

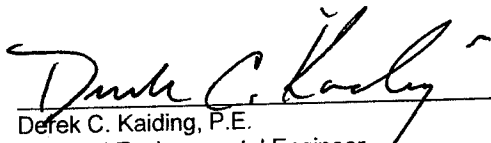
General Motors Corporation

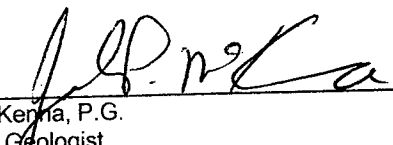
Revised Site Investigation Report

56-Acre Undeveloped Property
Adjacent to Delphi Energy & Engine
Management Systems, Plant 600/700
Burton, Michigan

February 11, 2008

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**Revised Site Investigation
Report**

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1. Introduction

1.1 General

This Revised Site Investigation Report (revised SIR) summarizes the results of Site investigations completed by ARCADIS of New York, Inc. (ARCADIS BBL, formerly Blasland, Bouck and Lee, Inc. [BBL]) and others since 2003, on behalf of the General Motors Corporation (GM) at an undeveloped 56-acre GM-owned property located in Burton, Michigan (the Site). This revised SIR supersedes the Site Investigation Report dated August 1, 2007, as it incorporates all of the information covered by the August 1 SIR, along with additional investigations conducted since August 1, 2007.

Investigations of the Site have included, in addition to GM's 56-acre property, approximately 144 acres of adjacent undeveloped land that was owned by GM at the time of the 1996 to 2004 investigations. At the time of the more recent investigations, this property (adjoining) had already been sold. However, this revised SIR only covers GM's 56-acre property (Site).

The Site is located immediately east of property once comprising a portion of the Delphi Energy & Engine Management Systems, Plant 7 in Burton, Michigan, at the intersection of Davison Road and Genesee Road. The property immediately east of the Site is now owned by Porrett Investment, and is currently operated as a warehousing facility. The remainder of Delphi Energy & Engine Management Systems, Plant 7, to the east, currently remains an active manufacturing facility. The Site and property to the east were historically associated with the Delphi Energy and Engine Management Systems Flint East Facility, Plant 600/700 (MID 980 568 745) (the Delphi Facility). The Delphi Facility was owned by GM until 1999, when Delphi Automotive Systems, LLC, (Delphi) was divested from GM. Delphi owns and operates the Delphi Facility, while GM retained the adjacent undeveloped 56-acre property which is the subject of this revised SIR (the Site or Burton 56 Property). Figure 1 shows the location of the Site. GM sold approximately 144 acres of undeveloped land adjacent to the Site to a third party developer during the fall of 2004. No development has occurred to date, and the Site remains idle and inactive.

Investigations were performed at the Site to augment and expand the understanding of current Site conditions, based on an investigation previously performed on behalf of GM by others in 1996. This report provides background information (including historical use and current conditions); summarizes the results of historic and recent investigations completed at the Site; and, recommends follow-up actions for the Site, based on the results of the investigations.

1.2 Site History and Description

The Site is generally a rectangular parcel bordered by Davison Road and several commercial businesses to the north, approximately 144 acres of undeveloped land to the east, a Grand Trunk railroad line to the south, and a Consumer's Power Company right-of-way to the west. The Site is relatively flat and dry and contains heavy vegetation ranging from cultivated grasses to dense scrubby brush and wooded areas, as well as a former automobile test track.

Approximately 21 acres of the Site were used as a permitted landfill in the 1970's for disposal of construction debris, miscellaneous inert solid waste, and foundry sand from the GM Buick Motor Division facility in Flint, Michigan. According to the *Phase I Environmental Site Assessment, AC Delco Systems, 200 Acre Parcel, Flint East*, dated March 1995 and prepared by Conestoga-Rovers and Associates, the foundry sand was analyzed for leachable metals, fluoride, chloride, cyanide and phenols by AC Delco Systems (AC) in 1974 before sand was disposed on-Site. The analytical results identified low levels of the analytical parameters in the samples, and AC determined that the sand could be landfilled on-Site. Michigan Department of Natural Resources (MDNR) subsequently issued a Solid Waste Disposal License for the periods of on-Site disposal of the foundry sand by AC. The remaining approximately 35 acres of the Site have not been used by GM since it was acquired in the early 1960s, with the exception of the installation of an asphalt-covered test track. An aerial photograph from 1956 indicates what may have been a grass airstrip to have once been present at the Site.

In 1995 GM initiated Resource Conservation and Recovery Act (RCRA) Voluntary Corrective Action at the Delphi Facility with the MDNR. GM requested at that time that the Site (a portion of the Delphi Facility) not be included in the RCRA Corrective Action program because there have been no historical records of manufacturing or related support activities being conducted on the property. A Preliminary Assessment/Visual Site Inspection was completed at the Delphi Facility in 1992 by PRC Environmental Management, Inc. for United States Environmental Protection Agency (U.S. EPA). Inspection of the Site did not identify any Solid Waste Management Units (SWMU) or Areas of Concern (AOC).

1.3 Report Organization

This report is organized as follows:

- Section 1 - presents the introduction and relevant background information.

- Section 2 - summarizes the results of the historical investigation performed at the Site.
- Section 3 - discusses the scope of each of the recent 2003-2007 investigations conducted by ARCADIS BBL.
- Section 4 – summarizes analytical results of recent 2003-2007 investigations conducted by ARCADIS BBL.
- Section 5 – provides overall findings and recommendations concerning the available Site data.
- Section 6 – includes a habitat assessment.

Additionally, various tables, figures, and appendices are referenced throughout this report, as providing supporting information.

