102	70-130			
1,3-Dichlorobenzene	22.1	ug/kg wet	20.0		110	70-130			
1,4-Dichlorobenzene	20.5	ug/kg wet	20.0		102	70-130			
Dichlorodifluoromethane (Freon12)	18.5	ug/kg wet	20.0		92.5	70-130			
1,1-Dichloroethane	18.9	ug/kg wet	20.0		94.5	70-130			
1,2-Dichloroethane	18.0	ug/kg wet	20.0		90.0	70-130			
1,1-Dichloroethene	21.6	ug/kg wet	20.0		108	70-130			
cis-1,2-Dichloroethene	19.8	ug/kg wet	20.0		99.0	70-130			
trans-1,2-Dichloroethene	18.9	ug/kg wet	20.0		94.5	70-130			
1,2-Dichloropropane	19.8	ug/kg wet	20.0		99.0	70-130			
1,3-Dichloropropane	18.9	ug/kg wet	20.0		94.5	70-130			
2,2-Dichloropropane	18.4	ug/kg wet	20.0		92.0	70-130			
1,1-Dichloropropene	18.4	ug/kg wet	20.0		92.0	70-130			

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### Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>LCS (5020035-BS1)</b>					<b>Prepared &amp; Analyzed: 01-Feb-05</b>				
cis-1,3-Dichloropropene	18.9	ug/kg wet	20.0		94.5	70-130			
trans-1,3-Dichloropropene	18.9	ug/kg wet	20.0		94.5	70-130			
Ethylbenzene	20.1	ug/kg wet	20.0		100	70-130			
Hexachlorobutadiene	19.1	ug/kg wet	20.0		95.5	70-130			
2-Hexanone (MBK)	16.4	ug/kg wet	20.0		82.0	70-130			
Isopropylbenzene	21.7	ug/kg wet	20.0		108	70-130			
4-Isopropyltoluene	20.2	ug/kg wet	20.0		101	70-130			
Methyl tert-butyl ether	17.1	ug/kg wet	20.0		85.5	70-130			
4-Methyl-2-pentanone (MIBK)	15.9	ug/kg wet	20.0		79.5	70-130			
Methylene chloride	17.1	ug/kg wet	20.0		85.5	70-130			
Naphthalene	19.5	ug/kg wet	20.0		97.5	70-130			
n-Propylbenzene	21.1	ug/kg wet	20.0		106	70-130			
Styrene	21.0	ug/kg wet	20.0		105	70-130			
1,1,1,2-Tetrachloroethane	20.3	ug/kg wet	20.0		102	70-130			
1,1,2,2-Tetrachloroethane	19.2	ug/kg wet	20.0		96.0	70-130			
Tetrachloroethene	19.8	ug/kg wet	20.0		99.0	70-130			
Toluene	19.1	ug/kg wet	20.0		95.5	70-130			
1,2,3-Trichlorobenzene	19.2	ug/kg wet	20.0		96.0	70-130			
1,2,4-Trichlorobenzene	19.0	ug/kg wet	20.0		95.0	70-130			
1,1,1-Trichloroethane	18.4	ug/kg wet	20.0		92.0	70-130			
1,1,2-Trichloroethane	19.4	ug/kg wet	20.0		97.0	70-130			
Trichloroethene	19.5	ug/kg wet	20.0		97.5	70-130			
Trichlorofluoromethane (Freon 11)	18.9	ug/kg wet	20.0		94.5	70-130			
1,2,3-Trichloropropane	18.6	ug/kg wet	20.0		93.0	70-130			
1,2,4-Trimethylbenzene	20.6	ug/kg wet	20.0		103	70-130			
1,3,5-Trimethylbenzene	20.8	ug/kg wet	20.0		104	70-130			
Vinyl chloride	19.5	ug/kg wet	20.0		97.5	70-130			
m,p-Xylene	41.0	ug/kg wet	40.0		102	70-130			
o-Xylene	21.3	ug/kg wet	20.0		106	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	52.9	ug/kg wet	50.0		106	70-130			
<i>Surrogate: Toluene-d8</i>	48.7	ug/kg wet	50.0		97.4	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	45.1	ug/kg wet	50.0		90.2	70-130			
<i>Surrogate: Dibromofluoromethane</i>	48.4	ug/kg wet	50.0		96.8	70-130			
<b>LCS Dup (5020035-BSD1)</b>					<b>Prepared &amp; Analyzed: 01-Feb-05</b>				
Acetone	31.1	ug/kg wet	20.0		156	70-130	5.00	50	QC-1
Acrylonitrile	15.5	ug/kg wet	20.0		77.5	70-130	3.17	25	
Benzene	16.7	ug/kg wet	20.0		83.5	70-130	9.69	25	
Bromobenzene	18.9	ug/kg wet	20.0		94.5	70-130	9.57	25	
Bromochloromethane	17.9	ug/kg wet	20.0		89.5	70-130	4.37	25	
Bromodichloromethane	17.3	ug/kg wet	20.0		86.5	70-130	10.4	25	
Bromoform	18.1	ug/kg wet	20.0		90.5	70-130	3.26	25	
Bromomethane	17.9	ug/kg wet	20.0		89.5	70-130	18.7	50	
2-Butanone (MEK)	19.7	ug/kg wet	20.0		98.5	70-130	1.51	50	
n-Butylbenzene	18.0	ug/kg wet	20.0		90.0	70-130	8.00	25	
sec-Butylbenzene	19.4	ug/kg wet	20.0		97.0	70-130	10.7	25	
tert-Butylbenzene	18.9	ug/kg wet	20.0		94.5	70-130	11.5	25	
Carbon disulfide	14.3	ug/kg wet	20.0		71.5	70-130	11.8	25	
Carbon tetrachloride	16.6	ug/kg wet	20.0		83.0	70-130	7.54	25	
Chlorobenzene	19.0	ug/kg wet	20.0		95.0	70-130	10.0	25	
Chloroethane	17.4	ug/kg wet	20.0		87.0	70-130	17.8	50	
Chloroform	16.5	ug/kg wet	20.0		82.5	70-130	10.3	25	
Chloromethane	15.6	ug/kg wet	20.0		78.0	70-130	18.1	25	
2-Chlorotoluene	18.8	ug/kg wet	20.0		94.0	70-130	10.1	25	
4-Chlorotoluene	18.6	ug/kg wet	20.0		93.0	70-130	11.2	25	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>LCS Dup (5020035-BSD1)</b>			Prepared & Analyzed: 01-Feb-05						
1,2-Dibromo-3-chloropropane	17.7	ug/kg wet	20.0		88.5	70-130	2.87	25	
Dibromochloromethane	17.0	ug/kg wet	20.0		85.0	70-130	5.71	50	
1,2-Dibromoethane (EDB)	19.1	ug/kg wet	20.0		95.5	70-130	2.07	25	
Dibromomethane	18.0	ug/kg wet	20.0		90.0	70-130	8.51	25	
1,2-Dichlorobenzene	18.5	ug/kg wet	20.0		92.5	70-130	9.77	25	
1,3-Dichlorobenzene	19.6	ug/kg wet	20.0		98.0	70-130	11.5	25	
1,4-Dichlorobenzene	18.8	ug/kg wet	20.0		94.0	70-130	8.16	25	
Dichlorodifluoromethane (Freon12)	16.9	ug/kg wet	20.0		84.5	70-130	9.04	50	
1,1-Dichloroethane	16.9	ug/kg wet	20.0		84.5	70-130	11.2	25	
1,2-Dichloroethane	17.0	ug/kg wet	20.0		85.0	70-130	5.71	25	
1,1-Dichloroethene	19.4	ug/kg wet	20.0		97.0	70-130	10.7	25	
cis-1,2-Dichloroethene	18.1	ug/kg wet	20.0		90.5	70-130	8.97	25	
trans-1,2-Dichloroethene	16.8	ug/kg wet	20.0		84.0	70-130	11.8	25	
1,2-Dichloropropane	17.8	ug/kg wet	20.0		89.0	70-130	10.6	25	
1,3-Dichloropropane	17.6	ug/kg wet	20.0		88.0	70-130	7.12	25	
2,2-Dichloropropane	16.3	ug/kg wet	20.0		81.5	70-130	12.1	25	
1,1-Dichloropropene	16.6	ug/kg wet	20.0		83.0	70-130	10.3	25	
cis-1,3-Dichloropropene	17.3	ug/kg wet	20.0		86.5	70-130	8.84	25	
trans-1,3-Dichloropropene	17.5	ug/kg wet	20.0		87.5	70-130	7.69	25	
Ethylbenzene	18.5	ug/kg wet	20.0		92.5	70-130	7.79	25	
Hexachlorobutadiene	17.7	ug/kg wet	20.0		88.5	70-130	7.61	50	
2-Hexanone (MBK)	16.0	ug/kg wet	20.0		80.0	70-130	2.47	25	
Isopropylbenzene	19.6	ug/kg wet	20.0		98.0	70-130	9.71	25	
4-Isopropyltoluene	18.4	ug/kg wet	20.0		92.0	70-130	9.33	25	
Methyl tert-butyl ether	16.8	ug/kg wet	20.0		84.0	70-130	1.77	25	
4-Methyl-2-pentanone (MIBK)	16.4	ug/kg wet	20.0		82.0	70-130	3.10	50	
Methylene chloride	15.4	ug/kg wet	20.0		77.0	70-130	10.5	25	
Naphthalene	19.2	ug/kg wet	20.0		96.0	70-130	1.55	25	
n-Propylbenzene	19.0	ug/kg wet	20.0		95.0	70-130	10.9	25	
Styrene	18.9	ug/kg wet	20.0		94.5	70-130	10.5	25	
1,1,1,2-Tetrachloroethane	18.6	ug/kg wet	20.0		93.0	70-130	9.23	25	
1,1,2,2-Tetrachloroethane	18.6	ug/kg wet	20.0		93.0	70-130	3.17	25	
Tetrachloroethene	17.8	ug/kg wet	20.0		89.0	70-130	10.6	25	
Toluene	17.2	ug/kg wet	20.0		86.0	70-130	10.5	25	
1,2,3-Trichlorobenzene	18.8	ug/kg wet	20.0		94.0	70-130	2.11	25	
1,2,4-Trichlorobenzene	18.1	ug/kg wet	20.0		90.5	70-130	4.85	25	
1,1,1-Trichloroethane	16.6	ug/kg wet	20.0		83.0	70-130	10.3	25	
1,1,2-Trichloroethane	18.3	ug/kg wet	20.0		91.5	70-130	5.84	25	
Trichloroethene	18.0	ug/kg wet	20.0		90.0	70-130	8.00	25	
Trichlorofluoromethane (Freon 11)	18.0	ug/kg wet	20.0		90.0	70-130	4.88	50	
1,2,3-Trichloropropane	18.7	ug/kg wet	20.0		93.5	70-130	0.536	25	
1,2,4-Trimethylbenzene	18.2	ug/kg wet	20.0		91.0	70-130	12.4	25	
1,3,5-Trimethylbenzene	18.4	ug/kg wet	20.0		92.0	70-130	12.2	25	
Vinyl chloride	14.6	ug/kg wet	20.0		73.0	70-130	28.7	25	QR-02
m,p-Xylene	36.9	ug/kg wet	40.0		92.2	70-130	10.1	25	
o-Xylene	19.3	ug/kg wet	20.0		96.5	70-130	9.38	25	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>52.1</i>	<i>ug/kg wet</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.6</i>	<i>ug/kg wet</i>	<i>50.0</i>		<i>97.2</i>	<i>70-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>46.1</i>	<i>ug/kg wet</i>	<i>50.0</i>		<i>92.2</i>	<i>70-130</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>48.0</i>	<i>ug/kg wet</i>	<i>50.0</i>		<i>96.0</i>	<i>70-130</i>			
<b>Matrix Spike (5020035-MS1)</b>			Source: SA23477-03		Prepared & Analyzed: 01-Feb-05				
Benzene	21.6	ug/kg dry	20.0	BRL	108	70-130			
Chlorobenzene	24.4	ug/kg dry	20.0	BRL	122	70-130			
1,1-Dichloroethene	28.4	ug/kg dry	20.0	BRL	142	70-130			QM-07

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**Volatile Organic Compounds - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020035 - SW846 5030 Soil (high level)</b>									
<b>Matrix Spike (5020035-MS1)</b>		Source: SA23477-03		Prepared & Analyzed: 01-Feb-05					
Toluene	22.8	ug/kg dry	20.0	BRL	114	70-130			
Trichloroethene	22.6	ug/kg dry	20.0	BRL	113	70-130			
Surrogate: 4-Bromofluorobenzene	53.7	ug/kg dry	50.0		107	70-130			
Surrogate: Toluene-d8	48.6	ug/kg dry	50.0		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	47.3	ug/kg dry	50.0		94.6	70-130			
Surrogate: Dibromofluoromethane	48.4	ug/kg dry	50.0		96.8	70-130			
<b>Matrix Spike Dup (5020035-MSD1)</b>		Source: SA23477-03		Prepared & Analyzed: 01-Feb-05					
Benzene	20.4	ug/kg dry	20.0	BRL	102	70-130	5.71	30	
Chlorobenzene	23.1	ug/kg dry	20.0	BRL	116	70-130	5.04	30	
1,1-Dichloroethene	27.1	ug/kg dry	20.0	BRL	136	70-130	4.32	30	QM-07
Toluene	21.2	ug/kg dry	20.0	BRL	106	70-130	7.27	30	
Trichloroethene	21.7	ug/kg dry	20.0	BRL	108	70-130	4.52	30	
Surrogate: 4-Bromofluorobenzene	52.7	ug/kg dry	50.0		105	70-130			
Surrogate: Toluene-d8	48.6	ug/kg dry	50.0		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	46.7	ug/kg dry	50.0		93.4	70-130			
Surrogate: Dibromofluoromethane	47.1	ug/kg dry	50.0		94.2	70-130			
<b>Batch 5020053 - SW846 5035A Soil (low level)</b>									
<b>Blank (5020053-BLK1)</b>		Prepared & Analyzed: 01-Feb-05							
Acetone	BRL	100 ug/kg wet							
Acrylonitrile	BRL	5.0 ug/kg wet							
Benzene	BRL	5.0 ug/kg wet							
Bromobenzene	BRL	5.0 ug/kg wet							
Bromochloromethane	BRL	5.0 ug/kg wet							
Bromodichloromethane	BRL	5.0 ug/kg wet							
Bromoform	BRL	5.0 ug/kg wet							
Bromomethane	BRL	10.0 ug/kg wet							
2-Butanone (MEK)	BRL	50.0 ug/kg wet							
n-Butylbenzene	BRL	5.0 ug/kg wet							
sec-Butylbenzene	BRL	5.0 ug/kg wet							
tert-Butylbenzene	BRL	5.0 ug/kg wet							
Carbon disulfide	BRL	25.0 ug/kg wet							
Carbon tetrachloride	BRL	5.0 ug/kg wet							
Chlorobenzene	BRL	5.0 ug/kg wet							
Chloroethane	BRL	10.0 ug/kg wet							
Chloroform	BRL	5.0 ug/kg wet							
Chloromethane	BRL	10.0 ug/kg wet							
2-Chlorotoluene	BRL	5.0 ug/kg wet							
4-Chlorotoluene	BRL	5.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0 ug/kg wet							
Dibromochloromethane	BRL	5.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0 ug/kg wet							
Dibromomethane	BRL	5.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	5.0 ug/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	10.0 ug/kg wet							
1,1-Dichloroethane	BRL	5.0 ug/kg wet							
1,2-Dichloroethane	BRL	5.0 ug/kg wet							
1,1-Dichloroethene	BRL	5.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
1,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,3-Dichloropropane	BRL	5.0 ug/kg wet							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020053 - SW846 5035A Soil (low level)</b>									
<b>Blank (5020053-BLK1)</b>					Prepared & Analyzed: 01-Feb-05				
2,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,1-Dichloropropene	BRL	5.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
Ethylbenzene	BRL	5.0 ug/kg wet							
Hexachlorobutadiene	BRL	5.0 ug/kg wet							
2-Hexanone (MBK)	BRL	50.0 ug/kg wet							
Isopropylbenzene	BRL	5.0 ug/kg wet							
4-Isopropyltoluene	BRL	5.0 ug/kg wet							
Methyl tert-butyl ether	BRL	5.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0 ug/kg wet							
Methylene chloride	BRL	50.0 ug/kg wet							
Naphthalene	BRL	5.0 ug/kg wet							
n-Propylbenzene	BRL	5.0 ug/kg wet							
Styrene	BRL	5.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
Tetrachloroethene	BRL	5.0 ug/kg wet							
Toluene	BRL	5.0 ug/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0 ug/kg wet							
Trichloroethene	BRL	5.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0 ug/kg wet							
Vinyl chloride	BRL	5.0 ug/kg wet							
m,p-Xylene	BRL	10.0 ug/kg wet							
o-Xylene	BRL	5.0 ug/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	48.2	ug/kg wet	50.0		96.4	70-130			
<i>Surrogate: Toluene-d8</i>	47.9	ug/kg wet	50.0		95.8	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.2	ug/kg wet	50.0		100	70-130			
<i>Surrogate: Dibromofluoromethane</i>	45.9	ug/kg wet	50.0		91.8	70-130			
<b>LCS (5020053-BS1)</b>					Prepared & Analyzed: 01-Feb-05				
Acetone	21.7	ug/kg wet	20.0		108	70-130			
Acrylonitrile	17.7	ug/kg wet	20.0		88.5	70-130			
Benzene	17.5	ug/kg wet	20.0		87.5	70-130			
Bromobenzene	18.1	ug/kg wet	20.0		90.5	70-130			
Bromochloromethane	17.0	ug/kg wet	20.0		85.0	70-130			
Bromodichloromethane	17.3	ug/kg wet	20.0		86.5	70-130			
Bromoform	14.7	ug/kg wet	20.0		73.5	70-130			
Bromomethane	19.7	ug/kg wet	20.0		98.5	70-130			
2-Butanone (MEK)	14.0	ug/kg wet	20.0		70.0	70-130			
n-Butylbenzene	19.7	ug/kg wet	20.0		98.5	70-130			
sec-Butylbenzene	18.7	ug/kg wet	20.0		93.5	70-130			
tert-Butylbenzene	18.2	ug/kg wet	20.0		91.0	70-130			
Carbon disulfide	15.8	ug/kg wet	20.0		79.0	70-130			
Carbon tetrachloride	16.8	ug/kg wet	20.0		84.0	70-130			
Chlorobenzene	18.2	ug/kg wet	20.0		91.0	70-130			
Chloroethane	17.5	ug/kg wet	20.0		87.5	70-130			
Chloroform	16.7	ug/kg wet	20.0		83.5	70-130			
Chloromethane	16.2	ug/kg wet	20.0		81.0	70-130			

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**Volatile Organic Compounds - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020053 - SW846 5035A Soil (low level)</b>									
<b>LCS (5020053-BS1)</b>					Prepared & Analyzed: 01-Feb-05				
2-Chlorotoluene	18.3	ug/kg wet	20.0		91.5	70-130			
4-Chlorotoluene	19.0	ug/kg wet	20.0		95.0	70-130			
1,2-Dibromo-3-chloropropane	15.3	ug/kg wet	20.0		76.5	70-130			
Dibromochloromethane	16.4	ug/kg wet	20.0		82.0	70-130			
1,2-Dibromoethane (EDB)	17.2	ug/kg wet	20.0		86.0	70-130			
Dibromomethane	17.3	ug/kg wet	20.0		86.5	70-130			
1,2-Dichlorobenzene	19.1	ug/kg wet	20.0		95.5	70-130			
1,3-Dichlorobenzene	19.3	ug/kg wet	20.0		96.5	70-130			
1,4-Dichlorobenzene	19.2	ug/kg wet	20.0		96.0	70-130			
Dichlorodifluoromethane (Freon12)	18.2	ug/kg wet	20.0		91.0	70-130			
1,1-Dichloroethane	17.6	ug/kg wet	20.0		88.0	70-130			
1,2-Dichloroethane	17.5	ug/kg wet	20.0		87.5	70-130			
1,1-Dichloroethene	16.6	ug/kg wet	20.0		83.0	70-130			
cis-1,2-Dichloroethene	17.2	ug/kg wet	20.0		86.0	70-130			
trans-1,2-Dichloroethene	16.6	ug/kg wet	20.0		83.0	70-130			
1,2-Dichloropropane	17.6	ug/kg wet	20.0		88.0	70-130			
1,3-Dichloropropane	17.4	ug/kg wet	20.0		87.0	70-130			
2,2-Dichloropropane	20.0	ug/kg wet	20.0		100	70-130			
1,1-Dichloropropene	17.4	ug/kg wet	20.0		87.0	70-130			
cis-1,3-Dichloropropene	17.8	ug/kg wet	20.0		89.0	70-130			
trans-1,3-Dichloropropene	17.9	ug/kg wet	20.0		89.5	70-130			
Ethylbenzene	18.2	ug/kg wet	20.0		91.0	70-130			
Hexachlorobutadiene	19.8	ug/kg wet	20.0		99.0	70-130			
2-Hexanone (MBK)	17.1	ug/kg wet	20.0		85.5	70-130			
Isopropylbenzene	18.6	ug/kg wet	20.0		93.0	70-130			
4-Isopropyltoluene	19.4	ug/kg wet	20.0		97.0	70-130			
Methyl tert-butyl ether	16.3	ug/kg wet	20.0		81.5	70-130			
4-Methyl-2-pentanone (MIBK)	16.0	ug/kg wet	20.0		80.0	70-130			
Methylene chloride	17.0	ug/kg wet	20.0		85.0	70-130			
Naphthalene	19.6	ug/kg wet	20.0		98.0	70-130			
n-Propylbenzene	18.5	ug/kg wet	20.0		92.5	70-130			
Styrene	18.2	ug/kg wet	20.0		91.0	70-130			
1,1,1,2-Tetrachloroethane	16.8	ug/kg wet	20.0		84.0	70-130			
1,1,2,2-Tetrachloroethane	16.9	ug/kg wet	20.0		84.5	70-130			
Tetrachloroethene	18.0	ug/kg wet	20.0		90.0	70-130			
Toluene	17.4	ug/kg wet	20.0		87.0	70-130			
1,2,3-Trichlorobenzene	19.3	ug/kg wet	20.0		96.5	70-130			
1,2,4-Trichlorobenzene	19.5	ug/kg wet	20.0		97.5	70-130			
1,1,1-Trichloroethane	17.3	ug/kg wet	20.0		86.5	70-130			
1,1,2-Trichloroethane	17.9	ug/kg wet	20.0		89.5	70-130			
Trichloroethene	17.2	ug/kg wet	20.0		86.0	70-130			
Trichlorofluoromethane (Freon 11)	18.0	ug/kg wet	20.0		90.0	70-130			
1,2,3-Trichloropropane	17.1	ug/kg wet	20.0		85.5	70-130			
1,2,4-Trimethylbenzene	19.2	ug/kg wet	20.0		96.0	70-130			
1,3,5-Trimethylbenzene	18.5	ug/kg wet	20.0		92.5	70-130			
Vinyl chloride	18.0	ug/kg wet	20.0		90.0	70-130			
m,p-Xylene	36.1	ug/kg wet	40.0		90.2	70-130			
o-Xylene	18.2	ug/kg wet	20.0		91.0	70-130			
Surrogate: 4-Bromofluorobenzene	48.8	ug/kg wet	50.0		97.6	70-130			
Surrogate: Toluene-d8	50.0	ug/kg wet	50.0		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	48.7	ug/kg wet	50.0		97.4	70-130			
Surrogate: Dibromofluoromethane	48.5	ug/kg wet	50.0		97.0	70-130			
<b>LCS Dup (5020053-BSD1)</b>					Prepared & Analyzed: 01-Feb-05				
Acetone	21.2	ug/kg wet	20.0		106	70-130	1.87	50	