2. Historical Site Investigation

Soil and groundwater at the Site was first investigated in 1996 as a result of recommendations presented in the Phase I Environmental Site Assessment (March 1995). This investigation included the collection of soil samples from a total of six borings, and the collection of groundwater samples from two monitoring wells at the Site. The investigation also included additional soil borings and monitoring wells at the adjacent undeveloped land to the east of the Site, previously owned by GM. These activities were performed based on, and as follow-up to, Site reconnaissance and review of historic GM and agency files, as well as interviews with local personnel. The focus of these efforts was to provide soil and groundwater data, representing the overall spatial extent of the Site, in addition to other adjacent areas which were owned at the time by GM. Additional focus was provided in relation to a landfill area operated at the Site during the 1970's.

Further discussion of the 1996 investigation is presented below in Sections 2.1 through 2.4.

2.1 Soil Sampling - 1996

Six soil borings (MW1, MW2, B5, B6, B8, and B11) were completed at the Site in March of 1996 using 4.25-inch inner diameter (ID) hollow stem augers. Soil samples were collected for description and submitted for laboratory analysis using 24-inch long; 2-inch outer diameter (OD) split spoon samplers. The locations of these borings are presented on Figure 2. Soil boring and monitoring well construction logs are presented in Appendix A.

The borings indicated a geologic profile of near-surface fill materials composed of foundry sand and construction debris overlying native soils in the southwestern portion of the Site. Native soils located beneath the fill material, and in the eastern portion of the Site, were found to consist of interbedded clays, silts, and sands. Shallow perched groundwater was found within granular fill material and native silt and sand sediments.

Samples of the fill material (0 to 10 feet [ft] below ground surface [bgs]) were collected from soil boring/monitoring well locations MW1, MW2, B8 and B11. Samples of native clay/silt (8 to 20 ft bgs) were collected from soil borings/monitoring well locations MW1, MW2, B5, B8, and B11. All soil and fill samples were submitted for laboratory analysis of polynuclear aromatics (PNAs), volatile organic compounds (VOCs), polychlorinated

biphenyls (PCBs), and RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).

2.2 Soil Analytical Results - 1996

The results of the laboratory analysis of the March 1996 soil and fill samples do not exceed the current Michigan Natural Resources and Environmental Protection Act (NREPA) 451, Part 201 (Part 201) (January 23, 2006) criteria for PCBs, VOCs or PNAs. Tables presenting the March 1996 analytical results are included in Appendix B.

2.3 Monitoring Well Installation, Development, and Sampling - 1996

Two of the six soil borings described in Section 2.1 (MW1 and MW2) were converted to shallow monitoring wells. The monitoring wells were constructed of 2-inch diameter polyvinyl chloride (PVC) casing fitted with a 5 ft length of 0.010-inch slot PVC screen and plug. Monitoring wells MW1 and MW2 are shown to be screened in fill materials in the northwestern and southeastern portions of the Site at depths of 9.7 ft to 14.5 ft and 9.8 ft to 14.5 ft below the ground surface, respectively (see monitoring well construction logs in Appendix A). The locations of these monitoring wells are presented on Figure 2.

Monitoring wells were developed until the water cleared of sediment (approximately 15 to 20 gallons purged from each well). Prior to sampling, groundwater level measurements were recorded from each well for use in determining groundwater flow direction. A minimum of three casing volumes was purged from each well prior to sampling using a high-density polyethylene (HDPE) bailer. Groundwater physical characteristics of pH, specific conductivity, and temperature were measured during sampling. The water levels and physical characteristics are presented in Appendix B.

Groundwater samples were collected from monitoring wells MW1 and MW2, and submitted for laboratory analysis of semi-volatile organic compounds (SVOCs), VOCs, PCBs, herbicides/pesticides and/or RCRA dissolved metals.

2.4 Groundwater Analytical Results - 1996

The results of the laboratory analysis of the March 1996 groundwater samples do not exceed the current Part 201 criteria for metals, SVOCs, VOCs, PCBs, organochlorine



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pesticides or chlorinated herbicides. The groundwater analytical data is presented in Appendix B.

Groundwater elevations from Site monitoring wells and additional monitoring wells in the vicinity of the Site indicate that the groundwater flow direction is to the southwest towards Gilkey Creek, in the southwestern portion of the Site, and to the northwest in the 144 acres of adjacent undeveloped land.

3. Recent Site Investigations

This section summarizes more recent intrusive investigations performed by ARCADIS BBL at the Site and the adjacent undeveloped land owned at the time by GM from December 2003 through November 2007. These activities were performed to facilitate a more comprehensive evaluation of potential environmental impact to the Site, representing a greater overall spatial extent of investigation. Additionally, these activities included ARCADIS BBL's oversight of an investigation that was completed by a third party in support of the potential sale of the approximately 144 acres of undeveloped land located immediately east of the Site.

Further discussion of the 2003 to 2007 investigations are presented in Sections 3.1 through 3.3, while the related data are discussed in Section 4.

3.1 Initial Site Investigation – 2003/2004

In December 2003 and January 2004, ARCADIS BBL completed an investigation to augment/expand the knowledge of current Site and other adjacent area conditions. A total of 58 soil borings were completed, and one monitoring well was installed at the Site during this investigation. Additional soil borings were completed and additional monitoring wells were installed at the adjacent undeveloped land during this investigation.

This section summarizes the soil sampling, well installation, groundwater sampling, and groundwater level measurements completed as part of this investigation.

3.1.1 Soil Sampling – 2003/2004

Fifty-eight shallow borings (FE-A1 through FE-A8, FE-A10 through FE-B5, FE-B7 through FE-U4) were completed at the Site to delineate the lateral extent of the former landfill area (Fill Area) mentioned in Section 1.2. These soil borings were completed to a maximum depth of 10 feet bgs with a Geoprobe® drill rig using direct-push techniques and a 5-foot by 2.125-inch Macro-Core® soil sampler. The locations of these borings are shown on Figure 2. The extent of fill material was determined based on visual observations. Soil samples were collected continuously and screened with a Photoionization Detector (PID). The samples were visually described to determine the locations of fill material. Table 1 summarizes the location, depth of installation, and, type of fill materials encountered in each of the borings. Native soils identified in the borings were noted to be composed of interbedded silts, sands, and clays. The fill

material encountered consisted of foundry sand and concrete debris. Groundwater was encountered at a depth of approximately 7 to 10 ft bgs in yellowish-brown to gray fine sands, silts and silty sands.