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### Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020053 - SW846 5035A Soil (low level)</b>									
<b>LCS Dup (5020053-BSD1)</b>			Prepared & Analyzed: 01-Feb-05						
Acrylonitrile	16.8	ug/kg wet	20.0		84.0	70-130	5.22	25	
Benzene	17.7	ug/kg wet	20.0		88.5	70-130	1.14	25	
Bromobenzene	17.2	ug/kg wet	20.0		86.0	70-130	5.10	25	
Bromochloromethane	17.5	ug/kg wet	20.0		87.5	70-130	2.90	25	
Bromodichloromethane	18.1	ug/kg wet	20.0		90.5	70-130	4.52	25	
Bromoform	14.7	ug/kg wet	20.0		73.5	70-130	0.00	25	
Bromomethane	20.0	ug/kg wet	20.0		100	70-130	1.51	50	
2-Butanone (MEK)	15.1	ug/kg wet	20.0		75.5	70-130	7.56	50	
n-Butylbenzene	18.2	ug/kg wet	20.0		91.0	70-130	7.92	25	
sec-Butylbenzene	17.4	ug/kg wet	20.0		87.0	70-130	7.20	25	
tert-Butylbenzene	17.2	ug/kg wet	20.0		86.0	70-130	5.65	25	
Carbon disulfide	15.8	ug/kg wet	20.0		79.0	70-130	0.00	25	
Carbon tetrachloride	17.2	ug/kg wet	20.0		86.0	70-130	2.35	25	
Chlorobenzene	17.2	ug/kg wet	20.0		86.0	70-130	5.65	25	
Chloroethane	17.6	ug/kg wet	20.0		88.0	70-130	0.570	50	
Chloroform	17.0	ug/kg wet	20.0		85.0	70-130	1.78	25	
Chloromethane	16.1	ug/kg wet	20.0		80.5	70-130	0.619	25	
2-Chlorotoluene	17.4	ug/kg wet	20.0		87.0	70-130	5.04	25	
4-Chlorotoluene	17.9	ug/kg wet	20.0		89.5	70-130	5.96	25	
1,2-Dibromo-3-chloropropane	14.7	ug/kg wet	20.0		73.5	70-130	4.00	25	
Dibromochloromethane	17.4	ug/kg wet	20.0		87.0	70-130	5.92	50	
1,2-Dibromoethane (EDB)	17.4	ug/kg wet	20.0		87.0	70-130	1.16	25	
Dibromomethane	17.7	ug/kg wet	20.0		88.5	70-130	2.29	25	
1,2-Dichlorobenzene	17.9	ug/kg wet	20.0		89.5	70-130	6.49	25	
1,3-Dichlorobenzene	18.3	ug/kg wet	20.0		91.5	70-130	5.32	25	
1,4-Dichlorobenzene	18.0	ug/kg wet	20.0		90.0	70-130	6.45	25	
Dichlorodifluoromethane (Freon12)	18.1	ug/kg wet	20.0		90.5	70-130	0.551	50	
1,1-Dichloroethane	17.7	ug/kg wet	20.0		88.5	70-130	0.567	25	
1,2-Dichloroethane	17.8	ug/kg wet	20.0		89.0	70-130	1.70	25	
1,1-Dichloroethene	16.7	ug/kg wet	20.0		83.5	70-130	0.601	25	
cis-1,2-Dichloroethene	17.3	ug/kg wet	20.0		86.5	70-130	0.580	25	
trans-1,2-Dichloroethene	16.6	ug/kg wet	20.0		83.0	70-130	0.00	25	
1,2-Dichloropropane	18.0	ug/kg wet	20.0		90.0	70-130	2.25	25	
1,3-Dichloropropane	17.9	ug/kg wet	20.0		89.5	70-130	2.83	25	
2,2-Dichloropropane	20.1	ug/kg wet	20.0		100	70-130	0.00	25	
1,1-Dichloropropene	17.3	ug/kg wet	20.0		86.5	70-130	0.576	25	
cis-1,3-Dichloropropene	18.3	ug/kg wet	20.0		91.5	70-130	2.77	25	
trans-1,3-Dichloropropene	18.3	ug/kg wet	20.0		91.5	70-130	2.21	25	
Ethylbenzene	17.1	ug/kg wet	20.0		85.5	70-130	6.23	25	
Hexachlorobutadiene	18.2	ug/kg wet	20.0		91.0	70-130	8.42	50	
2-Hexanone (MBK)	16.1	ug/kg wet	20.0		80.5	70-130	6.02	25	
Isopropylbenzene	17.7	ug/kg wet	20.0		88.5	70-130	4.96	25	
4-Isopropyltoluene	18.1	ug/kg wet	20.0		90.5	70-130	6.93	25	
Methyl tert-butyl ether	16.8	ug/kg wet	20.0		84.0	70-130	3.02	25	
4-Methyl-2-pentanone (MIBK)	15.8	ug/kg wet	20.0		79.0	70-130	1.26	50	
Methylene chloride	17.2	ug/kg wet	20.0		86.0	70-130	1.17	25	
Naphthalene	17.4	ug/kg wet	20.0		87.0	70-130	11.9	25	
n-Propylbenzene	17.1	ug/kg wet	20.0		85.5	70-130	7.87	25	
Styrene	17.4	ug/kg wet	20.0		87.0	70-130	4.49	25	
1,1,1,2-Tetrachloroethane	17.6	ug/kg wet	20.0		88.0	70-130	4.65	25	
1,1,2,2-Tetrachloroethane	16.2	ug/kg wet	20.0		81.0	70-130	4.23	25	
Tetrachloroethene	17.9	ug/kg wet	20.0		89.5	70-130	0.557	25	
Toluene	17.6	ug/kg wet	20.0		88.0	70-130	1.14	25	
1,2,3-Trichlorobenzene	18.0	ug/kg wet	20.0		90.0	70-130	6.97	25	

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020053 - SW846 5035A Soil (low level)</b>									
<b>LCS Dup (5020053-bsd1)</b>			Prepared & Analyzed: 01-Feb-05						
1,2,4-Trichlorobenzene	18.4	ug/kg wet	20.0		92.0	70-130	5.80	25	
1,1,1-Trichloroethane	17.3	ug/kg wet	20.0		86.5	70-130	0.00	25	
1,1,2-Trichloroethane	18.4	ug/kg wet	20.0		92.0	70-130	2.75	25	
Trichloroethene	17.2	ug/kg wet	20.0		86.0	70-130	0.00	25	
Trichlorofluoromethane (Freon 11)	17.9	ug/kg wet	20.0		89.5	70-130	0.557	50	
1,2,3-Trichloropropane	16.2	ug/kg wet	20.0		81.0	70-130	5.41	25	
1,2,4-Trimethylbenzene	18.1	ug/kg wet	20.0		90.5	70-130	5.90	25	
1,3,5-Trimethylbenzene	17.5	ug/kg wet	20.0		87.5	70-130	5.56	25	
Vinyl chloride	18.0	ug/kg wet	20.0		90.0	70-130	0.00	25	
m,p-Xylene	34.2	ug/kg wet	40.0		85.5	70-130	5.35	25	
o-Xylene	17.4	ug/kg wet	20.0		87.0	70-130	4.49	25	
<i>Surrogate: 4-Bromofluorobenzene</i>	49.6	ug/kg wet	50.0		99.2	70-130			
<i>Surrogate: Toluene-d8</i>	51.0	ug/kg wet	50.0		102	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.8	ug/kg wet	50.0		104	70-130			
<i>Surrogate: Dibromofluoromethane</i>	51.0	ug/kg wet	50.0		102	70-130			
<b>Batch 5020054 - SW846 5035A Soil (low level)</b>									
<b>Blank (5020054-BLK1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Acetone	BRL	100 ug/kg wet							
Acrylonitrile	BRL	5.0 ug/kg wet							
Benzene	BRL	5.0 ug/kg wet							
Bromobenzene	BRL	5.0 ug/kg wet							
Bromochloromethane	BRL	5.0 ug/kg wet							
Bromodichloromethane	BRL	5.0 ug/kg wet							
Bromoform	BRL	5.0 ug/kg wet							
Bromomethane	BRL	10.0 ug/kg wet							
2-Butanone (MEK)	BRL	50.0 ug/kg wet							
n-Butylbenzene	BRL	5.0 ug/kg wet							
sec-Butylbenzene	BRL	5.0 ug/kg wet							
tert-Butylbenzene	BRL	5.0 ug/kg wet							
Carbon disulfide	BRL	25.0 ug/kg wet							
Carbon tetrachloride	BRL	5.0 ug/kg wet							
Chlorobenzene	BRL	5.0 ug/kg wet							
Chloroethane	BRL	10.0 ug/kg wet							
Chloroform	BRL	5.0 ug/kg wet							
Chloromethane	BRL	10.0 ug/kg wet							
2-Chlorotoluene	BRL	5.0 ug/kg wet							
4-Chlorotoluene	BRL	5.0 ug/kg wet							
1,2-Dibromo-3-chloropropane	BRL	10.0 ug/kg wet							
Dibromochloromethane	BRL	5.0 ug/kg wet							
1,2-Dibromoethane (EDB)	BRL	5.0 ug/kg wet							
Dibromomethane	BRL	5.0 ug/kg wet							
1,2-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,3-Dichlorobenzene	BRL	5.0 ug/kg wet							
1,4-Dichlorobenzene	BRL	5.0 ug/kg wet							
Dichlorodifluoromethane (Freon 12)	BRL	10.0 ug/kg wet							
1,1-Dichloroethane	BRL	5.0 ug/kg wet							
1,2-Dichloroethane	BRL	5.0 ug/kg wet							
1,1-Dichloroethene	BRL	5.0 ug/kg wet							
cis-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
trans-1,2-Dichloroethene	BRL	5.0 ug/kg wet							
1,2-Dichloropropane	BRL	5.0 ug/kg wet							
1,3-Dichloropropane	BRL	5.0 ug/kg wet							
2,2-Dichloropropane	BRL	5.0 ug/kg wet							

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**Volatile Organic Compounds - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020054 - SW846 5035A Soil (low level)</b>									
<b>Blank (5020054-BLK1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
1,1-Dichloropropene	BRL	5.0 ug/kg wet							
cis-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
trans-1,3-Dichloropropene	BRL	5.0 ug/kg wet							
Ethylbenzene	BRL	5.0 ug/kg wet							
Hexachlorobutadiene	BRL	5.0 ug/kg wet							
2-Hexanone (MBK)	BRL	50.0 ug/kg wet							
Isopropylbenzene	BRL	5.0 ug/kg wet							
4-Isopropyltoluene	BRL	5.0 ug/kg wet							
Methyl tert-butyl ether	BRL	5.0 ug/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	50.0 ug/kg wet							
Methylene chloride	BRL	50.0 ug/kg wet							
Naphthalene	BRL	5.0 ug/kg wet							
n-Propylbenzene	BRL	5.0 ug/kg wet							
Styrene	BRL	5.0 ug/kg wet							
1,1,1,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
1,1,2,2-Tetrachloroethane	BRL	5.0 ug/kg wet							
Tetrachloroethene	BRL	5.0 ug/kg wet							
Toluene	BRL	5.0 ug/kg wet							
1,2,3-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,2,4-Trichlorobenzene	BRL	5.0 ug/kg wet							
1,1,1-Trichloroethane	BRL	5.0 ug/kg wet							
1,1,2-Trichloroethane	BRL	5.0 ug/kg wet							
Trichloroethene	BRL	5.0 ug/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	5.0 ug/kg wet							
1,2,3-Trichloropropane	BRL	5.0 ug/kg wet							
1,2,4-Trimethylbenzene	BRL	5.0 ug/kg wet							
1,3,5-Trimethylbenzene	BRL	5.0 ug/kg wet							
Vinyl chloride	BRL	5.0 ug/kg wet							
m,p-Xylene	BRL	10.0 ug/kg wet							
o-Xylene	BRL	5.0 ug/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	47.8	ug/kg wet	50.0		95.6	70-130			
<i>Surrogate: Toluene-d8</i>	47.5	ug/kg wet	50.0		95.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.2	ug/kg wet	50.0		98.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	46.6	ug/kg wet	50.0		93.2	70-130			
<b>LCS (5020054-BS1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Acetone	31.6	ug/kg wet	20.0		158	70-130			QC-1
Acrylonitrile	26.3	ug/kg wet	20.0		132	70-130			QC-1
Benzene	21.6	ug/kg wet	20.0		108	70-130			
Bromobenzene	22.0	ug/kg wet	20.0		110	70-130			
Bromochloromethane	22.1	ug/kg wet	20.0		110	70-130			
Bromodichloromethane	21.3	ug/kg wet	20.0		106	70-130			
Bromoform	19.7	ug/kg wet	20.0		98.5	70-130			
Bromomethane	18.1	ug/kg wet	20.0		90.5	70-130			
2-Butanone (MEK)	23.3	ug/kg wet	20.0		116	70-130			
n-Butylbenzene	22.4	ug/kg wet	20.0		112	70-130			
sec-Butylbenzene	22.5	ug/kg wet	20.0		112	70-130			
tert-Butylbenzene	22.1	ug/kg wet	20.0		110	70-130			
Carbon disulfide	19.3	ug/kg wet	20.0		96.5	70-130			
Carbon tetrachloride	21.1	ug/kg wet	20.0		106	70-130			
Chlorobenzene	21.8	ug/kg wet	20.0		109	70-130			
Chloroethane	21.6	ug/kg wet	20.0		108	70-130			
Chloroform	20.5	ug/kg wet	20.0		102	70-130			
Chloromethane	19.4	ug/kg wet	20.0		97.0	70-130			
2-Chlorotoluene	22.3	ug/kg wet	20.0		112	70-130			

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020054 - SW846 5035A Soil (low level)</b>									
<b>LCS (5020054-BS1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
4-Chlorotoluene	21.8	ug/kg wet	20.0		109	70-130			
1,2-Dibromo-3-chloropropane	22.0	ug/kg wet	20.0		110	70-130			
Dibromochloromethane	21.6	ug/kg wet	20.0		108	70-130			
1,2-Dibromoethane (EDB)	22.9	ug/kg wet	20.0		114	70-130			
Dibromomethane	22.3	ug/kg wet	20.0		112	70-130			
1,2-Dichlorobenzene	22.3	ug/kg wet	20.0		112	70-130			
1,3-Dichlorobenzene	22.7	ug/kg wet	20.0		114	70-130			
1,4-Dichlorobenzene	21.6	ug/kg wet	20.0		108	70-130			
Dichlorodifluoromethane (Freon12)	22.3	ug/kg wet	20.0		112	70-130			
1,1-Dichloroethane	21.7	ug/kg wet	20.0		108	70-130			
1,2-Dichloroethane	21.9	ug/kg wet	20.0		110	70-130			
1,1-Dichloroethene	20.7	ug/kg wet	20.0		104	70-130			
cis-1,2-Dichloroethene	20.9	ug/kg wet	20.0		104	70-130			
trans-1,2-Dichloroethene	20.4	ug/kg wet	20.0		102	70-130			
1,2-Dichloropropane	21.6	ug/kg wet	20.0		108	70-130			
1,3-Dichloropropane	22.4	ug/kg wet	20.0		112	70-130			
2,2-Dichloropropane	20.6	ug/kg wet	20.0		103	70-130			
1,1-Dichloropropene	21.2	ug/kg wet	20.0		106	70-130			
cis-1,3-Dichloropropene	21.3	ug/kg wet	20.0		106	70-130			
trans-1,3-Dichloropropene	21.2	ug/kg wet	20.0		106	70-130			
Ethylbenzene	21.6	ug/kg wet	20.0		108	70-130			
Hexachlorobutadiene	23.1	ug/kg wet	20.0		116	70-130			
2-Hexanone (MBK)	25.3	ug/kg wet	20.0		126	70-130			
Isopropylbenzene	22.4	ug/kg wet	20.0		112	70-130			
4-Isopropyltoluene	22.5	ug/kg wet	20.0		112	70-130			
Methyl tert-butyl ether	20.7	ug/kg wet	20.0		104	70-130			
4-Methyl-2-pentanone (MIBK)	23.1	ug/kg wet	20.0		116	70-130			
Methylene chloride	20.9	ug/kg wet	20.0		104	70-130			
Naphthalene	24.6	ug/kg wet	20.0		123	70-130			
n-Propylbenzene	21.2	ug/kg wet	20.0		106	70-130			
Styrene	21.6	ug/kg wet	20.0		108	70-130			
1,1,1,2-Tetrachloroethane	21.3	ug/kg wet	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	22.9	ug/kg wet	20.0		114	70-130			
Tetrachloroethene	21.7	ug/kg wet	20.0		108	70-130			
Toluene	21.4	ug/kg wet	20.0		107	70-130			
1,2,3-Trichlorobenzene	22.9	ug/kg wet	20.0		114	70-130			
1,2,4-Trichlorobenzene	22.0	ug/kg wet	20.0		110	70-130			
1,1,1-Trichloroethane	21.1	ug/kg wet	20.0		106	70-130			
1,1,2-Trichloroethane	23.0	ug/kg wet	20.0		115	70-130			
Trichloroethene	20.7	ug/kg wet	20.0		104	70-130			
Trichlorofluoromethane (Freon 11)	22.1	ug/kg wet	20.0		110	70-130			
1,2,3-Trichloropropane	23.4	ug/kg wet	20.0		117	70-130			
1,2,4-Trimethylbenzene	22.8	ug/kg wet	20.0		114	70-130			
1,3,5-Trimethylbenzene	22.1	ug/kg wet	20.0		110	70-130			
Vinyl chloride	21.8	ug/kg wet	20.0		109	70-130			
m,p-Xylene	42.9	ug/kg wet	40.0		107	70-130			
o-Xylene	21.9	ug/kg wet	20.0		110	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	49.6	ug/kg wet	50.0		99.2	70-130			
<i>Surrogate: Toluene-d8</i>	50.1	ug/kg wet	50.0		100	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.6	ug/kg wet	50.0		103	70-130			
<i>Surrogate: Dibromofluoromethane</i>	50.4	ug/kg wet	50.0		101	70-130			
<b>LCS Dup (5020054-BSD1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05						
Acetone	27.2	ug/kg wet	20.0		136	70-130	15.0	50	QC-1
Acrylonitrile	21.6	ug/kg wet	20.0		108	70-130	20.0	25	

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### Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020054 - SW846 5035A Soil (low level)</b>									
<b>LCS Dup (5020054-BSD1)</b>					Prepared: 01-Feb-05 Analyzed: 02-Feb-05				
Benzene	22.5	ug/kg wet	20.0		112	70-130	3.64	25	
Bromobenzene	22.1	ug/kg wet	20.0		110	70-130	0.00	25	
Bromochloromethane	22.4	ug/kg wet	20.0		112	70-130	1.80	25	
Bromodichloromethane	22.1	ug/kg wet	20.0		110	70-130	3.70	25	
Bromoform	18.9	ug/kg wet	20.0		94.5	70-130	4.15	25	
Bromomethane	19.5	ug/kg wet	20.0		97.5	70-130	7.45	50	
2-Butanone (MEK)	18.3	ug/kg wet	20.0		91.5	70-130	23.6	50	
n-Butylbenzene	22.8	ug/kg wet	20.0		114	70-130	1.77	25	
sec-Butylbenzene	22.4	ug/kg wet	20.0		112	70-130	0.00	25	
tert-Butylbenzene	22.2	ug/kg wet	20.0		111	70-130	0.905	25	
Carbon disulfide	20.1	ug/kg wet	20.0		100	70-130	3.56	25	
Carbon tetrachloride	22.2	ug/kg wet	20.0		111	70-130	4.61	25	
Chlorobenzene	22.1	ug/kg wet	20.0		110	70-130	0.913	25	
Chloroethane	22.0	ug/kg wet	20.0		110	70-130	1.83	50	
Chloroform	21.2	ug/kg wet	20.0		106	70-130	3.85	25	
Chloromethane	20.2	ug/kg wet	20.0		101	70-130	4.04	25	
2-Chlorotoluene	21.8	ug/kg wet	20.0		109	70-130	2.71	25	
4-Chlorotoluene	21.8	ug/kg wet	20.0		109	70-130	0.00	25	
1,2-Dibromo-3-chloropropane	18.7	ug/kg wet	20.0		93.5	70-130	16.2	25	
Dibromochloromethane	21.2	ug/kg wet	20.0		106	70-130	1.87	50	
1,2-Dibromoethane (EDB)	21.5	ug/kg wet	20.0		108	70-130	5.41	25	
Dibromomethane	21.9	ug/kg wet	20.0		110	70-130	1.80	25	
1,2-Dichlorobenzene	22.7	ug/kg wet	20.0		114	70-130	1.77	25	
1,3-Dichlorobenzene	22.0	ug/kg wet	20.0		110	70-130	3.57	25	
1,4-Dichlorobenzene	22.1	ug/kg wet	20.0		110	70-130	1.83	25	
Dichlorodifluoromethane (Freon12)	22.9	ug/kg wet	20.0		114	70-130	1.77	50	
1,1-Dichloroethane	22.4	ug/kg wet	20.0		112	70-130	3.64	25	
1,2-Dichloroethane	21.7	ug/kg wet	20.0		108	70-130	1.83	25	
1,1-Dichloroethene	21.5	ug/kg wet	20.0		108	70-130	3.77	25	
cis-1,2-Dichloroethene	21.9	ug/kg wet	20.0		110	70-130	5.61	25	
trans-1,2-Dichloroethene	21.4	ug/kg wet	20.0		107	70-130	4.78	25	
1,2-Dichloropropane	22.4	ug/kg wet	20.0		112	70-130	3.64	25	
1,3-Dichloropropane	22.0	ug/kg wet	20.0		110	70-130	1.80	25	
2,2-Dichloropropane	21.4	ug/kg wet	20.0		107	70-130	3.81	25	
1,1-Dichloropropene	22.0	ug/kg wet	20.0		110	70-130	3.70	25	
cis-1,3-Dichloropropene	21.4	ug/kg wet	20.0		107	70-130	0.939	25	
trans-1,3-Dichloropropene	21.1	ug/kg wet	20.0		106	70-130	0.00	25	
Ethylbenzene	22.0	ug/kg wet	20.0		110	70-130	1.83	25	
Hexachlorobutadiene	23.5	ug/kg wet	20.0		118	70-130	1.71	50	
2-Hexanone (MBK)	19.9	ug/kg wet	20.0		99.5	70-130	23.5	25	
Isopropylbenzene	22.7	ug/kg wet	20.0		114	70-130	1.77	25	
4-Isopropyltoluene	23.3	ug/kg wet	20.0		116	70-130	3.51	25	
Methyl tert-butyl ether	20.2	ug/kg wet	20.0		101	70-130	2.93	25	
4-Methyl-2-pentanone (MIBK)	19.1	ug/kg wet	20.0		95.5	70-130	19.4	50	
Methylene chloride	21.7	ug/kg wet	20.0		108	70-130	3.77	25	
Naphthalene	21.7	ug/kg wet	20.0		108	70-130	13.0	25	
n-Propylbenzene	21.8	ug/kg wet	20.0		109	70-130	2.79	25	
Styrene	21.8	ug/kg wet	20.0		109	70-130	0.922	25	
1,1,1,2-Tetrachloroethane	21.7	ug/kg wet	20.0		108	70-130	1.87	25	
1,1,2,2-Tetrachloroethane	20.6	ug/kg wet	20.0		103	70-130	10.1	25	
Tetrachloroethene	22.2	ug/kg wet	20.0		111	70-130	2.74	25	
Toluene	22.1	ug/kg wet	20.0		110	70-130	2.76	25	
1,2,3-Trichlorobenzene	21.8	ug/kg wet	20.0		109	70-130	4.48	25	
1,2,4-Trichlorobenzene	21.2	ug/kg wet	20.0		106	70-130	3.70	25	