Based on visual observations of the ground surface it appeared that the western and southern Fill Area boundaries were contained within the GM property. The northern boundary of the Fill Area visually appeared to extend to the former vehicle former test track. Fill material was observed on the ground surface adjacent to the fence surrounding the former test track and in borings (FE-S1 and FE-T1). The ground between the former test track and the south portion of the former test track fence is mounded and assumed to be fill material. The southeast portion of the Fill Area extends to borings completed off-Site on the adjacent 144 acres of undeveloped land, which show no evidence of fill material. The eastern boundary of the Fill Area was partially delineated during this investigation and follows a northeasterly path from FE-F8 through FE-R1. Delineation of the northeast portion of the Fill Area was completed during the Supplemental Site Investigation discussed in Section 3.3. The approximate overall extent of the Fill Area is illustrated on Figure 2. No elevated PID readings or soil staining were encountered while installing the soil borings. Figure 2 also shows the locations of the soil borings.

3.1.2 Temporary Well Installation – 2003/2004

One temporary monitoring well (TW-1) was installed at the Site in December 2003. Temporary monitoring well (TW-1) was installed near the edge of Gilkey Creek in the southwest corner of the Site to assess potential contaminant migration towards the creek.

The temporary monitoring well was constructed using 1-inch diameter PVC casing and 1-inch diameter, 5-foot long, 0.010-inch machine slotted PVC screen with a sand pack. The well was installed to straddle the water table. Temporary monitoring well TW-1 was screened from 7 to 12 ft bgs. Table 2 summarizes the well construction details for TW-1, historic wells MW1 and MW2, as well as additional wells installed off-Site on the adjacent undeveloped land. Figure 2 shows the locations of the monitoring wells. The well construction log for TW-1 is included in Appendix C.

3.1.3 Well Development and Groundwater Sampling – 2003/2004

The temporary monitoring well discussed in Section 3.1.2 was developed prior to sampling. Well development consisted of pumping the well with a peristaltic pump and

collecting groundwater samples in a glass jar to determine relative turbidity until groundwater was relatively silt-free. Following development, a groundwater sample was collected from the temporary monitoring well using low-flow sampling methods. During low-flow purging, water quality parameters (temperature, turbidity, dissolved oxygen, specific electrical conductivity, reduction/oxidation potential, and pH) were measured to determine when purging was complete. The measured water quality parameters are presented in Table 2. A groundwater sample was collected from the temporary well and submitted to Merit Laboratories, Inc. in East Lansing, Michigan for analysis of TCL/TAL VOCs, SVOCs, PCBs (total and dissolved), and metals (total and dissolved).

3.1.4 Groundwater Level Measurements – 2003/2004

On January 13, 2004 groundwater levels were recorded at each of the previously installed on-Site monitoring wells (MW1 and MW2), the newly installed temporary monitoring well (TW-1) on-Site, and additional monitoring wells located on the adjacent 144 acres of adjacent undeveloped land to determine groundwater elevation and groundwater flow direction. The groundwater elevation information collected was used to create a groundwater flow map which is presented as Figure 3. The groundwater elevation data is presented in Table 2. As shown on Figure 3, groundwater flows to the southwest towards Gilkey Creek in the southwest portion of the Site, and to the northwest in the 144 acres of adjacent undeveloped land.

3.2 Oversight of the Investigation Performed by Third Party – 2004

In April 2004 ARCADIS BBL provided oversight, on behalf of GM, of an investigation performed by a third party interested in purchasing the adjacent 144 acres of undeveloped land. ARCADIS BBL submitted split-samples for laboratory analysis of all groundwater and soil samples collected by the developer's representatives.

A total of one soil boring, three step-out borings, and one temporary monitoring well were completed at the Site during the investigation by the developer's representatives. These activities are discussed further in Sections 3.2.1 through 3.2.3 below. Additional soil borings and temporary monitoring wells were completed at the adjacent 144 acres of undeveloped land. Soils identified in the borings consisted of a yellowish-brown clayey sand observed just below the topsoil to a depth of 5-6 ft bgs which was underlain by interbedded sands, silts, and clays or fill material. The fill material, which consisted of gray sandy clay with fine to coarse gravel and asphalt, was encountered at soil boring MW4-04 (3 to 10 ft bgs) and at MW4-04SO2 (6 to 8 ft bgs). Groundwater

was encountered at a depth of 8 to 13 ft bgs in either a yellowish-brown fine sand or a brownish gray to gray silty sand.

3.2.1 Soil Borings – 2004

In April 2004 four soil borings were completed at the Site utilizing direct-push techniques and a 5-foot by 2.125-inch Macro-Core[®] soil sampler. Soil boring MW4-04 was completed along the eastern boundary of the Site, south of the fenced former test track area. Figure 2 shows the locations of the borings. Step-out soil borings MW4-04SO2, MW4-04SO3, and MW4-04SO4 were completed to delineate fill material encountered at soil boring MW4-04. Soil samples were collected continuously to a depth of 15 feet then soils were screened with a PID.

Soil samples were collected for laboratory analysis from two soil boring locations (MW4-04 and MW4-04SO2). Soil samples MW4-04 and MW4-04SO2 were collected from the fill material encountered at 5-8 ft bgs and 6-8 ft bgs, respectively. These samples were submitted for laboratory analysis of VOCs, PNAs, PCBs, and RCRA metals.

During the subsurface investigation at the boring/monitoring well location MW4-04, discolored soil and elevated PID readings (0.8-340 parts per million [ppm]) were observed from a depth of 3 to 10 ft bgs. The highest PID readings were observed at a depth of 3 to 5 ft bgs. Three additional step-out soil borings (MW4-04SO2 through MW4-04SO4) were completed at the Site to delineate the extent of fill material identified in boring MW4-04.

MW4-04SO2 was advanced 60 feet south of MW4-04 to a depth of 15 ft bgs. Fill material was encountered in boring MW4-04SO2 from 6 to 8 ft bgs; however there was no observable staining or elevated PID readings. MW4-04SO3 was advanced 30 feet north of MW4-04, adjacent to the fence line of the former test track, to a depth of 10 ft bgs with no observable staining or elevated PID readings. MW4-04SO4 was advanced 40 feet southeast of MW4-04 to a depth of 5 ft bgs, with no observable staining or elevated PID readings. A step-out boring was not located to the west due to the presence of a sanitary sewer easement.

A soil sample was collected of the fill material identified from 6 to 8 ft bgs at MW4-04SO2. The sample from MW4-04SO2 was submitted for laboratory analysis of VOCs, PNAs, PCBs, and RCRA metals.

3.2.2 Temporary Well Installation – 2004

One temporary monitoring well (MW4-04) was installed at the Site in April 2004 using the Geoprobe® 6610DT tracked rig equipped with a hollow stem auger (HSA). The well was completed to depth as determined by the presence of groundwater in the soil boring. The monitoring well was constructed of 2-inch diameter Schedule 40 PVC riser pipe with a 5-foot 10-slot PVC well screen. Sand filter pack was placed around the well to a depth of 2-feet above the top of the screen. Bentonite chips were used as a seal directly above the filter pack to 0.5 ft bgs. The riser pipe extended from approximately 1-foot to 3-feet above ground surface and was labeled with the monitoring well name. An expandable locking cap was used to secure the monitoring well.

3.2.3 Well Development and Groundwater Sampling – 2004

The temporary monitoring well presented in Section 3.2.2 was developed by surge-and-purge techniques. The monitoring well was purged of recoverable groundwater while the pump was surged through the water column. Development water was containerized in a 55-gallon drum at MW4-04. Further well development was completed during groundwater sampling.

The groundwater sample collected from monitoring well MW4-04 was submitted to the laboratory for analysis of VOCs, PNAs, PCBs, and RCRA metals (total). No observable sheen was present during groundwater purging or sampling of MW4-04 and background PID readings were recorded during headspace screening of the monitoring well.

Purged groundwater from sampling and fluids generated from equipment decontamination were placed in 5-gallon buckets with lids and then transferred to 55-gallon drums.

3.3 Supplemental Site Investigation – 2004

From March through May 2004, ARCADIS BBL conducted a Supplemental Site Investigation at the Site to identify potential areas of surficial soil contamination within the Fill Area and to continue delineating the lateral extent of fill material associated with the Fill Area. A total of 17 surface soil samples were collected and 15 soil borings were completed during this investigation. These activities are further discussed below in Section 3.3.1 and 3.3.2. Soils identified in the borings consisted of yellowish-brown clayey sand which was underlain by interbedded sands, silts, and clays.

3.3.1 Surface Soil Sampling – 2004

A grid system consisting of 17 squares (300 ft by 300 ft) was employed in order to characterize the surface soils within the Fill Area. The sampling locations were determined in accordance with the 'Collect *Random* samples for the purpose of demonstrating compliance with Part 201 criteria using statistics' method outlined on page 4.25 of the MDEQ 2002 guidance document '*Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria*'.

A total of 17 soil samples (FA-1 through FA-17) were collected to evaluate the surface soils within the Fill Area. Soil samples were collected from 0 to 1 foot bgs using a hand auger and were submitted for laboratory analysis of TCL VOCs, SVOCs, PCBs, and TAL metals. Figure 2 shows the sample locations. All samples were screened in the field using a PID and were visually described by a geologist. Table 3 presents the lithologic descriptions and PID readings recorded.

3.3.2 Soil Borings and Subsurface Soil Sampling – 2004

In May 2004 fifteen soil borings (MW4-04SO3 through MW4-04SO17) were completed at the Site to further delineate fill material encountered during the April 2004 investigation discussed in Section 3.2. These soil borings were completed to a depth of 15 feet bgs with a Geoprobe® drill rig using a direct-push techniques and a 5-foot by 2.125-inch Macro-Core® soil sampler. Soil samples were collected continuously and screened with a PID. Soil characteristics and visual observations of the samples were recorded. The soil boring logs are presented in Appendix C.

Thirteen of the soil borings (MW4-04SO5 through MW4-SO17) were advanced along four transects (northwest, west, southwest, and south) radiating from the MW4-04 location to delineate the extent of the fill material. Borings were completed along each transect until a visually clean boring was identified or until the extent of the known Fill Area was reached. Additionally, two borings (MW4-04SO3 and MW4-04SO4) were co-located with borings previously completed by the potential developer's consultant in order to collect samples for laboratory analysis. Figure 2 shows the locations of the soil borings.

The fill material, which consisted of yellowish-brown to gray sandy clay/clayey sand with asphalt, brick, and concrete, was observed at borings MW4-04SO6 through MW4-04SO13, MW4-04SO15, and MW4-04SO16. Slightly elevated PID readings ranging from 0.7 to 2 ppm and/or staining were encountered at soil borings MW4-04SO6,

MW4-04SO7, MW4-04SO10, and MW4-04SO11. The thickness of the fill material ranged from approximately 2 feet at MW4-04SO12 to 12 feet at MW4-04SO6. The extents of the Fill Area are presented on Figure 2.

Soil samples from soil borings MW4-04SO3, MW4-04SO4, MW4-02SO5, MW4-04-SO6, MW4-04SO7, MW4-04SO8, MW4-04SO9, MW4-04S10, MW4-04SO12, MW4-04SO14, MW4-04SO15, and MW4-04SO17 were collected from 0-2 ft bgs, 8-10 ft bgs, and above the water table. Soil samples collected from soil borings MW4-04SO10, MW4-04SO12, and MW4-04SO15 were collected from 0-2 ft bgs, 8-10 ft bgs, below the fill material, and above the water table. Samples were submitted for a 24-hour turn to Merit Laboratories, Inc. for VOC, SVOC, PCB, and TAL metals analysis.