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**Volatile Organic Compounds - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020054 - SW846 5035A Soil (low level)</b>									
<b>LCS Dup (5020054-BSD1)</b>					Prepared: 01-Feb-05 Analyzed: 02-Feb-05				
1,1,1-Trichloroethane	22.4	ug/kg wet	20.0		112	70-130	5.50	25	
1,1,2-Trichloroethane	22.4	ug/kg wet	20.0		112	70-130	2.64	25	
Trichloroethene	21.5	ug/kg wet	20.0		108	70-130	3.77	25	
Trichlorofluoromethane (Freon 11)	22.9	ug/kg wet	20.0		114	70-130	3.57	50	
1,2,3-Trichloropropane	20.8	ug/kg wet	20.0		104	70-130	11.8	25	
1,2,4-Trimethylbenzene	22.7	ug/kg wet	20.0		114	70-130	0.00	25	
1,3,5-Trimethylbenzene	22.0	ug/kg wet	20.0		110	70-130	0.00	25	
Vinyl chloride	22.9	ug/kg wet	20.0		114	70-130	4.48	25	
m,p-Xylene	43.5	ug/kg wet	40.0		109	70-130	1.85	25	
o-Xylene	22.3	ug/kg wet	20.0		112	70-130	1.80	25	
<i>Surrogate: 4-Bromofluorobenzene</i>	48.5	ug/kg wet	50.0		97.0	70-130			
<i>Surrogate: Toluene-d8</i>	50.2	ug/kg wet	50.0		100	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.8	ug/kg wet	50.0		99.6	70-130			
<i>Surrogate: Dibromofluoromethane</i>	50.2	ug/kg wet	50.0		100	70-130			

**Batch 5020126 - Volatiles**

<b>Blank (5020126-BLK1)</b>			Prepared & Analyzed: 02-Feb-05						
Acetone	BRL	20.0 ug/l							
Acrylonitrile	BRL	1.0 ug/l							
Benzene	BRL	1.0 ug/l							
Bromobenzene	BRL	1.0 ug/l							
Bromochloromethane	BRL	1.0 ug/l							
Bromodichloromethane	BRL	1.0 ug/l							
Bromoform	BRL	1.0 ug/l							
Bromomethane	BRL	2.0 ug/l							
2-Butanone (MEK)	BRL	10.0 ug/l							
n-Butylbenzene	BRL	1.0 ug/l							
sec-Butylbenzene	BRL	1.0 ug/l							
tert-Butylbenzene	BRL	1.0 ug/l							
Carbon disulfide	BRL	5.0 ug/l							
Carbon tetrachloride	BRL	1.0 ug/l							
Chlorobenzene	BRL	1.0 ug/l							
Chloroethane	BRL	2.0 ug/l							
Chloroform	BRL	1.0 ug/l							
Chloromethane	BRL	2.0 ug/l							
2-Chlorotoluene	BRL	1.0 ug/l							
4-Chlorotoluene	BRL	1.0 ug/l							
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l							
Dibromochloromethane	BRL	1.0 ug/l							
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l							
Dibromomethane	BRL	1.0 ug/l							
1,2-Dichlorobenzene	BRL	1.0 ug/l							
1,3-Dichlorobenzene	BRL	1.0 ug/l							
1,4-Dichlorobenzene	BRL	1.0 ug/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l							
1,1-Dichloroethane	BRL	1.0 ug/l							
1,2-Dichloroethane	BRL	1.0 ug/l							
1,1-Dichloroethene	BRL	1.0 ug/l							
cis-1,2-Dichloroethene	BRL	1.0 ug/l							
trans-1,2-Dichloroethene	BRL	1.0 ug/l							
1,2-Dichloropropane	BRL	1.0 ug/l							
1,3-Dichloropropane	BRL	1.0 ug/l							
2,2-Dichloropropane	BRL	1.0 ug/l							
1,1-Dichloropropene	BRL	1.0 ug/l							

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**Volatile Organic Compounds - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Flag
<b>Batch 5020126 - Volatiles</b>									
<b>Blank (5020126-BLK1)</b>			Prepared & Analyzed: 02-Feb-05						
cis-1,3-Dichloropropene	BRL	1.0 ug/l							
trans-1,3-Dichloropropene	BRL	1.0 ug/l							
Ethylbenzene	BRL	1.0 ug/l							
Hexachlorobutadiene	BRL	1.0 ug/l							
2-Hexanone (MBK)	BRL	10.0 ug/l							
Isopropylbenzene	BRL	1.0 ug/l							
4-Isopropyltoluene	BRL	1.0 ug/l							
Methyl tert-butyl ether	BRL	1.0 ug/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l							
Methylene chloride	BRL	10.0 ug/l							
Naphthalene	BRL	1.0 ug/l							
n-Propylbenzene	BRL	1.0 ug/l							
Styrene	BRL	1.0 ug/l							
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l							
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l							
Tetrachloroethene	BRL	1.0 ug/l							
Toluene	BRL	1.0 ug/l							
1,2,3-Trichlorobenzene	BRL	1.0 ug/l							
1,2,4-Trichlorobenzene	BRL	1.0 ug/l							
1,1,1-Trichloroethane	BRL	1.0 ug/l							
1,1,2-Trichloroethane	BRL	1.0 ug/l							
Trichloroethene	BRL	1.0 ug/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l							
1,2,3-Trichloropropane	BRL	1.0 ug/l							
1,2,4-Trimethylbenzene	BRL	1.0 ug/l							
1,3,5-Trimethylbenzene	BRL	1.0 ug/l							
Vinyl chloride	BRL	1.0 ug/l							
m,p-Xylene	BRL	2.0 ug/l							
o-Xylene	BRL	1.0 ug/l							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.1	ug/l				70-130			
<i>Surrogate: Toluene-d8</i>	51.4	ug/l				70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.0	ug/l				70-130			
<i>Surrogate: Dibromofluoromethane</i>	50.7	ug/l				70-130			
<b>LCS (5020126-BS1)</b>			Prepared & Analyzed: 02-Feb-05						
Acetone	20.7	ug/l	20.0		104	70-130			
Acrylonitrile	20.8	ug/l	20.0		104	70-130			
Benzene	22.0	ug/l	20.0		110	70-130			
Bromobenzene	20.9	ug/l	20.0		104	70-130			
Bromochloromethane	22.4	ug/l	20.0		112	70-130			
Bromodichloromethane	23.4	ug/l	20.0		117	70-130			
Bromoform	18.3	ug/l	20.0		91.5	70-130			
Bromomethane	27.8	ug/l	20.0		139	70-130			
2-Butanone (MEK)	20.0	ug/l	20.0		100	70-130			QC-1
n-Butylbenzene	21.7	ug/l	20.0		108	70-130			
sec-Butylbenzene	22.7	ug/l	20.0		114	70-130			
tert-Butylbenzene	21.8	ug/l	20.0		109	70-130			
Carbon disulfide	20.8	ug/l	20.0		104	70-130			
Carbon tetrachloride	23.1	ug/l	20.0		116	70-130			
Chlorobenzene	21.5	ug/l	20.0		108	70-130			
Chloroethane	22.9	ug/l	20.0		114	70-130			
Chloroform	21.9	ug/l	20.0		110	70-130			
Chloromethane	22.0	ug/l	20.0		110	70-130			
2-Chlorotoluene	21.2	ug/l	20.0		106	70-130			
4-Chlorotoluene	20.7	ug/l	20.0		104	70-130			

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020126 - Volatiles</b>								
<b>LCS (5020126-BS1)</b>			Prepared & Analyzed: 02-Feb-05					
1,2-Dibromo-3-chloropropane	19.4	ug/l	20.0		97.0	70-130		
Dibromochloromethane	22.7	ug/l	20.0		114	70-130		
1,2-Dibromoethane (EDB)	22.1	ug/l	20.0		110	70-130		
Dibromomethane	21.3	ug/l	20.0		106	70-130		
1,2-Dichlorobenzene	21.5	ug/l	20.0		108	70-130		
1,3-Dichlorobenzene	21.5	ug/l	20.0		108	70-130		
1,4-Dichlorobenzene	21.5	ug/l	20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	22.5	ug/l	20.0		112	70-130		
1,1-Dichloroethane	22.3	ug/l	20.0		112	70-130		
1,2-Dichloroethane	21.6	ug/l	20.0		108	70-130		
1,1-Dichloroethene	22.3	ug/l	20.0		112	70-130		
cis-1,2-Dichloroethene	21.8	ug/l	20.0		109	70-130		
trans-1,2-Dichloroethene	21.9	ug/l	20.0		110	70-130		
1,2-Dichloropropane	22.1	ug/l	20.0		110	70-130		
1,3-Dichloropropane	22.1	ug/l	20.0		110	70-130		
2,2-Dichloropropane	20.9	ug/l	20.0		104	70-130		
1,1-Dichloropropene	22.2	ug/l	20.0		111	70-130		
cis-1,3-Dichloropropene	21.9	ug/l	20.0		110	70-130		
trans-1,3-Dichloropropene	21.8	ug/l	20.0		109	70-130		
Ethylbenzene	21.2	ug/l	20.0		106	70-130		
Hexachlorobutadiene	20.7	ug/l	20.0		104	70-130		
2-Hexanone (MBK)	13.4	ug/l	20.0		67.0	70-130		QC-1
Isopropylbenzene	21.8	ug/l	20.0		109	70-130		
4-Isopropyltoluene	22.8	ug/l	20.0		114	70-130		
Methyl tert-butyl ether	20.3	ug/l	20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	19.1	ug/l	20.0		95.5	70-130		
Methylene chloride	20.7	ug/l	20.0		104	70-130		
Naphthalene	21.4	ug/l	20.0		107	70-130		
n-Propylbenzene	21.8	ug/l	20.0		109	70-130		
Styrene	20.9	ug/l	20.0		104	70-130		
1,1,1,2-Tetrachloroethane	21.4	ug/l	20.0		107	70-130		
1,1,2,2-Tetrachloroethane	20.0	ug/l	20.0		100	70-130		
Tetrachloroethene	22.2	ug/l	20.0		111	70-130		
Toluene	22.0	ug/l	20.0		110	70-130		
1,2,3-Trichlorobenzene	21.2	ug/l	20.0		106	70-130		
1,2,4-Trichlorobenzene	20.4	ug/l	20.0		102	70-130		
1,1,1-Trichloroethane	22.7	ug/l	20.0		114	70-130		
1,1,2-Trichloroethane	22.0	ug/l	20.0		110	70-130		
Trichloroethene	21.8	ug/l	20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	22.3	ug/l	20.0		112	70-130		
1,2,3-Trichloropropane	19.9	ug/l	20.0		99.5	70-130		
1,2,4-Trimethylbenzene	21.3	ug/l	20.0		106	70-130		
1,3,5-Trimethylbenzene	21.2	ug/l	20.0		106	70-130		
Vinyl chloride	29.6	ug/l	20.0		148	70-130		
m,p-Xylene	44.0	ug/l	40.0		110	70-130		QC-1
o-Xylene	21.7	ug/l	20.0		108	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	48.4	ug/l				70-130		
<i>Surrogate: Toluene-d8</i>	51.7	ug/l				70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.4	ug/l				70-130		
<i>Surrogate: Dibromofluoromethane</i>	51.7	ug/l				70-130		
<b>LCS Dup (5020126-BSD1)</b>			Prepared & Analyzed: 02-Feb-05					
Acetone	20.2	ug/l	20.0		101	70-130	2.93	50
Acrylonitrile	20.1	ug/l	20.0		100	70-130	3.92	25
Benzene	21.9	ug/l	20.0		110	70-130	0.00	25

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020126 - Volatiles</b>									
<b>LCS Dup (5020126-BSD1)</b>			Prepared & Analyzed: 02-Feb-05						
Bromobenzene	21.8	ug/l	20.0		109	70-130	4.69	25	
Bromochloromethane	22.0	ug/l	20.0		110	70-130	1.80	25	
Bromodichloromethane	23.4	ug/l	20.0		117	70-130	0.00	25	
Bromoform	18.4	ug/l	20.0		92.0	70-130	0.545	25	
Bromomethane	27.3	ug/l	20.0		136	70-130	2.18	50	QC-1
2-Butanone (MEK)	21.6	ug/l	20.0		108	70-130	7.69	50	
n-Butylbenzene	22.2	ug/l	20.0		111	70-130	2.74	25	
sec-Butylbenzene	23.6	ug/l	20.0		118	70-130	3.45	25	
tert-Butylbenzene	22.2	ug/l	20.0		111	70-130	1.82	25	
Carbon disulfide	21.0	ug/l	20.0		105	70-130	0.957	25	
Carbon tetrachloride	23.3	ug/l	20.0		116	70-130	0.00	25	
Chlorobenzene	21.7	ug/l	20.0		108	70-130	0.00	25	
Chloroethane	23.1	ug/l	20.0		116	70-130	1.74	50	
Chloroform	21.9	ug/l	20.0		110	70-130	0.00	25	
Chloromethane	22.3	ug/l	20.0		112	70-130	1.80	25	
2-Chlorotoluene	21.7	ug/l	20.0		108	70-130	1.87	25	
4-Chlorotoluene	21.3	ug/l	20.0		106	70-130	1.90	25	
1,2-Dibromo-3-chloropropane	19.7	ug/l	20.0		98.5	70-130	1.53	25	
Dibromochloromethane	22.7	ug/l	20.0		114	70-130	0.00	50	
1,2-Dibromoethane (EDB)	22.0	ug/l	20.0		110	70-130	0.00	25	
Dibromomethane	21.9	ug/l	20.0		110	70-130	3.70	25	
1,2-Dichlorobenzene	22.2	ug/l	20.0		111	70-130	2.74	25	
1,3-Dichlorobenzene	22.3	ug/l	20.0		112	70-130	3.64	25	
1,4-Dichlorobenzene	22.1	ug/l	20.0		110	70-130	1.83	25	
Dichlorodifluoromethane (Freon12)	23.9	ug/l	20.0		120	70-130	6.90	50	
1,1-Dichloroethane	22.4	ug/l	20.0		112	70-130	0.00	25	
1,2-Dichloroethane	21.5	ug/l	20.0		108	70-130	0.00	25	
1,1-Dichloroethene	22.1	ug/l	20.0		110	70-130	1.80	25	
cis-1,2-Dichloroethene	21.7	ug/l	20.0		108	70-130	0.922	25	
trans-1,2-Dichloroethene	22.0	ug/l	20.0		110	70-130	0.00	25	
1,2-Dichloropropane	22.0	ug/l	20.0		110	70-130	0.00	25	
1,3-Dichloropropane	22.3	ug/l	20.0		112	70-130	1.80	25	
2,2-Dichloropropane	20.9	ug/l	20.0		104	70-130	0.00	25	
1,1-Dichloropropene	22.6	ug/l	20.0		113	70-130	1.79	25	
cis-1,3-Dichloropropene	21.8	ug/l	20.0		109	70-130	0.913	25	
trans-1,3-Dichloropropene	21.8	ug/l	20.0		109	70-130	0.00	25	
Ethylbenzene	21.6	ug/l	20.0		108	70-130	1.87	25	
Hexachlorobutadiene	20.9	ug/l	20.0		104	70-130	0.00	50	
2-Hexanone (MBK)	13.6	ug/l	20.0		68.0	70-130	1.48	25	QC-1
Isopropylbenzene	22.4	ug/l	20.0		112	70-130	2.71	25	
4-Isopropyltoluene	23.5	ug/l	20.0		118	70-130	3.45	25	
Methyl tert-butyl ether	20.5	ug/l	20.0		102	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	19.0	ug/l	20.0		95.0	70-130	0.525	50	
Methylene chloride	20.8	ug/l	20.0		104	70-130	0.00	25	
Naphthalene	21.0	ug/l	20.0		105	70-130	1.89	25	
n-Propylbenzene	22.5	ug/l	20.0		112	70-130	2.71	25	
Styrene	21.1	ug/l	20.0		106	70-130	1.90	25	
1,1,1,2-Tetrachloroethane	21.6	ug/l	20.0		108	70-130	0.930	25	
1,1,2,2-Tetrachloroethane	20.8	ug/l	20.0		104	70-130	3.92	25	
Tetrachloroethene	22.6	ug/l	20.0		113	70-130	1.79	25	
Toluene	21.9	ug/l	20.0		110	70-130	0.00	25	
1,2,3-Trichlorobenzene	21.4	ug/l	20.0		107	70-130	0.939	25	
1,2,4-Trichlorobenzene	21.0	ug/l	20.0		105	70-130	2.90	25	
1,1,1-Trichloroethane	23.2	ug/l	20.0		116	70-130	1.74	25	

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020126 - Volatiles</b>									
<b>LCS Dup (5020126-BSD1)</b>			<b>Prepared &amp; Analyzed: 02-Feb-05</b>						
1,1,2-Trichloroethane	22.0	ug/l	20.0		110	70-130	0.00	25	
Trichloroethene	21.7	ug/l	20.0		108	70-130	0.922	25	
Trichlorofluoromethane (Freon 11)	22.7	ug/l	20.0		114	70-130	1.77	50	
1,2,3-Trichloropropane	20.8	ug/l	20.0		104	70-130	4.42	25	
1,2,4-Trimethylbenzene	21.7	ug/l	20.0		108	70-130	1.87	25	
1,3,5-Trimethylbenzene	21.5	ug/l	20.0		108	70-130	1.87	25	
Vinyl chloride	31.3	ug/l	20.0		156	70-130	5.26	25	QC-1
m,p-Xylene	44.5	ug/l	40.0		111	70-130	0.905	25	
o-Xylene	22.5	ug/l	20.0		112	70-130	3.64	25	
<i>Surrogate: 4-Bromofluorobenzene</i>	48.2	ug/l				70-130			
<i>Surrogate: Toluene-d8</i>	51.1	ug/l				70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.8	ug/l				70-130			
<i>Surrogate: Dibromofluoromethane</i>	51.4	ug/l				70-130			
<b>Matrix Spike (5020126-MS1)</b>			<b>Source: SA23550-01</b>		<b>Prepared: 02-Feb-05 Analyzed: 03-Feb-05</b>				
Benzene	20.4	ug/l	20.0	BRL	102	70-130			
Chlorobenzene	20.2	ug/l	20.0	BRL	101	70-130			
1,1-Dichloroethene	46.0	ug/l	20.0	39.7	31.5	70-130			QM-02
Toluene	19.6	ug/l	20.0	BRL	98.0	70-130			
Trichloroethene	35.8	ug/l	20.0	21.3	72.5	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.8	ug/l				70-130			
<i>Surrogate: Toluene-d8</i>	50.5	ug/l				70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	57.7	ug/l				70-130			
<i>Surrogate: Dibromofluoromethane</i>	52.5	ug/l				70-130			
<b>Matrix Spike Dup (5020126-MSD1)</b>			<b>Source: SA23550-01</b>		<b>Prepared: 02-Feb-05 Analyzed: 03-Feb-05</b>				
Benzene	20.1	ug/l	20.0	BRL	100	70-130	1.98	30	
Chlorobenzene	20.4	ug/l	20.0	BRL	102	70-130	0.985	30	
1,1-Dichloroethene	38.8	ug/l	20.0	39.7	NR	70-130	NR	30	QM-02
Toluene	19.5	ug/l	20.0	BRL	97.5	70-130	0.512	30	
Trichloroethene	36.3	ug/l	20.0	21.3	75.0	70-130	3.39	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	48.8	ug/l				70-130			
<i>Surrogate: Toluene-d8</i>	49.4	ug/l				70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	57.0	ug/l				70-130			
<i>Surrogate: Dibromofluoromethane</i>	52.6	ug/l				70-130			
<b>Batch 5020191 - Volatiles</b>									
<b>Blank (5020191-BLK1)</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>						
Acetone	BRL	20.0 ug/l							
Acrylonitrile	BRL	1.0 ug/l							
Benzene	BRL	1.0 ug/l							
Bromobenzene	BRL	1.0 ug/l							
Bromochloromethane	BRL	1.0 ug/l							
Bromodichloromethane	BRL	1.0 ug/l							
Bromoform	BRL	1.0 ug/l							
Bromomethane	BRL	2.0 ug/l							
2-Butanone (MEK)	BRL	10.0 ug/l							
n-Butylbenzene	BRL	1.0 ug/l							
sec-Butylbenzene	BRL	1.0 ug/l							
tert-Butylbenzene	BRL	1.0 ug/l							
Carbon disulfide	BRL	5.0 ug/l							
Carbon tetrachloride	BRL	1.0 ug/l							
Chlorobenzene	BRL	1.0 ug/l							
Chloroethane	BRL	2.0 ug/l							
Chloroform	BRL	1.0 ug/l							