3.4 Fence Installation and Repair – 2004/2007

During October and November 2004, ARCADIS BBL observed and coordinated the installation of approximately 8,800 linear feet of fence encompassing the Site. This permanent fence was installed according to the following specifications:

- 9 gauge, 72" chain link fabric
- Top and bottom tension wire
- 2 ½ OD line posts
- 2" OD end posts
- 2-10' wide, 6' high single swing gates
- Gate posts set in 2' concrete

ARCADIS BBL also observed the clearing of the trees and brush prior to fence installation and supervised the surveying and staking of the fence perimeter.

On July 31, 2007, ARCADIS BBL performed an inspection of the fence on behalf of GM. Several areas were identified in need of repair. During soil boring completion and monitoring well installations performed in August 2007, ARCADIS BBL found it necessary to cut an opening in the fence to maneuver drilling equipment to gain access to soil boring and monitoring well locations. The opening was closed after well installation; however, these measures were only temporary. In November 2007, fence

repairs were made at the Site by Nationwide Construction Group at a total of seven areas including the opening in the fence which was converted to an access gate.

3.5 Supplemental Site Investigation – 2007

From August through November 2007, ARCADIS BBL conducted an additional Site investigation at the Site to further delineate the lateral extent of fill material associated with the Fill Area sand to further evaluate exceedances of Michigan's generic screening criteria found during the previous investigations. A total of 10 soil borings were completed, 3 temporary wells were installed, and a staff gauge was installed in Gilkey Creek. In addition to these activities, all monitoring wells installed by ARCADIS BBL on the 144 acres adjacent to the Site were abandoned. These activities are further discussed below in Sections 3.4.1 through 3.4.4.

3.5.1 Soil Borings – 2007

In August 2007, 11 soil borings were completed at the Site utilizing direct-push techniques and a 5-foot by 2.125-inch Macro-Core[®] soil sampler. Two additional soil borings were completed using hand auger techniques. Figure 2 shows the locations of the borings. Soil borings SB-1 through SB-10 were completed along the northwest and west property boundaries to visually delineate the extent of the fill in these directions. Soil boring TW-6 was completed in the southern portion of the Site where Gilkey Creek enters GM property due to inorganics and SVOCs exceedances of Michigan's generic screening criteria for groundwater to surface water protection (GSIP) in the southern portion of the Fill Area. Soil borings TW-7 and TW-8 were completed to the southwest across Gilkey Creek from previously installed (2003) TW-1 due to the presence of manganese at TW-1 at concentrations which exceed Michigan's generic screening criteria for residential drinking water (RDW) and industrial drinking water (IDW). Soil samples were collected continuously to depths ranging from 2 to 15 feet and screened with a PID. No soil samples were submitted for laboratory analysis. Well construction diagrams are presented in Appendix C. Table 3 presents the lithologic descriptions and PID readings recorded.

3.5.2 Temporary Well Installation – 2007

Three temporary monitoring wells (TW-6, TW-7, and TW-8) were installed at the Site in August 2007 using a Geoprobe[®] 6610DT tracked rig. The wells were completed to depth as determined by the presence of groundwater. The monitoring wells were constructed of 1-inch diameter Schedule 40 PVC riser pipe with a 5-foot, 10-slot PVC

well screen. Sand filter pack was placed around the well to a depth of 2-feet above the top of the screen. Bentonite chips were used as a seal directly above the filter pack to ground surface. The riser pipes extend approximately 3-feet above ground surface and were labeled with the monitoring well name. Expandable locking caps were used to secure the monitoring wells.

3.5.3 Well Development and Groundwater Sampling – 2007

The temporary monitoring wells presented in Section 3.5.3 were developed by surge-and-purge techniques consistent with those used in previous investigations as described in Section 3.2.3.

Groundwater samples were collected from each of the three temporary monitoring wells (TW-6, TW-7 and TW-8) on August 9, 2007 and November 7, 2007 using low-flow sampling techniques. The groundwater samples were submitted to the laboratory for analysis of TCL VOCs, SVOCs, PCBs, and TAL metals.

3.5.4 Staff Gauge Installation

A staff gauge was installed in Gilkey Creek to aid in determining whether it is a gaining or losing stream. The gauge was placed between temporary wells TW-1 and TW-8. The top of the gauge was surveyed in order that surface water elevations could be measured and compared with groundwater elevation measurements from adjacent wells.

3.5.5 Well Abandonment – 2007

Five wells (4 temporary and 1 permanent) installed during previous Site investigation activities and located on the 144-acre parcel adjacent to the Site were abandoned in August 2007. The method of abandonment consisted of pulling the casing and backfilling the borehole with hydrated bentonite chips.

4. Analytical Results – 2003/2004/2007

This section summarizes the analytical results of the soil and groundwater samples collected during the investigations discussed in Section 3. The laboratory analytical data sheets are presented in Tables 4 and 6, and are included in Appendix D (compact disk included).

4.1 Initial Site Investigation – 2003/2004

4.1.1 Soil

A soil sample was collected from the installation of temporary monitoring well TW-1. The following is a summary of the soil sample detections which exceed Part 201 criteria and are presented on Figure 4. The analytical results of the soil analysis are presented in Table 4.

- Arsenic in the soil sample TW-1 (0-2 ft) (7,900 µg/kg [microgram per kilogram]) exceeded the Part 201 Residential Direct Contact (RDC) criteria of 7,600 µg/kg and Part 201 State Default Background (SDB) level of 5,800 µg/kg.
- Selenium in soil sample TW-1 (0-2 ft) (560 µg/kg) exceeded the Part 201 Groundwater Surface water Interface Protection (GSIP) criteria of 400 µg/kg and SDB level of 410 µg/kg.

Mercury, cobalt, and manganese were detected at concentrations that exceeded Part 201 GSIP criteria, but were below SDB criteria.

There are several compounds which have elevated reporting limits that exceeded Part 201 criteria due to method detection limits or matrix interference. These reporting limits are not included in the summary above; however, all analytical results are included in Table 4. The laboratory analytical data sheets are included in Appendix E (compact disk included).

4.1.2 Groundwater

A groundwater sample was collected from temporary monitoring well TW-1. The following is a summary of the groundwater sample detections which exceed Part 201 criteria and are presented on Figure 7. The results of the groundwater analysis are

summarized in Table 6. Shaded detections on Table 6 exceed NREPA 451, Part 201 criteria.

Concentrations of total and dissolved manganese at temporary monitoring well TW-1 (1,200 µg/L, 1,200 µg/L) exceeded Part 201 aesthetic Residential and Commercial I Drinking Water (RDW) criteria of 50 µg/L, Part 201 Industrial and Commercial II, III, and IV Drinking Water (IDW) criteria of 50 µg/L, and Residential Health Based Drinking Water Value of 860 µg/L. The detection at TW-1 is below the Industrial -Commercial Health Based Drinking Water Value of 2,500 µg/L.

No elevated PID readings or soil staining were encountered during installation of the temporary well.

4.2 Oversight of the Investigation Performed by Third Party – 2004

4.2.1 Soil

Soil samples were collected from boring locations MW4-04 and MW4-04SO2. The following is a summary of the soil sample detections which exceed Part 201 criteria and are presented on Figure 4. The analytical results of the soil analysis are presented in Table 4. Shaded detections on Table 4 exceed NREPA 451, Part 201 criteria.

- Concentrations of benzo(a)pyrene in soil samples MW4-04 (6,000 µg/kg) and MW4-04SO2 (10,700 µg/kg) exceeded RDC criteria of (2,000 µg/kg) and/or the Part 201 Industrial and Commercial II Direct Contact Criteria (IDC) of (8,000 µg/kg).
- Concentrations of fluoranthene in soil samples MW4-04 (23,000 µg/kg) and MW4-04SO2 (28,000 µg/kg) exceeded Part 201 GSIP criteria of (5,500 µg/kg).
- Concentration of fluorene in soil sample MW4-04 (8,000 µg/kg) exceeded Part 201 GSIP criteria (5,300 µg/kg).
- Concentration of naphthalene in soil sample MW4-04SO2 (900 µg/kg) exceeded Part 201 GSIP criteria (870 µg/kg).
- Concentrations of phenanthrene in soil samples MW4-04 (18,000 µg/kg) and MW4-04SO2 (18,200 µg/kg) exceeded Part 201 GSIP criteria of (5,300 µg/kg).

Manganese and selenium were detected at concentrations that exceeded Part 201 GSIP criteria, but were below Statewide Default Background criteria.

There are several compounds which have elevated reporting limits that exceeded Part 201 criteria due to method detection limits or matrix interference. These reporting limits are not included in the summary above; however, all analytical results are included in Table 4.

4.2.2 Groundwater

A groundwater sample was collected from monitoring well MW4-04. There were no groundwater detections which exceeded Part 201 criteria in groundwater sample MW4-04. Table 6 presents the results of the groundwater analysis.

4.3 Supplemental Site Investigation - 2004

4.3.1 Surface Soil

Soil samples were collected from borings FA-1 through FA-17. The following is a summary of the soil sample detections which exceed Part 201 criteria and are presented on Figure 5. Table 4 presents the results of the soil analysis. Shaded detections on Table 4 exceed NREPA 451, Part 201 criteria.

- Concentrations of cobalt in soil samples FA-5 (7,980 µg/kg), FA-9 (9,010 µg/kg), and FA-10 (10,600 µg/kg) exceed Residential and Commercial I Drinking Water Protection (RDWP) criteria of 800 µg/kg, Industrial and Commercial II, III, and IV Drinking Water Protection (IDWP) criteria of 2,000 µg/kg, GSIP criteria of 2,000 µg/kg, and the SDB level of 6,800 µg/kg.
- Concentrations of manganese in soil samples FA-5 (453,000 µg/kg), FA-9 (475,000 µg/kg), FA-10 (681,000 µg/kg), FA-15 (1,350,000 µg/kg), and FA-17 (732,000 µg/kg) exceed the RDWP criteria of 1000 µg/kg, the IDWP criteria of 1,000 µg/kg, the GSIP criteria of 72,000 µg/kg, and the SDB level of 440,000 µg/kg.
- Concentrations of mercury in soil samples FA-5 (1,580 µg/kg), FA-8 (160 µg/kg), FA-15 (180 µg/kg), and FA-16 (210 µg/kg) exceed the GSIP criteria of 50 µg/kg and the SDB level of 130 µg/kg.

- The zinc concentration in soil sample FA-16 (359,000 µg/kg) exceeds the GSIP criteria of 280,000 µg/kg and the SDB level of 47,000 µg/kg.
- The pentachlorophenol concentration of soil sample FA-2 (200 µg/kg) exceeds the RDWP and IDWP criteria of 22 µg/kg.
- The phenanthrene concentration in soil sample FA-17 (35,000 µg/kg) exceeds the GSIP criteria of 5,300 µg/kg.
- The benzo(b)fluoranthene concentration in soil sample FA-17 (27,000 µg/kg) exceeds the RDC criteria of 20,000 µg/kg.
- The benzo(a)pyrene concentration in soil sample FA-17 (16,000 µg/kg) exceeds the RDC criteria of 2,000 µg/kg, the IDC criteria of 8,000 µg/kg, and Commercial IV Direct Contact (C4DC) criteria of 11,000 µg/kg.
- The soil sample collected at FA-17 also exceeded the GSIP criteria for carbazole, dibenzofuran, fluoranthene, and naphthalene.

Cobalt, manganese and mercury were detected at several locations at concentrations which exceeded Part 201 RDWP, IDWP, and/or GSIP criteria, but were below SDB levels.