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020191 - Volatiles</b>			Prepared & Analyzed: 03-Feb-05					
<b>Blank (5020191-BLK1)</b>								
Chloromethane	BRL	2.0 ug/l						
2-Chlorotoluene	BRL	1.0 ug/l						
4-Chlorotoluene	BRL	1.0 ug/l						
1,2-Dibromo-3-chloropropane	BRL	2.0 ug/l						
Dibromochloromethane	BRL	1.0 ug/l						
1,2-Dibromoethane (EDB)	BRL	1.0 ug/l						
Dibromomethane	BRL	1.0 ug/l						
1,2-Dichlorobenzene	BRL	1.0 ug/l						
1,3-Dichlorobenzene	BRL	1.0 ug/l						
1,4-Dichlorobenzene	BRL	1.0 ug/l						
Dichlorodifluoromethane (Freon12)	BRL	2.0 ug/l						
1,1-Dichloroethane	BRL	1.0 ug/l						
1,2-Dichloroethane	BRL	1.0 ug/l						
1,1-Dichloroethene	BRL	1.0 ug/l						
cis-1,2-Dichloroethene	BRL	1.0 ug/l						
trans-1,2-Dichloroethene	BRL	1.0 ug/l						
1,2-Dichloropropane	BRL	1.0 ug/l						
1,3-Dichloropropane	BRL	1.0 ug/l						
2,2-Dichloropropane	BRL	1.0 ug/l						
1,1-Dichloropropene	BRL	1.0 ug/l						
cis-1,3-Dichloropropene	BRL	1.0 ug/l						
trans-1,3-Dichloropropene	BRL	1.0 ug/l						
Ethylbenzene	BRL	1.0 ug/l						
Hexachlorobutadiene	BRL	1.0 ug/l						
2-Hexanone (MBK)	BRL	10.0 ug/l						
Isopropylbenzene	BRL	1.0 ug/l						
4-Isopropyltoluene	BRL	1.0 ug/l						
Methyl tert-butyl ether	BRL	1.0 ug/l						
4-Methyl-2-pentanone (MIBK)	BRL	10.0 ug/l						
Methylene chloride	BRL	10.0 ug/l						
Naphthalene	BRL	1.0 ug/l						
n-Propylbenzene	BRL	1.0 ug/l						
Styrene	BRL	1.0 ug/l						
1,1,1,2-Tetrachloroethane	BRL	1.0 ug/l						
1,1,2,2-Tetrachloroethane	BRL	1.0 ug/l						
Tetrachloroethene	BRL	1.0 ug/l						
Toluene	BRL	1.0 ug/l						
1,2,3-Trichlorobenzene	BRL	1.0 ug/l						
1,2,4-Trichlorobenzene	BRL	1.0 ug/l						
1,1,1-Trichloroethane	BRL	1.0 ug/l						
1,1,2-Trichloroethane	BRL	1.0 ug/l						
Trichloroethene	BRL	1.0 ug/l						
Trichlorofluoromethane (Freon 11)	BRL	1.0 ug/l						
1,2,3-Trichloropropane	BRL	1.0 ug/l						
1,2,4-Trimethylbenzene	BRL	1.0 ug/l						
1,3,5-Trimethylbenzene	BRL	1.0 ug/l						
Vinyl chloride	BRL	1.0 ug/l						
m,p-Xylene	BRL	2.0 ug/l						
o-Xylene	BRL	1.0 ug/l						
Surrogate: 4-Bromofluorobenzene	46.0	ug/l	50.0		92.0	70-130		
Surrogate: Toluene-d8	51.9	ug/l	50.0		104	70-130		
Surrogate: 1,2-Dichloroethane-d4	51.6	ug/l	50.0		103	70-130		
Surrogate: Dibromofluoromethane	51.2	ug/l	50.0		102	70-130		
<b>LCS (5020191-BS1)</b>			Prepared & Analyzed: 03-Feb-05					

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## Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020191 - Volatiles</b>								
<b>LCS (5020191-BS1)</b>			Prepared & Analyzed: 03-Feb-05					
1,2,3-Trichlorobenzene	19.7	ug/l	20.0		98.5	70-130		
1,2,4-Trichlorobenzene	19.5	ug/l	20.0		97.5	70-130		
1,1,1-Trichloroethane	21.5	ug/l	20.0		108	70-130		
1,1,2-Trichloroethane	21.0	ug/l	20.0		105	70-130		
Trichloroethene	22.8	ug/l	20.0		114	70-130		
Trichlorofluoromethane (Freon 11)	19.9	ug/l	20.0		99.5	70-130		
1,2,3-Trichloropropane	20.1	ug/l	20.0		100	70-130		
1,2,4-Trimethylbenzene	19.5	ug/l	20.0		97.5	70-130		
1,3,5-Trimethylbenzene	19.6	ug/l	20.0		98.0	70-130		
Vinyl chloride	25.2	ug/l	20.0		126	70-130		
m,p-Xylene	40.9	ug/l	40.0		102	70-130		
o-Xylene	20.3	ug/l	20.0		102	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.9</i>	<i>ug/l</i>	<i>50.0</i>		<i>95.8</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>51.8</i>	<i>ug/l</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.8</i>	<i>ug/l</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>51.8</i>	<i>ug/l</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>		
<b>LCS Dup (5020191-BS1)</b>			Prepared & Analyzed: 03-Feb-05					
Acetone	20.8	ug/l	20.0		104	70-130	0.957	50
Acrylonitrile	18.0	ug/l	20.0		90.0	70-130	4.88	25
Benzene	21.3	ug/l	20.0		106	70-130	3.85	25
Bromobenzene	20.3	ug/l	20.0		102	70-130	2.99	25
Bromochloromethane	22.0	ug/l	20.0		110	70-130	2.76	25
Bromodichloromethane	23.0	ug/l	20.0		115	70-130	2.64	25
Bromoform	17.9	ug/l	20.0		89.5	70-130	0.560	25
Bromomethane	23.0	ug/l	20.0		115	70-130	5.36	50
2-Butanone (MEK)	16.1	ug/l	20.0		80.5	70-130	22.1	50
n-Butylbenzene	20.6	ug/l	20.0		103	70-130	4.98	25
sec-Butylbenzene	21.6	ug/l	20.0		108	70-130	3.77	25
tert-Butylbenzene	20.7	ug/l	20.0		104	70-130	4.42	25
Carbon disulfide	20.3	ug/l	20.0		102	70-130	6.58	25
Carbon tetrachloride	22.9	ug/l	20.0		114	70-130	5.41	25
Chlorobenzene	20.6	ug/l	20.0		103	70-130	2.96	25
Chloroethane	20.6	ug/l	20.0		103	70-130	4.47	50
Chloroform	21.8	ug/l	20.0		109	70-130	4.69	25
Chloromethane	20.4	ug/l	20.0		102	70-130	8.16	25
2-Chlorotoluene	20.2	ug/l	20.0		101	70-130	2.00	25
4-Chlorotoluene	19.8	ug/l	20.0		99.0	70-130	3.08	25
1,2-Dibromo-3-chloropropane	18.7	ug/l	20.0		93.5	70-130	5.21	25
Dibromochloromethane	23.1	ug/l	20.0		116	70-130	3.51	50
1,2-Dibromoethane (EDB)	22.0	ug/l	20.0		110	70-130	2.76	25
Dibromomethane	21.5	ug/l	20.0		108	70-130	2.82	25
1,2-Dichlorobenzene	21.0	ug/l	20.0		105	70-130	0.957	25
1,3-Dichlorobenzene	20.6	ug/l	20.0		103	70-130	3.46	25
1,4-Dichlorobenzene	21.2	ug/l	20.0		106	70-130	2.87	25
Dichlorodifluoromethane (Freon12)	20.8	ug/l	20.0		104	70-130	1.90	50
1,1-Dichloroethane	21.6	ug/l	20.0		108	70-130	5.71	25
1,2-Dichloroethane	21.5	ug/l	20.0		108	70-130	5.71	25
1,1-Dichloroethene	20.0	ug/l	20.0		100	70-130	5.66	25
cis-1,2-Dichloroethene	21.3	ug/l	20.0		106	70-130	2.87	25
trans-1,2-Dichloroethene	21.6	ug/l	20.0		108	70-130	5.71	25
1,2-Dichloropropane	21.1	ug/l	20.0		106	70-130	3.85	25
1,3-Dichloropropane	21.0	ug/l	20.0		105	70-130	0.00	25
2,2-Dichloropropane	19.4	ug/l	20.0		97.0	70-130	14.4	25
1,1-Dichloropropene	22.0	ug/l	20.0		110	70-130	5.61	25

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**Extractable Petroleum Hydrocarbons - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Flag	
<b>Batch 5020007 - SW846 3545A</b>										
<b>Duplicate (5020007-DUP1)</b>		Source: SA23461-11		Prepared: 01-Feb-05		Analyzed: 04-Feb-05				
Total Petroleum Hydrocarbons	BRL	31.8 mg/kg dry		BRL				50		
C9-C36 Aliphatic Hydrocarbons	BRL	31.8 mg/kg dry		BRL				50		
Surrogate: 1-Chlorooctadecane	2.89	mg/kg dry	3.99		72.4	40-140				
<b>Matrix Spike (5020007-MS1)</b>		Source: SA23461-11		Prepared: 01-Feb-05		Analyzed: 04-Feb-05				
C9-C36 Aliphatic Hydrocarbons	80.2	15.9 mg/kg dry	112	BRL	71.6	40-140				
Surrogate: 1-Chlorooctadecane	2.54	mg/kg dry	3.98		63.8	40-140				
<b>Matrix Spike Dup (5020007-MSD1)</b>		Source: SA23461-11		Prepared: 01-Feb-05		Analyzed: 04-Feb-05				
C9-C36 Aliphatic Hydrocarbons	70.9	15.9 mg/kg dry	112	BRL	63.3	40-140	12.3	30		
Surrogate: 1-Chlorooctadecane	2.23	mg/kg dry	3.98		56.0	40-140				
<b>Batch 5020148 - SW846 3550B</b>										
<b>Blank (5020148-BLK1)</b>										Prepared: 03-Feb-05 Analyzed: 04-Feb-05
Gasoline	BRL	13.3 mg/kg wet								
Fuel Oil #2	BRL	13.3 mg/kg wet								
Fuel Oil #4	BRL	13.3 mg/kg wet								
Fuel Oil #6	BRL	13.3 mg/kg wet								
Motor Oil	BRL	13.3 mg/kg wet								
Aviation Fuel	BRL	13.3 mg/kg wet								
Unidentified	BRL	13.3 mg/kg wet								
Other Oil	BRL	13.3 mg/kg wet								
Total Petroleum Hydrocarbons	BRL	13.3 mg/kg wet								
C9-C36 Aliphatic Hydrocarbons	BRL	13.3 mg/kg wet								
Surrogate: 1-Chlorooctadecane	2.21	mg/kg wet	3.33		66.4	40-140				
<b>LCS (5020148-BS1)</b>										Prepared: 03-Feb-05 Analyzed: 04-Feb-05
C9-C36 Aliphatic Hydrocarbons	88.0	13.3 mg/kg wet	93.3		94.3	40-140				
Surrogate: 1-Chlorooctadecane	2.42	mg/kg wet	3.33		72.7	40-140				
<b>Duplicate (5020148-DUP1)</b>		Source: SA23461-21		Prepared: 03-Feb-05		Analyzed: 04-Feb-05				
Gasoline	BRL	48.3 mg/kg dry		BRL				50		
Fuel Oil #2	BRL	48.3 mg/kg dry		BRL				50		
Fuel Oil #4	BRL	48.3 mg/kg dry		BRL				50		
Fuel Oil #6	Calculated as	48.3 mg/kg dry		BRL				50		
Motor Oil	BRL	48.3 mg/kg dry		BRL				50		
Aviation Fuel	BRL	48.3 mg/kg dry		BRL				50		
Unidentified	211	48.3 mg/kg dry		294			32.9	50		
Other Oil	BRL	48.3 mg/kg dry		BRL				50		
Total Petroleum Hydrocarbons	211	48.3 mg/kg dry		294			32.9	50		
C9-C36 Aliphatic Hydrocarbons	211	48.3 mg/kg dry		294			32.9	50		
Surrogate: 1-Chlorooctadecane	6.50	mg/kg dry	6.05		107	40-140				
<b>Matrix Spike (5020148-MS1)</b>										Prepared: 03-Feb-05 Analyzed: 04-Feb-05
C9-C36 Aliphatic Hydrocarbons	243	13.7 mg/kg wet	96.0		253	40-140			QM-02	
Surrogate: 1-Chlorooctadecane	3.93	mg/kg wet	3.43		115	40-140				
<b>Matrix Spike Dup (5020148-MSD1)</b>										Prepared: 03-Feb-05 Analyzed: 04-Feb-05
C9-C36 Aliphatic Hydrocarbons	257	13.6 mg/kg wet	95.3		270	40-140	6.50	30	QM-02	
Surrogate: 1-Chlorooctadecane	3.45	mg/kg wet	3.40		101	40-140				

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011495 - SW846 3550B</b>									
<b>Blank (5011495-BLK1)</b>					Prepared: 31-Jan-05 Analyzed: 08-Feb-05				
PCB 1016	BRL	28.6 ug/kg wet							
Aldrin	BRL	14.3 ug/kg wet							
PCB 1221	BRL	28.6 ug/kg wet							
a-BHC	BRL	14.3 ug/kg wet							
PCB 1232	BRL	28.6 ug/kg wet							
b-BHC	BRL	14.3 ug/kg wet							
PCB 1242	BRL	28.6 ug/kg wet							
d-BHC	BRL	14.3 ug/kg wet							
PCB 1248	BRL	28.6 ug/kg wet							
g-BHC (Lindane)	BRL	14.3 ug/kg wet							
PCB 1254	BRL	28.6 ug/kg wet							
Chlordane	BRL	71.5 ug/kg wet							
PCB 1260	BRL	28.6 ug/kg wet							
4,4-DDD (p,p')	BRL	14.3 ug/kg wet							
PCB 1262	BRL	28.6 ug/kg wet							
4,4-DDE (p,p')	BRL	14.3 ug/kg wet							
PCB 1268	BRL	28.6 ug/kg wet							
4,4-DDT (p,p')	BRL	14.3 ug/kg wet							
Dieldrin	BRL	14.3 ug/kg wet							
Endosulfan I	BRL	14.3 ug/kg wet							
Endosulfan II	BRL	14.3 ug/kg wet							
Endosulfan Sulfate	BRL	14.3 ug/kg wet							
Endrin	BRL	14.3 ug/kg wet							
Endrin Aldehyde	BRL	14.3 ug/kg wet							
Heptachlor	BRL	14.3 ug/kg wet							
Methoxychlor	BRL	14.3 ug/kg wet							
Heptachlor Epoxide	BRL	14.3 ug/kg wet							
Toxaphene	BRL	71.5 ug/kg wet							
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	22.0	ug/kg wet	28.6		76.9	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	26.2	ug/kg wet	28.6		91.6	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	22.0	ug/kg wet	28.6		76.9	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	26.2	ug/kg wet	28.6		91.6	30-150			
<b>LCS (5011495-BS1)</b>					Prepared: 31-Jan-05 Analyzed: 08-Feb-05				
PCB 1016	183	28.6 ug/kg wet	357		51.3	40-140			
PCB 1260	276	28.6 ug/kg wet	357		77.3	40-140			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	18.9	ug/kg wet	28.6		66.1	40-140			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	23.1	ug/kg wet	28.6		80.8	40-140			
<b>LCS (5011495-BS2)</b>					Prepared: 31-Jan-05 Analyzed: 08-Feb-05				
Aldrin	26.4	14.3 ug/kg wet	28.6		92.3	40-140			
a-BHC	26.8	14.3 ug/kg wet	28.6		93.7	40-140			
b-BHC	24.7	14.3 ug/kg wet	28.6		86.4	40-140			
d-BHC	20.0	14.3 ug/kg wet	28.6		69.9	40-140			
g-BHC (Lindane)	25.6	14.3 ug/kg wet	28.6		89.5	40-140			
4,4-DDD (p,p')	21.5	14.3 ug/kg wet	28.6		75.2	40-140			
4,4-DDE (p,p')	28.6	14.3 ug/kg wet	28.6		100	40-140			
4,4-DDT (p,p')	19.6	14.3 ug/kg wet	28.6		68.5	40-140			
Dieldrin	25.6	14.3 ug/kg wet	28.6		89.5	40-140			
Endosulfan I	30.8	14.3 ug/kg wet	28.6		108	40-140			
Endosulfan II	24.3	14.3 ug/kg wet	28.6		85.0	40-140			
Endosulfan Sulfate	23.4	14.3 ug/kg wet	28.6		81.8	40-140			
Endrin	15.3	14.3 ug/kg wet	28.6		53.5	40-140			
Endrin Aldehyde	16.8	14.3 ug/kg wet	28.6		58.7	40-140			
Heptachlor	23.1	14.3 ug/kg wet	28.6		80.8	40-140			

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011495 - SW846 3550B</b>									
<b>Matrix Spike (5011495-MS2)</b>		<b>Source: SA23419-08</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 08-Feb-05</b>			
Endosulfan II	31.5	17.3 ug/kg dry	34.5	BRL	91.3	30-150			
Endosulfan Sulfate	28.8	17.3 ug/kg dry	34.5	BRL	83.5	30-150			
Endrin	20.4	17.3 ug/kg dry	34.5	BRL	59.1	30-150			
Endrin Aldehyde	21.1	17.3 ug/kg dry	34.5	BRL	61.2	30-150			
Heptachlor	31.2	17.3 ug/kg dry	34.5	BRL	90.4	30-150			
Methoxychlor	14.5	8.46 ug/kg dry	34.5	BRL	42.0	30-150			
Heptachlor Epoxide	33.3	17.3 ug/kg dry	34.5	BRL	96.5	30-150			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.8	ug/kg dry	34.5		74.8	30-150			
Surrogate: Decachlorobiphenyl (Sr)	20.9	ug/kg dry	34.5		60.6	30-150			
<b>Matrix Spike Dup (5011495-MSD1)</b>		<b>Source: SA23419-08</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 08-Feb-05</b>			
PCB 1016	292	34.8 ug/kg dry	434	BRL	67.3	40-140	9.33	50	
PCB 1260	371	34.8 ug/kg dry	434	BRL	85.5	40-140	1.89	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	26.1	ug/kg dry	34.7		75.2	40-140			
Surrogate: Decachlorobiphenyl (Sr)	31.9	ug/kg dry	34.7		91.9	40-140			
<b>Matrix Spike Dup (5011495-MSD2)</b>		<b>Source: SA23419-08</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 08-Feb-05</b>			
Aldrin	31.1	16.6 ug/kg dry	33.1	BRL	94.0	30-150	5.28	30	
a-BHC	30.3	16.6 ug/kg dry	33.1	BRL	91.5	30-150	7.17	30	
b-BHC	25.8	16.6 ug/kg dry	33.1	BRL	77.9	30-150	7.65	30	
d-BHC	22.1	16.6 ug/kg dry	33.1	BRL	66.8	30-150	6.10	30	
g-BHC (Lindane)	28.8	16.6 ug/kg dry	33.1	BRL	87.0	30-150	6.45	30	
4,4-DDD (p,p')	24.6	16.6 ug/kg dry	33.1	BRL	74.3	30-150	5.24	30	
4,4-DDE (p,p')	29.1	16.6 ug/kg dry	33.1	BRL	87.9	30-150	12.0	30	
4,4-DDT (p,p')	19.7	16.6 ug/kg dry	33.1	BRL	59.5	30-150	13.9	30	
Dieldrin	27.3	16.6 ug/kg dry	33.1	BRL	82.5	30-150	7.92	30	
Endosulfan I	33.0	16.6 ug/kg dry	33.1	BRL	99.7	30-150	7.99	30	
Endosulfan II	27.8	16.6 ug/kg dry	33.1	BRL	84.0	30-150	8.33	30	
Endosulfan Sulfate	26.2	16.6 ug/kg dry	33.1	BRL	79.2	30-150	5.29	30	
Endrin	17.8	16.6 ug/kg dry	33.1	BRL	53.8	30-150	9.39	30	
Endrin Aldehyde	19.2	16.6 ug/kg dry	33.1	BRL	58.0	30-150	5.37	30	
Heptachlor	26.3	16.6 ug/kg dry	33.1	BRL	79.5	30-150	12.8	30	
Methoxychlor	13.4	8.11 ug/kg dry	33.1	BRL	40.5	30-150	3.64	30	
Heptachlor Epoxide	30.4	16.6 ug/kg dry	33.1	BRL	91.8	30-150	4.99	30	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	23.2	ug/kg dry	33.1		70.1	30-150			
Surrogate: Decachlorobiphenyl (Sr)	20.3	ug/kg dry	33.1		61.3	30-150			
<b>Batch 5011500 - SW846 3550B</b>									
<b>Blank (5011500-BLKI)</b>		<b>Prepared: 31-Jan-05 Analyzed: 09-Feb-05</b>							
Aldrin	BRL	14.3 ug/kg wet							
PCB 1016	BRL	28.6 ug/kg wet							
a-BHC	BRL	14.3 ug/kg wet							
PCB 1221	BRL	28.6 ug/kg wet							
b-BHC	BRL	14.3 ug/kg wet							
PCB 1232	BRL	28.6 ug/kg wet							
PCB 1242	BRL	28.6 ug/kg wet							
d-BHC	BRL	14.3 ug/kg wet							
PCB 1248	BRL	28.6 ug/kg wet							
g-BHC (Lindane)	BRL	14.3 ug/kg wet							
Chlordane	BRL	71.5 ug/kg wet							
PCB 1254	BRL	28.6 ug/kg wet							
PCB 1260	BRL	28.6 ug/kg wet							
4,4-DDD (p,p')	BRL	14.3 ug/kg wet							
4,4-DDE (p,p')	BRL	14.3 ug/kg wet							
PCB 1262	BRL	28.6 ug/kg wet							