There are several compounds which have elevated reporting limits that exceeded Part 201 criteria due to method detection limits or matrix interference. These reporting limits are not included in the summary above; however, all analytical results are included in Table 4.

4.3.2 Subsurface Soil

Soil samples were collected from MW4-04SO3 through MW4-04SO10, MW4-04SO12, MW4-04SO14, MW4-04SO15, and MW4-04SO17. The following is a summary of the soil sample detections that exceed Part 201 criteria and are presented on Figure 6. Table 4 presents the results of the soil analysis. Shaded detections exceed Michigan NREPA 451, Part 201 criteria.

- Concentrations of manganese in samples MW4-04SO3 (0-2 ft) (550,000 µg/kg), MW4-04SO8 (0-2 ft) (562,000 µg/kg) and MW4-04SO9 (0-2 ft) (570,000 µg/kg) exceed the Part 201 RDWP criteria of 1,000 µg/kg, IDWP

criteria of 1,000 µg/kg, GSIP criteria of 72,000 µg/kg and the SDB level of 440,000 µg/kg.

- The concentration of ethylbenzene in fill sample MW4-04SO6 (10-11 ft) (410 µg/kg) exceeds the Part 201 GSIP criteria of 360 µg/kg.
- The concentrations of xylene (total) in fill samples MW4-04SO6 (8-10 ft) (1,570 µg/kg) and MW4-04SO6 (10-11 ft) (2,350 µg/kg) exceed the Part 201 GSIP criteria of 700µg/kg.
- The concentration of benzo(a)pyrene in fill sample MW4-04SO10 (0-2 ft) (2,570 µg/kg) exceeds the Part 201 RDC criteria of 2,000 µg/kg.
- The concentration of fluoranthene in fill sample MW4-04SO10 (0-2 ft) (7,680 µg/kg) exceeds the GSIP criteria of 5,500 µg/kg.

Cobalt and manganese were detected at several locations at concentrations which exceeded Part 201 RDWP, IDWP and/or GSIP criteria, but were below SDB criteria.

There are several compounds which have elevated reporting limits that exceeded Part 201 criteria due to method detection limits or matrix interference. These reporting limits are not included in the summary above; however, all analytical results are included in Table 4.

4.4 Supplemental Site Investigation - 2007

4.4.1 Groundwater

As noted above, groundwater samples were collected from temporary monitoring wells TW-6, TW-7, and TW-8 in August and November, 2007. The following is a summary of the groundwater sample detections which exceed Part 201 criteria and are presented on Figure 7. The results of the groundwater analysis are summarized in Table 6. Shaded detections exceed Part 201 criteria.

- The concentration of aluminum at TW-6 (986 µg/L) exceeded Part 201 RDW and IDW in August, but was below criteria in November.
- The concentration of cadmium at TW-6 (9.6 µg/L) exceeded Part 201 RDW and IDW in August, but was below criteria in November.

- The concentration of copper at TW-6 (24 µg/L) exceeded Part 201 GSI in August, but was below criteria in November, 2007.
- Concentrations of iron at TW-6 (14,200 µg/L and 4190 µg/L) exceeded Part 201 RDW and IDW in both August and November 2007.
- Concentrations of magnesium at TW-6 (93,600 µg/L and 71,300 µg/L) exceeded Part 201 RDW in both August and November 2007.
- Concentrations of manganese at TW-6 (436 µg/L and 460 µg/L) and TW-8 (182 µg/L and 161 µg/L) exceeded Part 201 RDW in both August and November 2007.
- The concentration of sodium at TW-6 (146,000 µg/L) exceeded Part 201 RDW in November 2007.
- Concentrations of vanadium at TW-6 (5 µg/L) exceeded Part 201 RDW in both August and November 2007.

4.4.2 Comparison of Staff Gauge and GSI Monitoring Well Measurements

Water levels were collected from TW-1 and TW-8 in August, November and December, and were compared to stream gauge measurements taken from the staff gauge (SG-1) which was installed in Gilkey Creek. The results are summarized in Table 9. Based on one measurement at TW-1 and three measurements at TW-8, it appears that Gilkey Creek is a losing stream, such that the stream level is higher than the local water table. Thus, water from the stream likely drains into the surrounding subsurface.

5. Habitat Assessment

As briefly described in Section 1.2, the Site is heavily vegetated, and remains idle and vacant. Considering this and the fact that these conditions occur over an area of 56 acres, GM procured the services of Exponent EcoSciences of Bellevue, Washington (Exponent), to perform a habitat assessment. Exponent performed this habitat assessment in July 2007, and while Exponents detailed report is provided in Appendix E, a summary of their findings is provided in Section 6.1.3.

6. Summary

This section summarizes the findings of the 2003 - 2007 Site investigations performed by ARCADIS BBL, as well as a habitat assessment performed by Exponent.

6.1 Overall Findings

6.1.1 Soil Data

The Fill Area operated at the Site during the 1970's has been delineated based on visual observation and subsurface soil sampling. This area has been determined to measure approximately 21 acres in size, as illustrated on Figure 2. It is important to note that the focus of the investigations was to delineate the lateral extent of the Fill Area; therefore, only limited data exist (laboratory analytical and vertical extent) for the interior portions of the Fill Area.

Soil samples collected during the investigations completed in 2003/2004 across the Fill Area exhibited concentrations of analytes which exceeded Part 201 RDWP, IDWP, GSIP, RDC, IDC, and/or C4DC criteria. Direct contact criteria are exceeded by arsenic, benzo(a)pyrene, and/or benzo(b)fluoranthene at three surface soil sample locations located within the Fill Area. Part 201 RDWP, IDWP, and/or GSIP criteria were exceeded in several soil samples for antimony, cobalt, mercury, selenium, zinc, ethylbenzene, xylene (total), carbazole, dibenzofuran, fluoranthene, fluorene, naphthalene and phenanthrene; however, the groundwater samples collected do not exceed corresponding Part 201 GSI, IDW, or RDW criteria for these compounds.