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**Semivolatile Organic Compounds by GC - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011500 - SW846 3550B</b>									
<b>Duplicate (5011500-DUP1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 09-Feb-05</b>			
Chlordane	BRL	89.9 ug/kg dry		BRL				30	
4,4-DDD (p,p')	BRL	18.0 ug/kg dry		BRL				30	
PCB 1260	340	36.0 ug/kg dry		376			10.1	40	
4,4-DDE (p,p')	BRL	18.0 ug/kg dry		BRL				30	
PCB 1262	BRL	36.0 ug/kg dry		BRL				40	
PCB 1268	BRL	36.0 ug/kg dry		BRL				40	
4,4-DDT (p,p')	BRL	53.9 ug/kg dry		BRL				30	R-01
Dieldrin	BRL	18.0 ug/kg dry		BRL				30	
Endosulfan I	BRL	18.0 ug/kg dry		BRL				30	
Endosulfan II	BRL	18.0 ug/kg dry		BRL				30	
Endosulfan Sulfate	BRL	18.0 ug/kg dry		BRL				30	
Endrin	BRL	18.0 ug/kg dry		BRL				30	
Endrin Aldehyde	BRL	18.0 ug/kg dry		BRL				30	
Heptachlor	BRL	18.0 ug/kg dry		BRL				30	
Methoxychlor	BRL	18.0 ug/kg dry		BRL				30	
Heptachlor Epoxide	BRL	18.0 ug/kg dry		BRL				30	
Toxaphene	BRL	89.9 ug/kg dry		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	24.5	ug/kg dry	35.9		68.2	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	31.8	ug/kg dry	35.9		88.6	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	24.5	ug/kg dry	35.9		68.2	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	31.8	ug/kg dry	35.9		88.6	30-150			
<b>Matrix Spike (5011500-MS1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 09-Feb-05</b>			
PCB 1016	225	37.2 ug/kg dry	464	BRL	48.5	40-140			
PCB 1260	672	37.2 ug/kg dry	464	376	63.8	40-140			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	30.5	ug/kg dry	37.1		82.2	40-140			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	33.9	ug/kg dry	37.1		91.4	40-140			
<b>Matrix Spike (5011500-MS2)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 09-Feb-05</b>			
Aldrin	33.4	17.4 ug/kg dry	34.8	BRL	96.0	30-150			
a-BHC	38.3	17.4 ug/kg dry	34.8	BRL	110	30-150			
b-BHC	722	17.4 ug/kg dry	34.8	BRL	NR	30-150			QM-01
d-BHC	39.8	17.4 ug/kg dry	34.8	BRL	114	30-150			QM-05
g-BHC (Lindane)	39.2	17.4 ug/kg dry	34.8	BRL	113	30-150			
4,4-DDD (p,p')	33.8	17.4 ug/kg dry	34.8	BRL	97.1	30-150			
4,4-DDE (p,p')	37.2	17.4 ug/kg dry	34.8	BRL	107	30-150			
4,4-DDT (p,p')	61.0	17.4 ug/kg dry	34.8	BRL	175	30-150			QM-01
Dieldrin	37.9	17.4 ug/kg dry	34.8	BRL	109	30-150			
Endosulfan I	38.3	17.4 ug/kg dry	34.8	BRL	110	30-150			
Endosulfan II	28.3	17.4 ug/kg dry	34.8	BRL	81.3	30-150			
Endosulfan Sulfate	36.6	17.4 ug/kg dry	34.8	BRL	105	30-150			QM-05
Endrin	41.0	17.4 ug/kg dry	34.8	BRL	118	30-150			QM-05
Endrin Aldehyde	28.1	17.4 ug/kg dry	34.8	BRL	80.7	30-150			QM-05
Heptachlor	29.7	17.4 ug/kg dry	34.8	BRL	85.3	30-150			
Methoxychlor	33.3	17.4 ug/kg dry	34.8	BRL	95.7	30-150			QM-05
Heptachlor Epoxide	27.1	17.4 ug/kg dry	34.8	BRL	77.9	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	24.6	ug/kg dry	34.8		70.7	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	37.7	ug/kg dry	34.8		108	30-150			
<b>Matrix Spike Dup (5011500-MSD1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 09-Feb-05</b>			
PCB 1016	236	36.1 ug/kg dry	450	BRL	52.4	40-140	7.73	50	
PCB 1260	604	36.1 ug/kg dry	450	376	50.7	40-140	22.9	50	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	27.5	ug/kg dry	36.0		76.4	40-140			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	32.7	ug/kg dry	36.0		90.8	40-140			
<b>Matrix Spike Dup (5011500-MSD2)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 31-Jan-05</b>		<b>Analyzed: 09-Feb-05</b>			

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### Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011500 - SW846 3550B</b>									
<b>Matrix Spike Dup (5011500-MSD2)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 31-Jan-05 Analyzed: 09-Feb-05</b>					
Aldrin	38.0	18.5 ug/kg dry	36.9	BRL	103	30-150	7.04	30	
a-BHC	38.2	18.5 ug/kg dry	36.9	BRL	104	30-150	5.61	30	
b-BHC	557	18.5 ug/kg dry	36.9	BRL	NR	30-150	31.3	30	QM-01
d-BHC	27.1	18.5 ug/kg dry	36.9	BRL	73.4	30-150	43.3	30	QM-05
g-BHC (Lindane)	35.1	18.5 ug/kg dry	36.9	BRL	95.1	30-150	17.2	30	
4,4-DDD (p,p')	45.6	18.5 ug/kg dry	36.9	BRL	124	30-150	24.3	30	
4,4-DDE (p,p')	31.3	18.5 ug/kg dry	36.9	BRL	84.8	30-150	23.1	30	
4,4-DDT (p,p')	346	18.5 ug/kg dry	36.9	BRL	938	30-150	137	30	QM-01
Dieldrin	39.9	18.5 ug/kg dry	36.9	BRL	108	30-150	0.922	30	
Endosulfan I	35.4	18.5 ug/kg dry	36.9	BRL	95.9	30-150	13.7	30	
Endosulfan II	31.2	18.5 ug/kg dry	36.9	BRL	84.6	30-150	3.98	30	
Endosulfan Sulfate	27.8	18.5 ug/kg dry	36.9	BRL	75.3	30-150	32.9	30	QM-05
Endrin	31.9	18.5 ug/kg dry	36.9	BRL	86.4	30-150	30.9	30	QM-05
Endrin Aldehyde	42.3	18.5 ug/kg dry	36.9	BRL	115	30-150	35.1	30	QM-05
Heptachlor	24.2	18.5 ug/kg dry	36.9	BRL	65.6	30-150	26.1	30	
Methoxychlor	22.1	18.5 ug/kg dry	36.9	BRL	59.9	30-150	46.0	30	QM-05
Heptachlor Epoxide	30.3	18.5 ug/kg dry	36.9	BRL	82.1	30-150	5.25	30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	38.2	ug/kg dry	36.9		104	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	34.3	ug/kg dry	36.9		93.0	30-150			
<b>Batch 5020001 - SW846 3535</b>									
<b>Blank (5020001-BLK1)</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>							
2,4-D	BRL	0.100 ug/l							
2,4,5-T	BRL	0.100 ug/l							
2,4,5-TP (Silvex)	BRL	0.100 ug/l							
2,4-DB	BRL	0.100 ug/l							
Dalapon	BRL	0.100 ug/l							
Dicamba	BRL	0.100 ug/l							
Dinoseb	BRL	0.100 ug/l							
Dichlorprop	BRL	0.100 ug/l							
MCPB	BRL	15.0 ug/l							
MCPA	BRL	15.0 ug/l							
MCPB	BRL	15.0 ug/l							
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.0851	ug/l	0.200		42.6	40-140			
<b>LCS (5020001-BS1)</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>							
2,4-D	0.106	0.100 ug/l	0.300		35.3	40-140			QC-1
2,4,5-T	0.269	0.100 ug/l	0.300		89.7	40-140			
2,4,5-TP (Silvex)	0.249	0.100 ug/l	0.300		83.0	40-140			
2,4-DB	0.268	0.100 ug/l	0.300		89.3	40-140			
Dalapon	0.0812	0.100 ug/l	0.300		27.1	40-140			QC-1
Dicamba	0.171	0.100 ug/l	0.300		57.0	40-140			
Dinoseb	0.312	0.100 ug/l	0.300		104	40-140			
Dichlorprop	0.110	0.100 ug/l	0.300		36.7	40-140			QC-1
MCPB	165	15.0 ug/l	150		110	40-140			
MCPA	134	15.0 ug/l	150		89.3	40-140			
MCPB	131	15.0 ug/l	150		87.3	40-140			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.0832	ug/l	0.200		41.6	40-140			
<b>Duplicate (5020001-DUP1)</b>		<b>Source: SA23461-26</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>					
2,4-D	BRL	0.100 ug/l		BRL				30	
2,4,5-T	BRL	0.100 ug/l		BRL				30	
2,4,5-TP (Silvex)	BRL	0.100 ug/l		BRL				30	
2,4-DB	BRL	0.100 ug/l		BRL				30	
Dalapon	BRL	0.100 ug/l		BRL				30	

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020001 - SW846 3535</b>									
<b>Duplicate (5020001-DUP1)</b>		<b>Source: SA23461-26</b>		<b>Prepared: 01-Feb-05</b>		<b>Analyzed: 02-Feb-05</b>			
Dicamba	BRL	0.100 ug/l		BRL				30	
Dinoseb	BRL	0.100 ug/l		BRL				30	
Dichlorprop	BRL	0.100 ug/l		BRL				30	
MCPB	BRL	15.0 ug/l		BRL				30	
MCPA	BRL	15.0 ug/l		BRL				30	
MCPB	BRL	15.0 ug/l		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.181	ug/l	0.400		45.2	40-140			
<b>Batch 5020005 - SW846 3550B</b>									
<b>Blank (5020005-BLK1)</b>				<b>Prepared: 01-Feb-05</b>		<b>Analyzed: 03-Feb-05</b>			
2,4-D	BRL	6.70 ug/kg wet							
2,4,5-T	BRL	6.70 ug/kg wet							
2,4,5-TP (Silvex)	BRL	6.70 ug/kg wet							
2,4-DB	BRL	6.70 ug/kg wet							
Dalapon	BRL	6.70 ug/kg wet							
Dicamba	BRL	6.70 ug/kg wet							
Dinoseb	BRL	6.70 ug/kg wet							
Dichlorprop	BRL	6.70 ug/kg wet							
MCPB	BRL	670 ug/kg wet							
MCPA	BRL	670 ug/kg wet							
MCPB	BRL	670 ug/kg wet							
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	10.9	ug/kg wet	13.3		82.0	40-140			
<b>LCS (5020005-BS1)</b>				<b>Prepared: 01-Feb-05</b>		<b>Analyzed: 03-Feb-05</b>			
2,4-D	21.6	6.70 ug/kg wet	20.0		108	40-140			
2,4,5-T	16.6	6.70 ug/kg wet	20.0		83.0	40-140			
2,4,5-TP (Silvex)	10.8	6.70 ug/kg wet	20.0		54.0	40-140			
2,4-DB	24.4	6.70 ug/kg wet	20.0		122	40-140			
Dalapon	16.4	6.70 ug/kg wet	20.0		82.0	40-140			
Dicamba	19.1	6.70 ug/kg wet	20.0		95.5	40-140			
Dinoseb	16.8	6.70 ug/kg wet	20.0		84.0	40-140			
Dichlorprop	16.7	6.70 ug/kg wet	20.0		83.5	40-140			
MCPB	11000	670 ug/kg wet	10000		110	40-140			
MCPA	7960	670 ug/kg wet	10000		79.6	40-140			
MCPB	6220	670 ug/kg wet	10000		62.2	40-140			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	10.3	ug/kg wet	13.3		77.4	40-140			
<b>Duplicate (5020005-DUP1)</b>		<b>Source: SA23419-11</b>		<b>Prepared: 01-Feb-05</b>		<b>Analyzed: 03-Feb-05</b>			
2,4-D	BRL	13.4 ug/kg dry		BRL				30	
2,4,5-T	BRL	13.4 ug/kg dry		BRL				30	
2,4,5-TP (Silvex)	BRL	13.4 ug/kg dry		BRL				30	
2,4-DB	BRL	13.4 ug/kg dry		BRL				30	
Dalapon	BRL	13.4 ug/kg dry		BRL				30	
Dicamba	BRL	13.4 ug/kg dry		BRL				30	
Dinoseb	BRL	13.4 ug/kg dry		BRL				30	
Dichlorprop	BRL	13.4 ug/kg dry		BRL				30	
MCPB	BRL	1340 ug/kg dry		BRL				30	
MCPA	BRL	1340 ug/kg dry		BRL				30	
MCPB	BRL	1340 ug/kg dry		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	18.4	ug/kg dry	14.5		127	40-140			
<b>Batch 5020079 - SW846 3535</b>									
<b>Blank (5020079-BLK1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Aldrin	BRL	0.100 ug/l							
PCB 1016	BRL	0.100 ug/l							

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020079 - SW846 3535</b>									
<b>Duplicate (5020079-DUP1)</b>		<b>Source: SA23461-26</b>		<b>Prepared: 02-Feb-05 Analyzed: 04-Feb-05</b>					
Aldrin	BRL	0.250 ug/l		BRL				30	
PCB 1016	BRL	0.250 ug/l		BRL				40	
a-BHC	BRL	0.250 ug/l		BRL				30	
PCB 1221	BRL	0.250 ug/l		BRL				40	
b-BHC	BRL	0.250 ug/l		BRL				30	
PCB 1232	BRL	0.250 ug/l		BRL				40	
d-BHC	BRL	0.250 ug/l		BRL				30	
PCB 1242	BRL	0.250 ug/l		BRL				40	
PCB 1248	BRL	0.250 ug/l		BRL				40	
g-BHC (Lindane)	BRL	0.250 ug/l		BRL				30	
Chlordane	BRL	1.25 ug/l		BRL				30	
PCB 1254	BRL	0.250 ug/l		BRL				40	
PCB 1260	BRL	0.250 ug/l		BRL				40	
4,4-DDD (p,p')	BRL	0.250 ug/l		BRL				30	
PCB 1262	BRL	0.250 ug/l		BRL				40	
4,4-DDE (p,p')	BRL	0.250 ug/l		BRL				30	
4,4-DDT (p,p')	BRL	0.250 ug/l		BRL				30	
PCB 1268	BRL	0.250 ug/l		BRL				40	
Dieldrin	BRL	0.250 ug/l		BRL				30	
Endosulfan I	BRL	0.250 ug/l		BRL				30	
Endosulfan II	BRL	0.250 ug/l		BRL				30	
Endosulfan Sulfate	BRL	0.250 ug/l		BRL				30	
Endrin	BRL	0.250 ug/l		BRL				30	
Endrin Aldehyde	BRL	0.250 ug/l		BRL				30	
Heptachlor	BRL	0.250 ug/l		BRL				30	
Methoxychlor	BRL	0.250 ug/l		BRL				30	
Heptachlor Epoxide	BRL	0.250 ug/l		BRL				30	
Toxaphene	BRL	1.25 ug/l		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.205	ug/l	0.500		41.0	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.210	ug/l	0.500		42.0	30-150			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	0.217	ug/l	0.500		43.4	30-150			
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	0.347	ug/l	0.500		69.4	30-150			
<b>Batch 5020087 - SW846 3550B</b>									
<b>Blank (5020087-BLK1)</b>		<b>Prepared: 02-Feb-05 Analyzed: 07-Feb-05</b>							
2,4-D	BRL	6.70 ug/kg wet							
2,4,5-T	BRL	6.70 ug/kg wet							
2,4,5-TP (Silvex)	BRL	6.70 ug/kg wet							
2,4-DB	BRL	6.70 ug/kg wet							
Dalapon	BRL	6.70 ug/kg wet							
Dicamba	BRL	6.70 ug/kg wet							
Dinoseb	BRL	6.70 ug/kg wet							
Dichlorprop	BRL	6.70 ug/kg wet							
MCPB	BRL	670 ug/kg wet							
MCPA	BRL	670 ug/kg wet							
MCPP	BRL	670 ug/kg wet							
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	12.0	ug/kg wet	13.3		90.2	40-140			
<b>LCS (5020087-BS1)</b>		<b>Prepared: 02-Feb-05 Analyzed: 07-Feb-05</b>							
2,4-D	15.2	6.70 ug/kg wet	20.0		76.0	40-140			
2,4,5-T	16.1	6.70 ug/kg wet	20.0		80.5	40-140			
2,4,5-TP (Silvex)	21.6	6.70 ug/kg wet	20.0		108	40-140			
2,4-DB	19.7	6.70 ug/kg wet	20.0		98.5	40-140			
Dalapon	18.6	6.70 ug/kg wet	20.0		93.0	40-140			
Dicamba	22.3	6.70 ug/kg wet	20.0		112	40-140			

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## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020087 - SW846 3550B</b>									
<b>LCS (5020087-BS1)</b>					Prepared: 02-Feb-05 Analyzed: 07-Feb-05				
Dinoseb	14.9	6.70 ug/kg wet	20.0		74.5	40-140			
Dichlorprop	19.5	6.70 ug/kg wet	20.0		97.5	40-140			
MCPB	8330	670 ug/kg wet	10000		83.3	40-140			
MCPA	12000	670 ug/kg wet	10000		120	40-140			
MCPP	5670	670 ug/kg wet	10000		56.7	40-140			
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	11.7	ug/kg wet	13.3		88.0	40-140			
<b>Duplicate (5020087-DUP1)</b>			Source: SA23461-11		Prepared: 02-Feb-05 Analyzed: 07-Feb-05				
2,4-D	BRL	6.70 ug/kg dry		BRL				30	
2,4,5-T	BRL	6.70 ug/kg dry		BRL				30	
2,4,5-TP (Silvex)	BRL	6.70 ug/kg dry		BRL				30	
2,4-DB	BRL	6.70 ug/kg dry		BRL				30	
Dalapon	BRL	6.70 ug/kg dry		BRL				30	
Dicamba	BRL	6.70 ug/kg dry		BRL				30	
Dinoseb	BRL	6.70 ug/kg dry		BRL				30	
Dichlorprop	BRL	6.70 ug/kg dry		BRL				30	
MCPB	BRL	670 ug/kg dry		BRL				30	
MCPA	BRL	670 ug/kg dry		BRL				30	
MCPP	BRL	670 ug/kg dry		BRL				30	
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	14.5	ug/kg dry	15.9		91.2	40-140			

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**Semivolatile Organic Compounds by GCMS - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Flag
<b>Batch 5020004 - SW846 3535</b>								
<b>LCS (5020004-BS1)</b>			Prepared: 01-Feb-05 Analyzed: 02-Feb-05					
N-Nitrosodimethylamine	68.3	2.50 ug/l	100		68.3	40-130		
N-Nitrosodiphenylamine	75.4	2.50 ug/l	100		75.4	40-130		
Phenanthrene	76.4	2.50 ug/l	100		76.4	40-130		
Phenol	71.8	2.50 ug/l	100		71.8	40-130		
Pyrene	72.3	2.50 ug/l	100		72.3	40-130		
Surrogate: 2-Fluorobiphenyl	72.2	ug/l	100		72.2	30-130		
Surrogate: 2-Fluorophenol	66.5	ug/l	100		66.5	15-110		
Surrogate: Nitrobenzene-d5	67.5	ug/l	100		67.5	30-130		
Surrogate: Phenol-d5	65.2	ug/l	100		65.2	15-110		
Surrogate: Terphenyl-d14	70.8	ug/l	100		70.8	30-130		
Surrogate: 2,4,6-Tribromophenol	82.4	ug/l	100		82.4	15-110		
<b>Duplicate (5020004-DUP1)</b>			Source: SA23426-04		Prepared: 01-Feb-05 Analyzed: 02-Feb-05			
Accenaphthene	BRL	10.0 ug/l		BRL			50	
Acenaphthylene	BRL	10.0 ug/l		BRL			50	
Anthracene	BRL	10.0 ug/l		BRL			50	
Azobenzene/Diphenyldiazine	BRL	10.0 ug/l		BRL			50	
Benzidine	BRL	10.0 ug/l		BRL			50	
Benzo (a) anthracene	BRL	10.0 ug/l		1.60			50	
Benzo (a) pyrene	BRL	10.0 ug/l		BRL			50	
Benzo (b) fluoranthene	BRL	10.0 ug/l		BRL			50	
Benzo (g,h,i) perylene	BRL	10.0 ug/l		BRL			50	
Benzo (k) fluoranthene	BRL	10.0 ug/l		BRL			50	
Benzoic acid	BRL	10.0 ug/l		BRL			50	
Benzyl alcohol	BRL	10.0 ug/l		BRL			50	
Bis(2-chloroethoxy)methane	BRL	10.0 ug/l		BRL			50	
Bis(2-chloroethyl)ether	BRL	10.0 ug/l		2.24			50	
Bis(2-chloroisopropyl)ether	BRL	10.0 ug/l		BRL			50	
Bis(2-ethylhexyl)phthalate	BRL	10.0 ug/l		BRL			50	
4-Bromophenyl phenyl ether	BRL	10.0 ug/l		BRL			50	
Butyl benzyl phthalate	BRL	10.0 ug/l		BRL			50	
4-Chloroaniline	BRL	10.0 ug/l		BRL			50	
2-Chloronaphthalene	BRL	10.0 ug/l		BRL			50	
4-Chlorophenyl phenyl ether	BRL	10.0 ug/l		BRL			50	
Chrysene	BRL	10.0 ug/l		1.60			50	
Dibenzo (a,h) anthracene	BRL	10.0 ug/l		BRL			50	
Dibenzofuran	BRL	10.0 ug/l		BRL			50	
1,2-Dichlorobenzene	BRL	10.0 ug/l		BRL			50	
1,3-Dichlorobenzene	BRL	10.0 ug/l		BRL			50	
1,4-Dichlorobenzene	BRL	10.0 ug/l		BRL			50	
3,3'-Dichlorobenzidine	BRL	10.0 ug/l		BRL			50	
Diethyl phthalate	BRL	10.0 ug/l		BRL			50	
Dimethyl phthalate	BRL	10.0 ug/l		BRL			50	
Di-n-butyl phthalate	BRL	10.0 ug/l		BRL			50	
2,4-Dinitrotoluene	BRL	10.0 ug/l		BRL			50	
2,6-Dinitrotoluene	BRL	10.0 ug/l		BRL			50	
Di-n-octyl phthalate	BRL	10.0 ug/l		BRL			50	
Fluoranthene	BRL	10.0 ug/l		BRL			50	
Fluorene	BRL	10.0 ug/l		BRL			50	
Hexachlorobenzene	BRL	10.0 ug/l		BRL			50	
Hexachlorobutadiene	BRL	10.0 ug/l		BRL			50	
Hexachlorocyclopentadiene	BRL	10.0 ug/l		BRL			50	
Hexachloroethane	BRL	10.0 ug/l		BRL			50	
Indeno (1,2,3-cd) pyrene	BRL	10.0 ug/l		BRL			50	
Isophorone	BRL	10.0 ug/l		BRL			50	

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**Semivolatile Organic Compounds by GCMS - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020004 - SW846 3535</b>									
<b>Duplicate (5020004-DUP1)</b>		<b>Source: SA23426-04</b>		<b>Prepared: 01-Feb-05 Analyzed: 02-Feb-05</b>					
2-Methylnaphthalene	BRL	10.0 ug/l		BRL				50	
Naphthalene	BRL	10.0 ug/l		BRL				50	
2-Nitroaniline	BRL	10.0 ug/l		BRL				50	
3-Nitroaniline	BRL	10.0 ug/l		BRL				50	
4-Nitroaniline	BRL	10.0 ug/l		BRL				50	
Nitrobenzene	BRL	10.0 ug/l		BRL				50	
N-Nitrosodimethylamine	BRL	10.0 ug/l		BRL				50	
N-Nitrosodiphenylamine	BRL	10.0 ug/l		BRL				50	
Phenanthrene	BRL	10.0 ug/l		BRL				50	
Phenol	BRL	10.0 ug/l		BRL				50	
Pyrene	BRL	10.0 ug/l		BRL				50	
<i>Surrogate: 2-Fluorobiphenyl</i>	131	ug/l	200		65.5	30-130			
<i>Surrogate: 2-Fluorophenol</i>	150	ug/l	200		75.0	15-110			
<i>Surrogate: Nitrobenzene-d5</i>	114	ug/l	200		57.0	30-130			
<i>Surrogate: Phenol-d5</i>	142	ug/l	200		71.0	15-110			
<i>Surrogate: Terphenyl-d14</i>	141	ug/l	200		70.5	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	120	ug/l	200		60.0	15-110			
<b>Batch 5020008 - SW846 3545A</b>									
<b>Blank (5020008-BLK1)</b>		<b>Prepared: 01-Feb-05 Analyzed: 06-Feb-05</b>							
N-Nitrosodimethylamine	BRL	33.4 ug/kg wet							
Bis(2-chloroethyl)ether	BRL	33.4 ug/kg wet							
Phenol	BRL	33.4 ug/kg wet							
1,3-Dichlorobenzene	BRL	33.4 ug/kg wet							
1,4-Dichlorobenzene	BRL	33.4 ug/kg wet							
1,2-Dichlorobenzene	BRL	33.4 ug/kg wet							
Benzyl alcohol	BRL	33.4 ug/kg wet							
Bis(2-chloroisopropyl)ether	BRL	33.4 ug/kg wet							
Hexachloroethane	BRL	33.4 ug/kg wet							
Nitrobenzene	BRL	33.4 ug/kg wet							
Isophorone	BRL	33.4 ug/kg wet							
Bis(2-chloroethoxy)methane	BRL	33.4 ug/kg wet							
Benzoic acid	BRL	33.4 ug/kg wet							
Naphthalene	BRL	33.4 ug/kg wet							
4-Chloroaniline	BRL	33.4 ug/kg wet							
Hexachlorobutadiene	BRL	33.4 ug/kg wet							
2-Methylnaphthalene	BRL	33.4 ug/kg wet							
Hexachlorocyclopentadiene	BRL	33.4 ug/kg wet							
2-Chloronaphthalene	BRL	33.4 ug/kg wet							
2-Nitroaniline	BRL	33.4 ug/kg wet							
Acenaphthylene	BRL	33.4 ug/kg wet							
Dimethyl phthalate	BRL	33.4 ug/kg wet							
2,6-Dinitrotoluene	BRL	33.4 ug/kg wet							
Acenaphthene	BRL	33.4 ug/kg wet							
3-Nitroaniline	BRL	33.4 ug/kg wet							
Dibenzofuran	BRL	33.4 ug/kg wet							
2,4-Dinitrotoluene	BRL	33.4 ug/kg wet							
Fluorene	BRL	33.4 ug/kg wet							
4-Chlorophenyl phenyl ether	BRL	33.4 ug/kg wet							
Diethyl phthalate	BRL	33.4 ug/kg wet							
4-Nitroaniline	BRL	33.4 ug/kg wet							
N-Nitrosodiphenylamine	BRL	33.4 ug/kg wet							
Azobenzene/Diphenyldiazine	BRL	33.4 ug/kg wet							
4-Bromophenyl phenyl ether	BRL	33.4 ug/kg wet							

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020008 - SW846 3545A</b>									
<b>Blank (5020008-BLK1)</b>			Prepared: 01-Feb-05 Analyzed: 06-Feb-05						
Hexachlorobenzene	BRL	33.4 ug/kg wet							
Phenanthrene	BRL	33.4 ug/kg wet							
Anthracene	BRL	33.4 ug/kg wet							
Di-n-butyl phthalate	BRL	33.4 ug/kg wet							
Fluoranthene	BRL	33.4 ug/kg wet							
Benzidine	BRL	33.4 ug/kg wet							
Pyrene	BRL	33.4 ug/kg wet							
Butyl benzyl phthalate	BRL	33.4 ug/kg wet							
3,3'-Dichlorobenzidine	BRL	33.4 ug/kg wet							
Benzo (a) anthracene	BRL	33.4 ug/kg wet							
Chrysene	BRL	33.4 ug/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	33.4 ug/kg wet							
Di-n-octyl phthalate	BRL	33.4 ug/kg wet							
Benzo (b) fluoranthene	BRL	33.4 ug/kg wet							
Benzo (k) fluoranthene	BRL	33.4 ug/kg wet							
Benzo (a) pyrene	BRL	33.4 ug/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	33.4 ug/kg wet							
Dibenzo (a,h) anthracene	BRL	33.4 ug/kg wet							
Benzo (g,h,i) perylene	BRL	33.4 ug/kg wet							
<i>Surrogate: 2-Fluorobiphenyl</i>	2380	ug/kg wet	3330		71.5	30-130			
<i>Surrogate: 2-Fluorophenol</i>	2610	ug/kg wet	3330		78.4	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	2290	ug/kg wet	3330		68.8	30-130			
<i>Surrogate: Phenol-d5</i>	2500	ug/kg wet	3330		75.1	30-130			
<i>Surrogate: Terphenyl-d14</i>	1850	ug/kg wet	3330		55.6	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	1890	ug/kg wet	3330		56.8	30-130			
<b>LCS (5020008-BS1)</b>			Prepared: 01-Feb-05 Analyzed: 06-Feb-05						
N-Nitrosodimethylamine	2660	33.4 ug/kg wet	3330		79.9	40-130			
Bis(2-chloroethyl)ether	2330	33.4 ug/kg wet	3330		70.0	40-130			
Phenol	2500	33.4 ug/kg wet	3330		75.1	40-130			
1,3-Dichlorobenzene	2440	33.4 ug/kg wet	3330		73.3	40-130			
1,4-Dichlorobenzene	2390	33.4 ug/kg wet	3330		71.8	40-130			
1,2-Dichlorobenzene	2470	33.4 ug/kg wet	3330		74.2	40-130			
Benzyl alcohol	1380	33.4 ug/kg wet	3330		41.4	40-130			
Bis(2-chloroisopropyl)ether	6930	33.4 ug/kg wet	3330		208	40-130			QC-1
Hexachloroethane	2510	33.4 ug/kg wet	3330		75.4	40-130			
Nitrobenzene	2560	33.4 ug/kg wet	3330		76.9	40-130			
Isophorone	2350	33.4 ug/kg wet	3330		70.6	40-130			
Bis(2-chloroethoxy)methane	1650	33.4 ug/kg wet	3330		49.5	40-130			
Benzoic acid	2740	33.4 ug/kg wet	3330		82.3	40-130			
Naphthalene	2340	33.4 ug/kg wet	3330		70.3	40-130			
4-Chloroaniline	135	33.4 ug/kg wet	3330		4.05	40-130			QC-1
Hexachlorobutadiene	2200	33.4 ug/kg wet	3330		66.1	40-130			QC-1
2-Methylnaphthalene	2320	33.4 ug/kg wet	3330		69.7	40-130			
Hexachlorocyclopentadiene	1020	33.4 ug/kg wet	3330		30.6	40-130			QC-1
2-Chloronaphthalene	2620	33.4 ug/kg wet	3330		78.7	40-130			
2-Nitroaniline	1510	33.4 ug/kg wet	3330		45.3	40-130			
Acenaphthylene	2300	33.4 ug/kg wet	3330		69.1	40-130			
Dimethyl phthalate	2640	33.4 ug/kg wet	3330		79.3	40-130			
2,6-Dinitrotoluene	3220	33.4 ug/kg wet	3330		96.7	40-130			
Acenaphthene	2570	33.4 ug/kg wet	3330		77.2	40-130			
3-Nitroaniline	355	33.4 ug/kg wet	3330		10.7	40-130			QC-1
Dibenzofuran	2460	33.4 ug/kg wet	3330		73.9	40-130			
2,4-Dinitrotoluene	2700	33.4 ug/kg wet	3330		81.1	40-130			
Fluorene	2630	33.4 ug/kg wet	3330		79.0	40-130			

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020008 - SW846 3545A</b>									
<b>Duplicate (5020008-DUP1)</b>		<b>Source: SA23461-11</b>		<b>Prepared: 01-Feb-05 Analyzed: 06-Feb-05</b>					
2,6-Dinitrotoluene	BRL	160 ug/kg dry		BRL				50	
Acenaphthene	BRL	160 ug/kg dry		BRL				50	
3-Nitroaniline	BRL	160 ug/kg dry		BRL				50	
Dibenzofuran	BRL	160 ug/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	160 ug/kg dry		BRL				50	
Fluorene	BRL	160 ug/kg dry		BRL				50	
4-Chlorophenyl phenyl ether	BRL	160 ug/kg dry		BRL				50	
Diethyl phthalate	BRL	160 ug/kg dry		BRL				50	
4-Nitroaniline	BRL	160 ug/kg dry		BRL				50	
N-Nitrosodiphenylamine	BRL	160 ug/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	160 ug/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	160 ug/kg dry		BRL				50	
Hexachlorobenzene	BRL	160 ug/kg dry		BRL				50	
Phenanthrene	BRL	160 ug/kg dry		BRL				50	
Anthracene	BRL	160 ug/kg dry		BRL				50	
Di-n-butyl phthalate	BRL	160 ug/kg dry		BRL				50	
Fluoranthene	BRL	160 ug/kg dry		BRL				50	
Benzidine	BRL	160 ug/kg dry		BRL				50	
Pyrene	BRL	160 ug/kg dry		BRL				50	
Butyl benzyl phthalate	BRL	160 ug/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	160 ug/kg dry		BRL				50	
Benzo (a) anthracene	BRL	160 ug/kg dry		BRL				50	
Chrysene	BRL	160 ug/kg dry		BRL				50	
Bis(2-ethylhexyl)phthalate	BRL	160 ug/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	160 ug/kg dry		BRL				50	
Benzo (b) fluoranthene	BRL	160 ug/kg dry		BRL				50	
Benzo (k) fluoranthene	BRL	160 ug/kg dry		BRL				50	
Benzo (a) pyrene	BRL	160 ug/kg dry		BRL				50	
Indeno (1,2,3-cd) pyrene	BRL	160 ug/kg dry		BRL				50	
Dibenzo (a,h) anthracene	BRL	160 ug/kg dry		BRL				50	
Benzo (g,h,i) perylene	BRL	160 ug/kg dry		BRL				50	
<i>Surrogate: 2-Fluorobiphenyl</i>	4100	ug/kg dry	7970		51.4	30-130			
<i>Surrogate: 2-Fluorophenol</i>	6290	ug/kg dry	7970		78.9	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	3640	ug/kg dry	7970		45.7	30-130			
<i>Surrogate: Phenol-d5</i>	5640	ug/kg dry	7970		70.8	30-130			
<i>Surrogate: Terphenyl-d14</i>	5240	ug/kg dry	7970		65.7	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4500	ug/kg dry	7970		56.5	30-130			
<b>Matrix Spike (5020008-MS1)</b>		<b>Source: SA23461-11</b>		<b>Prepared: 01-Feb-05 Analyzed: 06-Feb-05</b>					
Phenol	11100	79.7 ug/kg dry	15900	BRL	69.8	30-130			
1,4-Dichlorobenzene	5450	79.7 ug/kg dry	7960	BRL	68.5	40-140			
Acenaphthene	5470	79.7 ug/kg dry	7960	BRL	68.7	40-140			
2,4-Dinitrotoluene	3760	79.7 ug/kg dry	7960	BRL	47.2	40-140			
Pyrene	5550	79.7 ug/kg dry	7960	BRL	69.7	40-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	4820	ug/kg dry	7960		60.6	30-130			
<i>Surrogate: 2-Fluorophenol</i>	5510	ug/kg dry	7960		69.2	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	4900	ug/kg dry	7960		61.6	30-130			
<i>Surrogate: Phenol-d5</i>	5330	ug/kg dry	7960		67.0	30-130			
<i>Surrogate: Terphenyl-d14</i>	5250	ug/kg dry	7960		66.0	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5050	ug/kg dry	7960		63.4	30-130			
<b>Matrix Spike Dup (5020008-MSD1)</b>		<b>Source: SA23461-11</b>		<b>Prepared: 01-Feb-05 Analyzed: 06-Feb-05</b>					
Phenol	11500	79.7 ug/kg dry	15900	BRL	72.3	30-130	3.52	30	
1,4-Dichlorobenzene	5400	79.7 ug/kg dry	7960	BRL	67.8	40-140	1.03	30	
Acenaphthene	5450	79.7 ug/kg dry	7960	BRL	68.5	40-140	0.292	30	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC %REC	%RBC Limits	RPD	RPD Limit	Flag
<b>Batch 5020008 - SW846 3545A</b>									
<b>Matrix Spike Dup (5020008-MSD1)</b>		<b>Source: SA23461-11</b>		<b>Prepared: 01-Feb-05</b>		<b>Analyzed: 06-Feb-05</b>			
2,4-Dinitrotoluene	4130	79.7 ug/kg dry	7960	BRL	51.9	40-140	9.49	30	
Pyrene	5570	79.7 ug/kg dry	7960	BRL	70.0	40-140	0.429	30	
<i>Surrogate: 2-Fluorobiphenyl</i>	5030	ug/kg dry	7960		63.2	30-130			
<i>Surrogate: 2-Fluorophenol</i>	5510	ug/kg dry	7960		69.2	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	5170	ug/kg dry	7960		64.9	30-130			
<i>Surrogate: Phenol-d5</i>	5430	ug/kg dry	7960		68.2	30-130			
<i>Surrogate: Terphenyl-d4</i>	5260	ug/kg dry	7960		66.1	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5420	ug/kg dry	7960		68.1	30-130			
<b>Batch 5020146 - SW846 3550B</b>									
<b>Blank (5020146-BLK1)</b>		<b>Prepared &amp; Analyzed: 03-Feb-05</b>							
N-Nitrosodimethylamine	BRL	33.4 ug/kg wet							
Bis(2-chloroethyl)ether	BRL	33.4 ug/kg wet							
Phenol	BRL	33.4 ug/kg wet							
1,3-Dichlorobenzene	BRL	33.4 ug/kg wet							
1,4-Dichlorobenzene	BRL	33.4 ug/kg wet							
1,2-Dichlorobenzene	BRL	33.4 ug/kg wet							
Benzyl alcohol	BRL	33.4 ug/kg wet							
Bis(2-chloroisopropyl)ether	BRL	33.4 ug/kg wet							
Hexachloroethane	BRL	33.4 ug/kg wet							
Nitrobenzene	BRL	33.4 ug/kg wet							
Isophorone	BRL	33.4 ug/kg wet							
Bis(2-chloroethoxy)methane	BRL	33.4 ug/kg wet							
Benzoic acid	BRL	33.4 ug/kg wet							
Naphthalene	BRL	33.4 ug/kg wet							
4-Chloroaniline	BRL	33.4 ug/kg wet							
Hexachlorobutadiene	BRL	33.4 ug/kg wet							
2-Methylnaphthalene	BRL	33.4 ug/kg wet							
Hexachlorocyclopentadiene	BRL	33.4 ug/kg wet							
2-Chloronaphthalene	BRL	33.4 ug/kg wet							
2-Nitroaniline	BRL	33.4 ug/kg wet							
Acenaphthylene	BRL	33.4 ug/kg wet							
Dimethyl phthalate	BRL	33.4 ug/kg wet							
2,6-Dinitrotoluene	BRL	33.4 ug/kg wet							
Acenaphthene	BRL	33.4 ug/kg wet							
3-Nitroaniline	BRL	33.4 ug/kg wet							
Dibenzofuran	BRL	33.4 ug/kg wet							
2,4-Dinitrotoluene	BRL	33.4 ug/kg wet							
Fluorene	BRL	33.4 ug/kg wet							
4-Chlorophenyl phenyl ether	BRL	33.4 ug/kg wet							
Diethyl phthalate	BRL	33.4 ug/kg wet							
4-Nitroaniline	BRL	33.4 ug/kg wet							
N-Nitrosodiphenylamine	BRL	33.4 ug/kg wet							
Azobenzene/Diphenyldiazine	BRL	33.4 ug/kg wet							
4-Bromophenyl phenyl ether	BRL	33.4 ug/kg wet							
Hexachlorobenzene	BRL	33.4 ug/kg wet							
Phenanthrene	BRL	33.4 ug/kg wet							
Anthracene	BRL	33.4 ug/kg wet							
Di-n-butyl phthalate	BRL	33.4 ug/kg wet							
Fluoranthene	BRL	33.4 ug/kg wet							
Benzidine	BRL	33.4 ug/kg wet							
Pyrene	BRL	33.4 ug/kg wet							
Butyl benzyl phthalate	BRL	33.4 ug/kg wet							
3,3'-Dichlorobenzidine	BRL	33.4 ug/kg wet							

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020146 - SW846 3550B</b>									
<b>Blank (5020146-BLK1)</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>						
Benzo (a) anthracene	BRL	33.4 ug/kg wet							
Chrysene	BRL	33.4 ug/kg wet							
Bis(2-ethylhexyl)phthalate	BRL	33.4 ug/kg wet							
Di-n-octyl phthalate	BRL	33.4 ug/kg wet							
Benzo (b) fluoranthene	BRL	33.4 ug/kg wet							
Benzo (k) fluoranthene	BRL	33.4 ug/kg wet							
Benzo (a) pyrene	BRL	33.4 ug/kg wet							
Indeno (1,2,3-cd) pyrene	BRL	33.4 ug/kg wet							
Dibenzo (a,h) anthracene	BRL	33.4 ug/kg wet							
Benzo (g,h,i) perylene	BRL	33.4 ug/kg wet							
Surrogate: 2-Fluorobiphenyl	2630	ug/kg wet	3330		79.0	30-130			
Surrogate: 2-Fluorophenol	3000	ug/kg wet	3330		90.1	30-130			
Surrogate: Nitrobenzene-d5	2650	ug/kg wet	3330		79.6	30-130			
Surrogate: Phenol-d5	2970	ug/kg wet	3330		89.2	30-130			
Surrogate: Terphenyl-d14	2560	ug/kg wet	3330		76.9	30-130			
Surrogate: 2,4,6-Tribromophenol	2570	ug/kg wet	3330		77.2	30-130			
<b>LCS (5020146-BS1)</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>						
N-Nitrosodimethylamine	2730	33.4 ug/kg wet	3330		82.0	40-130			
Bis(2-chloroethyl)ether	2350	33.4 ug/kg wet	3330		70.6	40-130			
Phenol	3030	33.4 ug/kg wet	3330		91.0	40-130			
1,3-Dichlorobenzene	2600	33.4 ug/kg wet	3330		78.1	40-130			
1,4-Dichlorobenzene	2550	33.4 ug/kg wet	3330		76.6	40-130			
1,2-Dichlorobenzene	2620	33.4 ug/kg wet	3330		78.7	40-130			
Benzyl alcohol	3270	33.4 ug/kg wet	3330		98.2	40-130			
Bis(2-chloroisopropyl)ether	6890	33.4 ug/kg wet	3330		207	40-130			QC-1
Hexachloroethane	2570	33.4 ug/kg wet	3330		77.2	40-130			
Nitrobenzene	2520	33.4 ug/kg wet	3330		75.7	40-130			
Isophorone	2580	33.4 ug/kg wet	3330		77.5	40-130			
Bis(2-chloroethoxy)methane	2530	33.4 ug/kg wet	3330		76.0	40-130			
Benzoic acid	3450	33.4 ug/kg wet	3330		104	40-130			
Naphthalene	2410	33.4 ug/kg wet	3330		72.4	40-130			
4-Chloroaniline	1460	33.4 ug/kg wet	3330		43.8	40-130			
Hexachlorobutadiene	2420	33.4 ug/kg wet	3330		72.7	40-130			
2-Methylnaphthalene	2450	33.4 ug/kg wet	3330		73.6	40-130			
Hexachlorocyclopentadiene	1670	33.4 ug/kg wet	3330		50.2	40-130			
2-Chloronaphthalene	2720	33.4 ug/kg wet	3330		81.7	40-130			
2-Nitroaniline	2730	33.4 ug/kg wet	3330		82.0	40-130			
Acenaphthylene	2870	33.4 ug/kg wet	3330		86.2	40-130			
Dimethyl phthalate	2840	33.4 ug/kg wet	3330		85.3	40-130			
2,6-Dinitrotoluene	3530	33.4 ug/kg wet	3330		106	40-130			
Acenaphthene	2720	33.4 ug/kg wet	3330		81.7	40-130			
3-Nitroaniline	2140	33.4 ug/kg wet	3330		64.3	40-130			
Dibenzofuran	2610	33.4 ug/kg wet	3330		78.4	40-130			
2,4-Dinitrotoluene	3020	33.4 ug/kg wet	3330		90.7	40-130			
Fluorene	2830	33.4 ug/kg wet	3330		85.0	40-130			
4-Chlorophenyl phenyl ether	2770	33.4 ug/kg wet	3330		83.2	40-130			
Diethyl phthalate	2810	33.4 ug/kg wet	3330		84.4	40-130			
4-Nitroaniline	2420	33.4 ug/kg wet	3330		72.7	40-130			
N-Nitrosodiphenylamine	2780	33.4 ug/kg wet	3330		83.5	40-130			
Azobenzene/Diphenyldiazine	2430	33.4 ug/kg wet	3330		73.0	40-130			
4-Bromophenyl phenyl ether	2860	33.4 ug/kg wet	3330		85.9	40-130			
Hexachlorobenzene	2910	33.4 ug/kg wet	3330		87.4	40-130			
Phenanthrene	2970	33.4 ug/kg wet	3330		89.2	40-130			
Anthracene	2930	33.4 ug/kg wet	3330		88.0	40-130			

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## Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020146 - SW846 3550B</b>									
<b>LCS (5020146-BS1)</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>						
Di-n-butyl phthalate	2870	33.4 ug/kg wet	3330		86.2	40-130			
Fluoranthene	3410	33.4 ug/kg wet	3330		102	40-130			
Benzidine	25.7	33.4 ug/kg wet	3330		0.772	40-130			QC-1
Pyrene	2610	33.4 ug/kg wet	3330		78.4	40-130			
Butyl benzyl phthalate	2710	33.4 ug/kg wet	3330		81.4	40-130			
3,3'-Dichlorobenzidine	2430	33.4 ug/kg wet	3330		73.0	40-130			
Benzo (a) anthracene	2960	33.4 ug/kg wet	3330		88.9	40-130			
Chrysene	2830	33.4 ug/kg wet	3330		85.0	40-130			
Bis(2-ethylhexyl)phthalate	2670	33.4 ug/kg wet	3330		80.2	40-130			
Di-n-octyl phthalate	2990	33.4 ug/kg wet	3330		89.8	40-130			
Benzo (b) fluoranthene	3120	33.4 ug/kg wet	3330		93.7	40-130			
Benzo (k) fluoranthene	2830	33.4 ug/kg wet	3330		85.0	40-130			
Benzo (a) pyrene	2900	33.4 ug/kg wet	3330		87.1	40-130			
Indeno (1,2,3-cd) pyrene	2800	33.4 ug/kg wet	3330		84.1	40-130			
Dibenzo (a,h) anthracene	2450	33.4 ug/kg wet	3330		73.6	40-130			
Benzo (g,h,i) perylene	2850	33.4 ug/kg wet	3330		85.6	40-130			
Surrogate: 2-Fluorobiphenyl	2850	ug/kg wet	3330		85.6	30-130			
Surrogate: 2-Fluorophenol	2680	ug/kg wet	3330		80.5	15-110			
Surrogate: Nitrobenzene-d5	2810	ug/kg wet	3330		84.4	30-130			
Surrogate: Phenol-d5	2690	ug/kg wet	3330		80.8	15-110			
Surrogate: Terphenyl-d14	2630	ug/kg wet	3330		79.0	30-130			
Surrogate: 2,4,6-Tribromophenol	3280	ug/kg wet	3330		98.5	15-110			
<b>Duplicate (5020146-DUP1)</b>			<b>Source: SA23461-21</b>		<b>Prepared &amp; Analyzed: 03-Feb-05</b>				
N-Nitrosodimethylamine	BRL	242 ug/kg dry		BRL				50	
Bis(2-chloroethyl)ether	BRL	242 ug/kg dry		BRL				50	
Phenol	BRL	242 ug/kg dry		BRL				50	
1,3-Dichlorobenzene	BRL	242 ug/kg dry		BRL				50	
1,4-Dichlorobenzene	BRL	242 ug/kg dry		BRL				50	
1,2-Dichlorobenzene	BRL	242 ug/kg dry		BRL				50	
Benzyl alcohol	BRL	242 ug/kg dry		BRL				50	
Bis(2-chloroisopropyl)ether	BRL	242 ug/kg dry		BRL				50	
Hexachloroethane	BRL	242 ug/kg dry		BRL				50	
Nitrobenzene	BRL	242 ug/kg dry		BRL				50	
Isophorone	BRL	242 ug/kg dry		BRL				50	
Bis(2-chloroethoxy)methane	BRL	242 ug/kg dry		BRL				50	
Benzoic acid	BRL	242 ug/kg dry		BRL				50	
Naphthalene	BRL	242 ug/kg dry		BRL				50	
4-Chloroaniline	BRL	242 ug/kg dry		BRL				50	
Hexachlorobutadiene	BRL	242 ug/kg dry		BRL				50	
2-Methylnaphthalene	BRL	242 ug/kg dry		BRL				50	
Hexachlorocyclopentadiene	BRL	242 ug/kg dry		BRL				50	
2-Chloronaphthalene	BRL	242 ug/kg dry		BRL				50	
2-Nitroaniline	BRL	242 ug/kg dry		BRL				50	
Acenaphthylene	BRL	242 ug/kg dry		334			54.5	50	QC-1
Dimethyl phthalate	BRL	242 ug/kg dry		BRL				50	
2,6-Dinitrotoluene	BRL	242 ug/kg dry		BRL				50	
Acenaphthene	BRL	242 ug/kg dry		BRL				50	
3-Nitroaniline	BRL	242 ug/kg dry		BRL				50	
Dibenzofuran	BRL	242 ug/kg dry		BRL				50	
2,4-Dinitrotoluene	BRL	242 ug/kg dry		BRL				50	
Fluorene	BRL	242 ug/kg dry		98.1				50	
4-Chlorophenyl phenyl ether	BRL	242 ug/kg dry		BRL				50	
Diethyl phthalate	BRL	242 ug/kg dry		BRL				50	
4-Nitroaniline	BRL	242 ug/kg dry		BRL				50	

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**Semivolatile Organic Compounds by GCMS - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020146 - SW846 3550B</b>									
<b>Duplicate (5020146-DUP1)</b>		<b>Source: SA23461-21</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>				
N-Nitrosodiphenylamine	BRL	242 ug/kg dry		BRL				50	
Azobenzene/Diphenyldiazine	BRL	242 ug/kg dry		BRL				50	
4-Bromophenyl phenyl ether	BRL	242 ug/kg dry		BRL				50	
Hexachlorobenzene	BRL	242 ug/kg dry		BRL				50	
Phenanthrene	624	242 ug/kg dry		1190			62.4	50	QM-04
Anthracene	298	242 ug/kg dry		459			42.5	50	
Di-n-butyl phthalate	BRL	242 ug/kg dry		BRL				50	
Fluoranthene	2550	242 ug/kg dry		4890			62.9	50	QM-04
Benzidine	BRL	242 ug/kg dry		BRL				50	
Pyrene	1880	242 ug/kg dry		3960			71.2	50	QM-04
Butyl benzyl phthalate	BRL	242 ug/kg dry		BRL				50	
3,3'-Dichlorobenzidine	BRL	242 ug/kg dry		BRL				50	
Benzo (a) anthracene	1160	242 ug/kg dry		2300			65.9	50	QM-04
Chrysene	1320	242 ug/kg dry		2360			56.5	50	QM-04
Bis(2-ethylhexyl)phthalate	BRL	242 ug/kg dry		BRL				50	
Di-n-octyl phthalate	BRL	242 ug/kg dry		BRL				50	
Benzo (b) fluoranthene	1040	242 ug/kg dry		1940			60.4	50	QM-04
Benzo (k) fluoranthene	1030	242 ug/kg dry		1850			56.9	50	QM-04
Benzo (a) pyrene	1420	242 ug/kg dry		2710			62.5	50	QM-04
Indeno (1,2,3-cd) pyrene	740	242 ug/kg dry		1420			63.0	50	QM-04
Dibenzo (a,h) anthracene	BRL	242 ug/kg dry		434			68.3	50	QM-04
Benzo (g,h,i) perylene	1080	242 ug/kg dry		2040			61.5	50	QM-04
<i>Surrogate: 2-Fluorobiphenyl</i>	9190	ug/kg dry	12100		76.0	30-130			
<i>Surrogate: 2-Fluorophenol</i>	10700	ug/kg dry	12100		88.4	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	8210	ug/kg dry	12100		67.9	30-130			
<i>Surrogate: Phenol-d5</i>	9430	ug/kg dry	12100		77.9	30-130			
<i>Surrogate: Terphenyl-dl4</i>	7470	ug/kg dry	12100		61.7	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	8470	ug/kg dry	12100		70.0	30-130			
<b>Matrix Spike (5020146-MS1)</b>		<b>Source: SA23461-21</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>				
Phenol	17500	120 ug/kg dry	24000	BRL	72.9	30-130			
1,4-Dichlorobenzene	8760	120 ug/kg dry	12000	BRL	73.0	40-140			
Acenaphthene	9090	120 ug/kg dry	12000	BRL	75.8	40-140			
2,4-Dinitrotoluene	8320	120 ug/kg dry	12000	BRL	69.3	40-140			
Pyrene	12300	120 ug/kg dry	12000	3960	69.5	40-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	10100	ug/kg dry	12000		84.2	30-130			
<i>Surrogate: 2-Fluorophenol</i>	9650	ug/kg dry	12000		80.4	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	9810	ug/kg dry	12000		81.8	30-130			
<i>Surrogate: Phenol-d5</i>	8550	ug/kg dry	12000		71.2	30-130			
<i>Surrogate: Terphenyl-dl4</i>	8160	ug/kg dry	12000		68.0	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	9750	ug/kg dry	12000		81.2	30-130			
<b>Matrix Spike Dup (5020146-MSD1)</b>		<b>Source: SA23461-21</b>			<b>Prepared &amp; Analyzed: 03-Feb-05</b>				
Phenol	17100	121 ug/kg dry	24300	BRL	70.4	30-130	3.49	30	
1,4-Dichlorobenzene	8500	121 ug/kg dry	12100	BRL	70.2	40-140	3.91	30	
Acenaphthene	9030	121 ug/kg dry	12100	BRL	74.6	40-140	1.60	30	
2,4-Dinitrotoluene	8250	121 ug/kg dry	12100	BRL	68.2	40-140	1.60	30	
Pyrene	10300	121 ug/kg dry	12100	3960	52.4	40-140	28.1	30	
<i>Surrogate: 2-Fluorobiphenyl</i>	11100	ug/kg dry	12100		91.7	30-130			
<i>Surrogate: 2-Fluorophenol</i>	10300	ug/kg dry	12100		85.1	30-130			
<i>Surrogate: Nitrobenzene-d5</i>	10600	ug/kg dry	12100		87.6	30-130			
<i>Surrogate: Phenol-d5</i>	9320	ug/kg dry	12100		77.0	30-130			
<i>Surrogate: Terphenyl-dl4</i>	8760	ug/kg dry	12100		72.4	30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	10900	ug/kg dry	12100		90.1	30-130			

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**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020069 - SW846 3010A</b>									
<b>Blank (5020069-BLK1)</b>									
Prepared: 02-Feb-05 Analyzed: 04-Feb-05									
Selenium	BRL	0.0075 mg/l							
Lead	BRL	0.0038 mg/l							
Chromium	BRL	0.0025 mg/l							
Cadmium	BRL	0.0012 mg/l							
Barium	BRL	0.0025 mg/l							
Arsenic	BRL	0.0400 mg/l							
Silver	BRL	0.0050 mg/l							
<b>LCS (5020069-BS1)</b>									
Prepared: 02-Feb-05 Analyzed: 04-Feb-05									
Lead	0.0860	0.0038 mg/l	0.100		86.0	85-115			
Selenium	0.0858	0.0075 mg/l	0.100		85.8	85-115			
Arsenic	0.0982	0.0040 mg/l	0.100		98.2	85-115			
Chromium	0.0895	0.0025 mg/l	0.100		89.5	85-115			
Cadmium	0.0907	0.0012 mg/l	0.100		90.7	85-115			
Barium	0.0886	0.0025 mg/l	0.100		88.6	85-115			
Silver	0.0452	0.0020 mg/l	0.0500		90.4	85-115			
<b>LCS Dup (5020069-BSD1)</b>									
Prepared: 02-Feb-05 Analyzed: 04-Feb-05									
Selenium	0.0888	0.0075 mg/l	0.100		88.8	85-115	3.44	20	
Lead	0.0870	0.0038 mg/l	0.100		87.0	85-115	1.16	20	
Chromium	0.0902	0.0025 mg/l	0.100		90.2	85-115	0.779	20	
Cadmium	0.0902	0.0012 mg/l	0.100		90.2	85-115	0.553	20	
Arsenic	0.0968	0.0040 mg/l	0.100		96.8	85-115	1.44	20	
Barium	0.0891	0.0025 mg/l	0.100		89.1	85-115	0.563	20	
Silver	0.0429	0.0020 mg/l	0.0500		85.8	85-115	5.22	20	
<b>Duplicate (5020069-DUP1)</b>									
Source: SA23461-25 Prepared: 02-Feb-05 Analyzed: 04-Feb-05									
Selenium	BRL	0.0075 mg/l		BRL				20	
Lead	4.38	0.0038 mg/l		4.35			0.687	20	
Silver	BRL	0.0050 mg/l		BRL				20	
Arsenic	BRL	0.0400 mg/l		0.0395			1.27	20	
Barium	0.531	0.0025 mg/l		0.529			0.377	20	
Cadmium	0.0075	0.0012 mg/l		0.0075			0.00	20	
Chromium	0.0280	0.0025 mg/l		0.0316			12.1	20	
<b>Matrix Spike (5020069-MS1)</b>									
Source: SA23461-26 Prepared: 02-Feb-05 Analyzed: 04-Feb-05									
Lead	0.0714	0.0038 mg/l	0.100	0.0028	68.6	75-125			QM-07
Selenium	0.0686	0.0075 mg/l	0.100	BRL	68.6	75-125			QM-07
Barium	0.0760	0.0025 mg/l	0.100	BRL	76.0	75-125			
Cadmium	0.0753	0.0012 mg/l	0.100	BRL	75.3	75-125			
Chromium	0.0755	0.0025 mg/l	0.100	BRL	75.5	75-125			
Arsenic	0.0773	0.0040 mg/l	0.100	0.0055	71.8	75-125			QM-07
Silver	0.0504	0.0050 mg/l	0.0500	BRL	101	75-125			
<b>Matrix Spike Dup (5020069-MSD1)</b>									
Source: SA23461-26 Prepared: 02-Feb-05 Analyzed: 04-Feb-05									
Lead	0.0714	0.0038 mg/l	0.100	0.0028	68.6	75-125	0.00	20	QM-07
Selenium	0.0688	0.0075 mg/l	0.100	BRL	68.8	75-125	0.291	20	QM-07
Chromium	0.0758	0.0025 mg/l	0.100	BRL	75.8	75-125	0.397	20	
Cadmium	0.0749	0.0012 mg/l	0.100	BRL	74.9	75-125	0.533	20	QM-07
Silver	0.0506	0.0050 mg/l	0.0500	BRL	101	75-125	0.396	20	
Arsenic	0.0777	0.0040 mg/l	0.100	0.0055	72.2	75-125	0.516	20	QM-07
Barium	0.0769	0.0025 mg/l	0.100	BRL	76.9	75-125	1.18	20	
<b>Batch 5020098 - SW846 3050B</b>									
<b>Blank (5020098-BLK1)</b>									
Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Lead	BRL	1.50 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							

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**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020098 - SW846 3050B</b>									
<b>Blank (5020098-BLK1)</b> Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Arsenic	BRL	3.00 mg/kg wet							
Silver	BRL	2.00 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
<b>LCS (5020098-BS1)</b> Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Lead	0.966	0.0150 mg/kg wet	1.00		96.6	85-115			
Selenium	0.990	0.0300 mg/kg wet	1.00		99.0	85-115			
Cadmium	0.951	0.0050 mg/kg wet	1.00		95.1	85-115			
Silver	0.989	0.0400 mg/kg wet	1.00		98.9	85-115			
Arsenic	0.991	0.0300 mg/kg wet	1.00		99.1	85-115			
Chromium	0.967	0.0100 mg/kg wet	1.00		96.7	85-115			
Barium	0.938	0.0100 mg/kg wet	1.00		93.8	85-115			
<b>Duplicate (5020098-DUP1)</b> Source: SA23461-01 Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Selenium	BRL	3.25 mg/kg dry		BRL					35
Lead	184	1.63 mg/kg dry		136			30.0		35
Chromium	11.4	1.08 mg/kg dry		13.1			13.9		35
Cadmium	1.15	0.542 mg/kg dry		1.02			12.0		35
Silver	BRL	2.17 mg/kg dry		BRL					35
Arsenic	BRL	3.25 mg/kg dry		BRL					35
Barium	29.1	1.08 mg/kg dry		40.2			32.0		35
<b>Duplicate (5020098-DUP2)</b> Source: SA23461-19 Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Lead	356	1.73 mg/kg dry		345			3.14		35
Selenium	BRL	3.47 mg/kg dry		BRL					35
Arsenic	11.0	3.47 mg/kg dry		12.9			15.9		35
Silver	2.35	2.31 mg/kg dry		BRL					35
Chromium	31.9	1.16 mg/kg dry		25.8			21.1		35
Cadmium	1.58	0.578 mg/kg dry		1.84			15.2		35
Barium	77.8	1.16 mg/kg dry		70.3			10.1		35
<b>Matrix Spike (5020098-MS1)</b> Source: SA23461-02 Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Selenium	83.1	3.00 mg/kg dry	100	BRL	83.1	75-125			
Lead	243	1.50 mg/kg dry	100	200	43.0	75-125			QM-07
Cadmium	84.5	0.501 mg/kg dry	100	1.02	83.5	75-125			
Arsenic	90.8	3.00 mg/kg dry	100	BRL	90.8	75-125			
Silver	44.7	2.00 mg/kg dry	50.1	BRL	89.2	75-125			
Chromium	96.5	1.00 mg/kg dry	100	9.72	86.8	75-125			
Barium	115	1.00 mg/kg dry	100	25.8	89.2	75-125			
<b>Matrix Spike (5020098-MS2)</b> Source: SA23461-20 Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Lead	766	1.73 mg/kg dry	115	598	146	75-125			QM-07
Selenium	104	3.46 mg/kg dry	115	BRL	90.4	75-125			
Cadmium	99.3	0.576 mg/kg dry	115	3.55	83.3	75-125			
Arsenic	119	3.46 mg/kg dry	115	13.1	92.1	75-125			
Chromium	120	1.15 mg/kg dry	115	15.8	90.6	75-125			
Silver	52.8	2.31 mg/kg dry	57.6	BRL	91.7	75-125			
Barium	191	1.15 mg/kg dry	115	56.6	117	75-125			
<b>Matrix Spike Dup (5020098-MSD1)</b> Source: SA23461-02 Prepared: 02-Feb-05 Analyzed: 05-Feb-05									
Lead	229	1.51 mg/kg dry	100	200	29.0	75-125	5.93		35 QM-07
Selenium	83.3	3.01 mg/kg dry	100	BRL	83.3	75-125	0.240		35
Cadmium	85.0	0.502 mg/kg dry	100	1.02	84.0	75-125	0.590		35
Chromium	97.5	1.00 mg/kg dry	100	9.72	87.8	75-125	1.03		35
Arsenic	88.9	3.01 mg/kg dry	100	BRL	88.9	75-125	2.11		35
Silver	45.3	2.01 mg/kg dry	50.2	BRL	90.2	75-125	1.33		35

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**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020098 - SW846 3050B</b>									
<b>Matrix Spike Dup (5020098-MSD1)</b>		<b>Source: SA23461-02</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Barium	129	1.00 mg/kg dry	100	25.8	103	75-125	11.5	35	
<b>Matrix Spike Dup (5020098-MSD2)</b>		<b>Source: SA23461-20</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Selenium	107	3.52 mg/kg dry	117	BRL	91.5	75-125	2.84	35	
Lead	673	1.76 mg/kg dry	117	598	64.1	75-125	12.9	35	QM-07
Silver	54.4	2.34 mg/kg dry	58.6	BRL	92.8	75-125	2.99	35	
Arsenic	127	3.52 mg/kg dry	117	13.1	97.4	75-125	6.50	35	
Cadmium	103	0.586 mg/kg dry	117	3.55	85.0	75-125	3.66	35	
Chromium	136	1.17 mg/kg dry	117	15.8	103	75-125	12.5	35	
Barium	187	1.17 mg/kg dry	117	56.6	111	75-125	2.12	35	
<b>Reference (5020098-SRM1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Selenium	99.8	3.00 mg/kg wet	112		89.1	85-115			
Lead	111	1.50 mg/kg wet	125		88.8	85-115			
Arsenic	65.1	3.00 mg/kg wet	70.7		92.1	85-115			
Silver	23.7	2.00 mg/kg wet	25.7		92.2	85-115			
<b>Reference (5020098-SRM2)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Selenium	102	3.00 mg/kg wet	108		94.4	85-115			
Lead	111	1.50 mg/kg wet	121		91.7	85-115			
Chromium	46.6	1.00 mg/kg wet	54.7		85.2	85-115			
Arsenic	63.4	3.00 mg/kg wet	68.5		92.6	85-115			
Cadmium	93.8	0.500 mg/kg wet	110		85.3	85-115			
Silver	23.3	2.00 mg/kg wet	24.9		93.6	85-115			
<b>Batch 5020099 - SW846 3050B</b>									
<b>Blank (5020099-BLK1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	BRL	1.50 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Silver	BRL	2.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
<b>LCS (5020099-BS1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	0.973	0.0150 mg/kg wet	1.00		97.3	85-115			
Selenium	1.02	0.0300 mg/kg wet	1.00		102	85-115			
Silver	0.975	0.0400 mg/kg wet	1.00		97.5	85-115			
Cadmium	0.961	0.0050 mg/kg wet	1.00		96.1	85-115			
Arsenic	1.00	0.0300 mg/kg wet	1.00		100	85-115			
Chromium	0.976	0.0100 mg/kg wet	1.00		97.6	85-115			
Barium	0.950	0.0100 mg/kg wet	1.00		95.0	85-115			
<b>Duplicate (5020099-DUP1)</b>		<b>Source: SA23461-21</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	2440	2.49 mg/kg dry		2190			10.8	35	
Selenium	BRL	4.98 mg/kg dry		BRL				35	
Chromium	10.1	1.66 mg/kg dry		11.1			9.43	35	
Cadmium	2.77	0.829 mg/kg dry		3.17			13.5	35	
Silver	BRL	3.32 mg/kg dry		BRL				35	
Arsenic	13.3	4.98 mg/kg dry		18.2			31.1	35	
Barium	168	1.66 mg/kg dry		199			16.9	35	
<b>Matrix Spike (5020099-MS1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	2150	1.73 mg/kg dry	115	2290	NR	75-125			QM-4X
Selenium	107	3.46 mg/kg dry	115	BRL	93.0	75-125			
Chromium	116	1.15 mg/kg dry	115	13.4	89.2	75-125			
Silver	52.6	2.30 mg/kg dry	57.6	BRL	91.3	75-125			

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**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020099 - SW846 3050B</b>									
<b>Matrix Spike (5020099-MS1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Cadmium	101	0.576 mg/kg dry	115	1.71	86.3	75-125			
Arsenic	128	3.46 mg/kg dry	115	16.7	96.8	75-125			
Barium	355	1.15 mg/kg dry	115	135	191	75-125			QM-07
<b>Matrix Spike Dup (5020099-MSD1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	2110	1.65 mg/kg dry	110	2290	NR	75-125	1.88	35	QM-4X
Selenium	95.0	3.31 mg/kg dry	110	BRL	86.4	75-125	11.9	35	
Silver	55.5	2.21 mg/kg dry	55.1	BRL	101	75-125	5.37	35	
Cadmium	104	0.551 mg/kg dry	110	1.71	93.0	75-125	2.93	35	
Chromium	122	1.10 mg/kg dry	110	13.4	98.7	75-125	5.04	35	
Arsenic	121	3.31 mg/kg dry	110	16.7	94.8	75-125	5.62	35	
Barium	288	1.10 mg/kg dry	110	135	139	75-125	20.8	35	QM-07
<b>Reference (5020099-SRM1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	118	1.50 mg/kg wet	122		96.7	85-115			
Selenium	102	3.00 mg/kg wet	109		93.6	85-115			
Silver	26.0	2.00 mg/kg wet	25.0		104	85-115			
Cadmium	99.3	0.500 mg/kg wet	111		89.5	85-115			
Arsenic	68.7	3.00 mg/kg wet	68.7		100	85-115			
<b>Reference (5020099-SRM2)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Selenium	107	3.00 mg/kg wet	111		96.4	85-115			
Lead	116	1.50 mg/kg wet	124		93.5	85-115			
Cadmium	97.2	0.500 mg/kg wet	113		86.0	85-115			
Arsenic	66.5	3.00 mg/kg wet	70.0		95.0	85-115			
Silver	25.8	2.00 mg/kg wet	25.4		102	85-115			
<b>Batch 5020100 - EPA200/SW7000 Series</b>									
<b>Blank (5020100-BLK1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.179 mg/kg wet							
<b>LCS (5020100-BS1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.946	0.179 mg/kg wet	0.893		106	80-120			
<b>Duplicate (5020100-DUP1)</b>		<b>Source: SA23461-01</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.193 mg/kg dry		0.132			20.9	35	
<b>Duplicate (5020100-DUP2)</b>		<b>Source: SA23461-19</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	1.25	0.193 mg/kg dry		6.37			134	35	QR-05
<b>Matrix Spike (5020100-MS1)</b>		<b>Source: SA23461-02</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.556	0.184 mg/kg dry	0.427	0.108	105	75-125			
<b>Matrix Spike (5020100-MS2)</b>		<b>Source: SA23461-20</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	1.40	0.186 mg/kg dry	0.432	0.921	111	75-125			
<b>Matrix Spike Dup (5020100-MSD1)</b>		<b>Source: SA23461-02</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.616	0.192 mg/kg dry	0.446	0.108	114	75-125	10.2	35	
<b>Matrix Spike Dup (5020100-MSD2)</b>		<b>Source: SA23461-20</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	1.58	0.197 mg/kg dry	0.459	0.921	144	75-125	12.1	35	QM-07
<b>Reference (5020100-SRM1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	1.16	0.179 mg/kg wet	1.30		89.2	85-115			
<b>Batch 5020101 - EPA200/SW7000 Series</b>									
<b>Blank (5020101-BLK1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 07-Feb-05</b>			
Mercury	BRL	0.179 mg/kg wet							
<b>LCS (5020101-BS1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 07-Feb-05</b>			
Mercury	0.879	0.179 mg/kg wet	0.893		98.4	80-120			

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**Total Metals by EPA 6000/7000 Series Methods, Prepared by SW846 3050B - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020101 - EPA200/SW7000 Series</b>									
<b>Duplicate (5020101-DUP1)</b>		Source: SA23461-21		Prepared: 03-Feb-05 Analyzed: 07-Feb-05					
Mercury	1.59	0.287 mg/kg dry		1.73			8.43	35	
<b>Matrix Spike (5020101-MS1)</b>		Source: SA23461-22		Prepared: 03-Feb-05 Analyzed: 07-Feb-05					
Mercury	3.61	0.200 mg/kg dry	0.465	2.78	178	75-125			QM-02
<b>Matrix Spike Dup (5020101-MSD1)</b>		Source: SA23461-22		Prepared: 03-Feb-05 Analyzed: 07-Feb-05					
Mercury	2.09	0.185 mg/kg dry	0.431	2.78	NR	75-125	53.3	35	QM-02

**Total Metals by EPA 200 Series Methods - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag	
<b>Batch 5020071 - EPA200/SW7000 Series</b>										
<b>Blank (5020071-BLK1)</b>										Prepared: 02-Feb-05 Analyzed: 03-Feb-05
Mercury	BRL	0.00020 mg/l								
<b>LCS (5020071-BS1)</b>										Prepared: 02-Feb-05 Analyzed: 03-Feb-05
Mercury	0.00445	0.00020 mg/l	0.00500		89.0	80-120				
<b>Duplicate (5020071-DUP1)</b>		Source: SA23461-26		Prepared: 02-Feb-05 Analyzed: 03-Feb-05						
Mercury	BRL	0.00020 mg/l		BRL				20		
<b>Matrix Spike (5020071-MS1)</b>		Source: SA23461-25		Prepared: 02-Feb-05 Analyzed: 03-Feb-05						
Mercury	0.0172	0.00020 mg/l	0.00500	0.0123	98.0	75-125				
<b>Matrix Spike Dup (5020071-MSD1)</b>		Source: SA23461-25		Prepared: 02-Feb-05 Analyzed: 03-Feb-05						
Mercury	0.0186	0.00020 mg/l	0.00500	0.0123	126	75-125	7.82	20	QM-07	

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

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020091 - SW846 1312</b>								
<b>Blank (5020091-BLK1)</b>			Prepared & Analyzed: 01-Feb-05					
SPLP Extraction	Completed	N/A						
<b>Batch 5020094 - SW846 3010A</b>								
<b>Blank (5020094-BLK1)</b>			Prepared: 02-Feb-05 Analyzed: 03-Feb-05					
Selenium	BRL	0.0150 mg/l						
Lead	BRL	0.0075 mg/l						
Arsenic	BRL	0.0150 mg/l						
Silver	BRL	0.0100 mg/l						
Chromium	BRL	0.0050 mg/l						
Cadmium	BRL	0.0025 mg/l						
Barium	BRL	0.0050 mg/l						
<b>LCS (5020094-BS1)</b>			Prepared: 02-Feb-05 Analyzed: 03-Feb-05					
Selenium	1.02	0.0300 mg/l	1.00		102	85-115		
Lead	0.910	0.0075 mg/l	1.00		91.0	85-115		
Chromium	0.952	0.0050 mg/l	1.00		95.2	85-115		
Cadmium	0.925	0.0025 mg/l	1.00		92.5	85-115		
Silver	0.513	0.0200 mg/l	0.500		103	85-115		
Arsenic	0.920	0.0150 mg/l	1.00		92.0	85-115		
Barium	0.937	0.0050 mg/l	1.00		93.7	85-115		
<b>LCS Dup (5020094-BSD1)</b>			Prepared: 02-Feb-05 Analyzed: 03-Feb-05					
Selenium	1.02	0.0300 mg/l	1.00		102	85-115	0.00	20
Lead	0.854	0.0075 mg/l	1.00		85.4	85-115	6.35	20
Silver	0.513	0.0200 mg/l	0.500		103	85-115	0.00	20
Arsenic	0.858	0.0150 mg/l	1.00		85.8	85-115	6.97	20
Cadmium	0.854	0.0025 mg/l	1.00		85.4	85-115	7.98	20
Chromium	0.882	0.0050 mg/l	1.00		88.2	85-115	7.63	20
Barium	0.867	0.0050 mg/l	1.00		86.7	85-115	7.76	20
<b>Duplicate (5020094-DUP1)</b>			Source: SA23461-02		Prepared: 02-Feb-05 Analyzed: 03-Feb-05			
Selenium	BRL	0.0150 mg/l		BRL				20
Lead	BRL	0.0092 mg/l		BRL				20
Silver	BRL	0.0100 mg/l		BRL				20
Arsenic	BRL	0.0150 mg/l		BRL				20
Cadmium	BRL	0.0025 mg/l		BRL				20
Chromium	BRL	0.0050 mg/l		BRL				20
Barium	0.0127	0.0050 mg/l		0.0248			64.5	20 QR-05
<b>Duplicate (5020094-DUP2)</b>			Source: SA23461-11		Prepared: 02-Feb-05 Analyzed: 03-Feb-05			
Selenium	BRL	0.0150 mg/l		BRL				20
Lead	BRL	0.0075 mg/l		BRL				20
Chromium	BRL	0.0050 mg/l		BRL				20
Cadmium	BRL	0.0025 mg/l		BRL				20
Arsenic	BRL	0.0150 mg/l		BRL				20
Silver	BRL	0.0100 mg/l		BRL				20
Barium	0.0090	0.0050 mg/l		0.0150			50.0	20 QR-05
<b>Matrix Spike (5020094-MS1)</b>			Source: SA23461-01		Prepared: 02-Feb-05 Analyzed: 03-Feb-05			
Selenium	0.0749	0.0150 mg/l	0.100	BRL	74.9	75-125		QM-07
Lead	0.0880	0.0075 mg/l	0.100	BRL	88.0	75-125		
Silver	0.0105	0.0100 mg/l	0.0500	BRL	21.0	75-125		QM-07
Chromium	0.0894	0.0050 mg/l	0.100	BRL	89.4	75-125		
Arsenic	0.0882	0.0150 mg/l	0.100	BRL	88.2	75-125		
Cadmium	0.0862	0.0025 mg/l	0.100	BRL	86.2	75-125		
Barium	0.104	0.0050 mg/l	0.100	0.0168	87.2	75-125		
<b>Matrix Spike (5020094-MS2)</b>			Source: SA23461-12		Prepared: 02-Feb-05 Analyzed: 03-Feb-05			

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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	*RDL Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020094 - SW846 3010A</b>									
<b>Matrix Spike (5020094-MS2)</b>		<b>Source: SA23461-12</b>		<b>Prepared: 02-Feb-05 Analyzed: 03-Feb-05</b>					
Selenium	0.0784	0.0150 mg/l	0.100	BRL	78.4	75-125			
Lead	0.0839	0.0075 mg/l	0.100	BRL	83.9	75-125			
Arsenic	0.0860	0.0150 mg/l	0.100	BRL	86.0	75-125			
Cadmium	0.0876	0.0025 mg/l	0.100	BRL	87.6	75-125			
Chromium	0.0920	0.0050 mg/l	0.100	BRL	92.0	75-125			
Silver	0.0154	0.0100 mg/l	0.0500	BRL	30.8	75-125			QM-07
Barium	0.100	0.0050 mg/l	0.100	0.0110	89.0	75-125			
<b>Matrix Spike Dup (5020094-MSD1)</b>		<b>Source: SA23461-01</b>		<b>Prepared: 02-Feb-05 Analyzed: 03-Feb-05</b>					
Selenium	0.0722	0.0150 mg/l	0.100	BRL	72.2	75-125	3.67	20	QM-07
Lead	0.0877	0.0075 mg/l	0.100	BRL	87.7	75-125	0.341	20	
Silver	0.0162	0.0100 mg/l	0.0500	BRL	32.4	75-125	42.7	20	QM-07
Arsenic	0.0854	0.0150 mg/l	0.100	BRL	85.4	75-125	3.23	20	
Chromium	0.0897	0.0050 mg/l	0.100	BRL	89.7	75-125	0.335	20	
Cadmium	0.0873	0.0025 mg/l	0.100	BRL	87.3	75-125	1.27	20	
Barium	0.106	0.0050 mg/l	0.100	0.0168	89.2	75-125	1.90	20	
<b>Matrix Spike Dup (5020094-MSD2)</b>		<b>Source: SA23461-12</b>		<b>Prepared: 02-Feb-05 Analyzed: 03-Feb-05</b>					
Lead	0.0881	0.0075 mg/l	0.100	BRL	88.1	75-125	4.88	20	
Selenium	0.0688	0.0150 mg/l	0.100	BRL	68.8	75-125	13.0	20	QM-07
Silver	0.0309	0.0100 mg/l	0.0500	BRL	61.8	75-125	67.0	20	QM-07
Arsenic	0.0870	0.0150 mg/l	0.100	BRL	87.0	75-125	1.16	20	
Cadmium	0.0874	0.0025 mg/l	0.100	BRL	87.4	75-125	0.229	20	
Chromium	0.0910	0.0050 mg/l	0.100	BRL	91.0	75-125	1.09	20	
Barium	0.0987	0.0050 mg/l	0.100	0.0110	87.7	75-125	1.31	20	
<b>Batch 5020095 - SW846 3010A</b>									
<b>Blank (5020095-BLK1)</b>		<b>Prepared: 03-Feb-05 Analyzed: 05-Feb-05</b>							
Lead	BRL	0.0075 mg/l							
Selenium	BRL	0.0150 mg/l							
Chromium	BRL	0.0050 mg/l							
Arsenic	BRL	0.0150 mg/l							
Cadmium	BRL	0.0025 mg/l							
Silver	BRL	0.0100 mg/l							
Barium	BRL	0.0050 mg/l							
<b>LCS (5020095-BS1)</b>		<b>Prepared: 03-Feb-05 Analyzed: 05-Feb-05</b>							
Lead	0.874	0.0075 mg/l	1.00		87.4	85-115			
Selenium	1.05	0.0300 mg/l	1.00		105	85-115			
Arsenic	0.900	0.0150 mg/l	1.00		90.0	85-115			
Cadmium	0.856	0.0025 mg/l	1.00		85.6	85-115			
Chromium	0.912	0.0050 mg/l	1.00		91.2	85-115			
Silver	0.494	0.0200 mg/l	0.500		98.8	85-115			
Barium	0.866	0.0050 mg/l	1.00		86.6	85-115			
<b>LCS Dup (5020095-BSD1)</b>		<b>Prepared: 03-Feb-05 Analyzed: 05-Feb-05</b>							
Lead	0.872	0.0075 mg/l	1.00		87.2	85-115	0.229	20	
Selenium	1.02	0.0300 mg/l	1.00		102	85-115	2.90	20	
Cadmium	0.861	0.0025 mg/l	1.00		86.1	85-115	0.582	20	
Arsenic	0.896	0.0150 mg/l	1.00		89.6	85-115	0.445	20	
Silver	0.491	0.0200 mg/l	0.500		98.2	85-115	0.609	20	
Chromium	0.910	0.0050 mg/l	1.00		91.0	85-115	0.220	20	
Barium	0.870	0.0050 mg/l	1.00		87.0	85-115	0.461	20	
<b>Duplicate (5020095-DUP1)</b>		<b>Source: SA23461-21</b>		<b>Prepared: 03-Feb-05 Analyzed: 05-Feb-05</b>					
Selenium	BRL	0.0150 mg/l		BRL					20
Lead	0.190	0.0075 mg/l		0.194			2.08		20

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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	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020095 - SW846 3010A</b>									
<b>Duplicate (5020095-DUP1)</b>		<b>Source: SA23461-21</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Cadmium	BRL	0.0025 mg/l		0.0004				20	
Silver	BRL	0.0100 mg/l		BRL				20	
Arsenic	BRL	0.0150 mg/l		BRL				20	
Chromium	BRL	0.0050 mg/l		BRL				20	
Barium	0.0589	0.0050 mg/l		0.0418			34.0	20	QR-05
<b>Matrix Spike (5020095-MS1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	0.230	0.0075 mg/l	0.100	0.148	82.0	75-125			
Selenium	0.0684	0.0150 mg/l	0.100	BRL	68.4	75-125			QM-07
Cadmium	0.0820	0.0025 mg/l	0.100	BRL	82.0	75-125			
Silver	0.0102	0.0100 mg/l	0.0500	BRL	20.4	75-125			QM-07
Arsenic	0.0800	0.0150 mg/l	0.100	BRL	80.0	75-125			
Chromium	0.0876	0.0050 mg/l	0.100	BRL	87.6	75-125			
Barium	0.111	0.0050 mg/l	0.100	0.0280	83.0	75-125			
<b>Matrix Spike Dup (5020095-MSD1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 05-Feb-05</b>			
Lead	0.221	0.0075 mg/l	0.100	0.148	73.0	75-125	3.99	20	QM-07
Selenium	0.0668	0.0150 mg/l	0.100	BRL	66.8	75-125	2.37	20	QM-07
Cadmium	0.0804	0.0025 mg/l	0.100	BRL	80.4	75-125	1.97	20	
Chromium	0.0860	0.0050 mg/l	0.100	BRL	86.0	75-125	1.84	20	
Silver	0.0107	0.0100 mg/l	0.0500	BRL	21.4	75-125	4.78	20	QM-07
Arsenic	0.0824	0.0150 mg/l	0.100	BRL	82.4	75-125	2.96	20	
Barium	0.110	0.0050 mg/l	0.100	0.0280	82.0	75-125	0.905	20	
<b>Batch 5020096 - EPA200/SW7000 Series</b>									
<b>Blank (5020096-BLK1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.00040 mg/l							
<b>LCS (5020096-BS1)</b>				<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00487	0.00040 mg/l	0.00500		97.4	80-120			
<b>Duplicate (5020096-DUP1)</b>		<b>Source: SA23461-02</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.00040 mg/l		BRL				35	
<b>Duplicate (5020096-DUP2)</b>		<b>Source: SA23461-11</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.00040 mg/l		BRL				35	
<b>Matrix Spike (5020096-MS1)</b>		<b>Source: SA23461-01</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00466	0.00040 mg/l	0.00500	BRL	93.2	75-125			
<b>Matrix Spike (5020096-MS2)</b>		<b>Source: SA23461-12</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00469	0.00040 mg/l	0.00500	BRL	93.8	75-125			
<b>Matrix Spike Dup (5020096-MSD1)</b>		<b>Source: SA23461-01</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00472	0.00040 mg/l	0.00500	BRL	94.4	75-125	1.28	35	
<b>Matrix Spike Dup (5020096-MSD2)</b>		<b>Source: SA23461-12</b>		<b>Prepared: 02-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00482	0.00040 mg/l	0.00500	BRL	96.4	75-125	2.73	35	
<b>Batch 5020097 - EPA200/SW7000 Series</b>									
<b>Blank (5020097-BLK1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.00040 mg/l							
<b>LCS (5020097-BS1)</b>				<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00503	0.00040 mg/l	0.00500		101	80-120			
<b>Duplicate (5020097-DUP1)</b>		<b>Source: SA23461-21</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	BRL	0.00040 mg/l		BRL				35	
<b>Matrix Spike (5020097-MS1)</b>		<b>Source: SA23461-22</b>		<b>Prepared: 03-Feb-05</b>		<b>Analyzed: 04-Feb-05</b>			
Mercury	0.00502	0.00040 mg/l	0.00500	BRL	100	75-125			

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

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

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5020097 - EPA200/SW7000 Series</b>									
<b>Matrix Spike Dup (5020097-MSD1)</b>									
		Source: SA23461-22	Prepared: 03-Feb-05	Analyzed: 04-Feb-05					
Mercury	0.00485	0.00040 mg/l	0.00500	BRL	97.0	75-125	3.44	35	

**General Chemistry Parameters - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5011499 - General Preparation</b>									
<b>Duplicate (5011499-DUP1)</b>									
		Source: SA23461-18	Prepared: 31-Jan-05	Analyzed: 01-Feb-05					
% Solids	85.1	%		86.1			1.17	20	

<b>Batch 5011504 - General Preparation</b>									
<b>Duplicate (5011504-DUP1)</b>									
		Source: SA23469-01	Prepared: 31-Jan-05	Analyzed: 01-Feb-05					
% Solids	89.0	%		88.7			0.338	20	

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\*Reportable Detection Limit    BRL = Below Reporting Limit

## Notes and Definitions

- \*TPH Calculated as
- Comp Completed
- QC-1 Analyte out of acceptance range.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- QM-02 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.
- QM-04 Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QR-02 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.
- QR-05 RPD out of acceptance range.
- R-01 The Reporting Limit for this analyte has been raised to account for matrix interference.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- vext2 Field extracted
- VOC10 The VOC field 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.
- VOC8 Reporting limits reflect SW846 5030 extraction technique due to matrix interference using SW846 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

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

### 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.  
Nicole Brown



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

<b>Laboratory Name:</b> Spectrum Analytical, Inc.	<b>Project Name and Number:</b>
<b>Project Location:</b> New Haven Rail Yard Interim Shop-CT	New Haven Rail Yard Interim Shop-CT/ 301-81
<b>This Form Provides certifications for the following data set:</b> SA23461-01 SA23461-11 SA23461-21 SA23461-02 SA23461-12 SA23461-22 SA23461-03 SA23461-13 SA23461-23 SA23461-04 SA23461-14 SA23461-24 SA23461-05 SA23461-15 SA23461-25 SA23461-06 SA23461-16 SA23461-26 SA23461-07 SA23461-17 SA23461-27 SA23461-08 SA23461-18 SA23461-09 SA23461-19 SA23461-10 SA23461-20	<b>List Specific Analytical Methods Used:</b> +CT ETPH EPA 245.2/7470A SM2540 G Mod. SW846 1312 SW846 6010B SW846 7470A SW846 7471A SW846 8081A SW846 8082 SW846 8151A SW846 8260B SW846 8270C VOC
<b>Sample Matrices:</b> Aqueous Soil/Sediment	

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

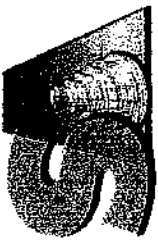
Hanibal C. Tayeh, Ph.D.  
 President/Laboratory Director

Date: 2/10/2005

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\*Reportable Detection Limit    BRL = Below Reporting Limit





SPECTRUM ANALYTICAL, INC.  
Featuring  
HANIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 3

**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: Cindy Knight  
LES  
354 S River Rd.  
Tolland CT 06084  
 Project Mgr.: David Stok - Mayville

Invoice To: EDOT - Contract #  
sp LES  
WA#50018030P  
 P.O. No.: \_\_\_\_\_

Project No.: 301-31  
 Site Name: Newtown Rail Yard Interim Shop  
 Location: Newtown State: CT  
 Sampler(s): C Knight / C. Criscuolo

1=Na<sub>2</sub>SO<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid  
 7=CH<sub>3</sub>OH 8=NaHSO<sub>4</sub> 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

Containers:  
 # of VOA Vials  
 # of Amber Glass  
 # of Clear Glass  
 # of Plastic

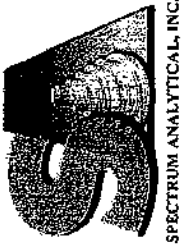
Analyses:  
 Volc - 8240  
 Base Neutral  
 Base 8270  
 CT ETPH  
 PbSt 8/82  
 Herbicides 8/51  
 Totl Pcm 8  
 Sflc Pcm 8  
 Metals (envo) / 100

QA Reporting Notes:  
 (check if needed)  
 State specific reporting standards if applicable, please list below.  
 Provide MCP CAM Report  
 Were all field QC requirements met as per MADEP CAM Section 2.0?  
 Yes  No  
 (Response required for CAM report)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative
23461-01	GP IS-1 2-4	1-27-05		C	SO	2
-02	GP IS-3 2-4					
-03	GP IS-25 4-8					
-04	GP IS-26 2-4					
-05	GP IS-27 2-4					
-06	GP IS-28 2-4					
-07	GP IS-29 2-4					
-08	GP IS-30 4-8					
-09	GP IS-31 2-4					
-10	GP IS-32 2-4					

Fax results when available to ( )  
 E-mail to ck@logicalenvironmental.com  
 EDD Format PDF  
 Condition upon receipt:  Iced  Ambient  °C 5

Relinquished by: \_\_\_\_\_  
 Received by: Jeremy Smith Date: 11/28/05 Time: 11:13  
Michael Mulvey Date: 11/28/05 Time: 1330



# CHAIN OF CUSTODY RECORD

Page 2 of 3

### 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: Cindy Knight Invoice To: CDAT - DAS Contract

LES c/o LES

354 S. River Rd.

Tolland Ct 06087

Project Mgr.: David Stuck - VMEI

P.O. No.: \_\_\_\_\_ RQN: \_\_\_\_\_

1=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid

7=CH<sub>3</sub>OH 8=NaHSO<sub>4</sub> 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:	Matrix Type	Containers:				Preservative	Analyses:	QA Reporting Notes: (check if needed)
					# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			
33461-11	GPIS-33 4-00	1-27-05			2	1			VOCs-8260 Bax Neutral 9270 GT ETPH PES 6 8081/8082 Herbicide-8157 Total PCRA-8 SPR PCRA-8 Metal 6000/7000	State specific reporting standards if applicable, please list below.  <input type="checkbox"/> Provide MCP CAM Report Were all field QC requirements met as per MADEP CAM Section 2.0? <input type="checkbox"/> Yes <input type="checkbox"/> No (Response required for CAM report)	
-12	GPIS-34 4-00										
-13	GPIS-35 4-00										
-14	GPIS-36 2-00										
-15	GPIS-37 4-00										
-16	GPIS-38 2-00										
-17	GPIS-39 2-00										
-18	GPIS-40 2-00										
-19	GPIS-41 2-00										
-20	GPIS-42 2-00										

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: 1/28/05 Time: 11:14

Fax results when available to ( )

RE-mail to ck@logicalenvironmental.com

EDD Format PDF

Condition upon receipt:  Iced  Ambient  °C 5

Conk