The concentration of arsenic in soil at TW-1 (0-2 ft) (7.9 milligrams per kilogram [mg/kg]) slightly exceeds the corresponding Part 201 RDC criterion (7.6 mg/kg). As part of their review of investigations performed on behalf of the City of Flint, the Michigan Department of Environmental Quality has acknowledged that arsenic concentrations in soil up to 22 mg/kg are typical of the Flint and Detroit areas. This information is detailed in the *Final Phase II Environmental Site Assessment, University Park Housing Site, Saginaw & Cornella Streets, Flint, Michigan*, dated December 1997 and prepared by Snell Environmental Group, Inc. of Lansing, Michigan.

Manganese was detected at concentrations in soil which exceed Part 201 RDWP, IDWP and GSIP criteria. Manganese was also detected in groundwater at concentrations which exceed criteria. Pentachlorophenol was detected in soil at concentrations which exceed RDWP and IDWP criteria; however, the groundwater

samples collected at the Site do not exceed corresponding Part 201 RDW or IDW criteria for pentachlorophenol. These analytes are further discussed in Sections 5.1.2 and 5.2.

Based on the results of the 2003/2004 soil analysis, ARCADIS BBL subcontracted and observed the installation of a fence enclosing the Fill Area due to the presence of multiple contaminants that exceed direct contact criteria.

6.1.2 Groundwater Data

Groundwater samples collected in 2003/2004 at the Site detected manganese (total and dissolved) at concentrations which exceed Part 201 RDW and IDW criteria. Manganese detections exceed Part 201 aesthetic RDW and IDW criteria and Residential Health Based Drinking Water Value of 860 µg/L at one monitoring well location (TW-1) at the Site. None of the detections exceed the Industrial-Commercial Health Based Drinking Water Value of 2,500 µg/L.

Several metals in groundwater samples collected in 2007 exceeded Part 201 RDW and IDW criteria. Detections of iron and arsenic exceeded the Industrial-Commercial Health Based Drinking Water Values of 700 and 10 µg/L, respectively in both August and November.

6.1.3 Summary of Habitat Assessment

The habitat assessment conducted by Exponent in July 2007 revealed the following findings:

- The presence of several habitat types that likely support ecological receptors at the Site, including early successional shrub/forest, mature deciduous floodplain forest, open field/disturbed areas, and Gilkey Creek.
- Signs or direct observations of wildlife were recorded during the Site visit.
- Potential ecological receptors are likely to include both terrestrial and aquatic species, due to the presence of both habitat types on-Site.
- No special-status species or habitat for listed species are present on or near the Site.



Revised Site Investigation Report

56-Acre Undeveloped
Property
Adjacent to Delphi Energy &
Engine
Management Systems, Plant
600/700
Burton, Michigan

- Areas on-Site in the vicinity of the creek likely meet the criteria for wetlands.

Tables

TABLE 1
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SHALLOW SOIL BORING PHYSICAL CHARACTERISTICS - 2003

Location ID	Install Date	Coordinates		Ground Elevation	Survey Date	Boring Depth	Depth of Fill Material	Depth of Native Material
		X - Easting	Y - Northing					
FE-A1	12/8/2003	13321460.22	557221.36	762.20	1/4/2004	10.0	0-10	NA
FE-A2	12/8/2003	13321661.09	557229.95	762.33	1/4/2004	10.0	0-7.4	7.4-10.0
FE-A3	12/8/2003	13321559.24	557226.14	762.51	1/4/2004	10.0	0-6.5	6.5-10.0
FE-A4	12/8/2003	13321579.09	557224.56	762.48	1/4/2004	10.0	0-6.0	6.0-10.0
FE-A5	12/8/2003	13321613.41	557228.07	762.61	1/4/2004	10.0	0-6.0	6.0-10.0
FE-A6	12/9/2003	13321746.77	557233.95	762.93	1/4/2004	2.0	0-2.0	NA
FE-7	12/9/2003	13321896.65	557227.61	761.74	1/4/2004	3.0	0-3.0	NA
FE-A8	12/9/2003	13321685.97	557233.18	762.33	1/4/2004	4.0	0-4.0	NA
FE-B1	12/8/2003	13321573.92	557430.75	761.94	1/4/2004	5.0	0-5.0	NA
FE-B2	12/9/2003	13321743.63	557393.77	762.94	1/4/2004	5.0	0-2.0	2.0-5.0
FE-B3	12/9/2003	13321789.60	557384.07	763.30	1/4/2004	5.0	0-2.8	2.8-5.0
FE-B4	12/9/2003	13321840.82	557370.40	763.15	1/4/2004	4.0	0-1.7	1.7-4.0
FE-B5	12/9/2003	13321897.93	557352.48	762.80	1/4/2004	4.0	0-3.1	3.1-4.0
FE-C1	12/8/2003	13321570.91	557627.51	759.03	1/4/2004	10.0	NA	0-10.0
FE-C2	12/9/2003	13321644.29	557609.50	760.21	1/4/2004	5.0	NA	0-5.0
FE-C3	12/10/2003	13321514.80	557642.02	760.06	1/4/2004	5.0	NA	0-5.0
FE-D1	12/8/2003	13321570.75	557577.12	760.14	1/4/2004	10.0	NA	0-10.0
FE-D2	12/10/2003	13321507.88	557586.41	761.07	1/4/2004	5.0	NA	0-5.0
FE-D3	12/10/2003	13321459.83	557592.73	761.88	1/4/2004	5.0	0-2.5	2.5-5.0
FE-E1	12/8/2003	13321571.72	557477.78	762.15	1/4/2004	5.0	0-1.4	1.4-5.0
FE-F1	12/8/2003	13321570.52	557505.86	762.75	1/4/2004	1.0	0-1.0	NA
FE-F2	12/8/2003	13321620.63	557501.21	762.61	1/4/2004	5.0	0-2.3	2.3-5.0
FE-F3	12/8/2003	13321645.12	557496.39	762.28	1/4/2004	5.0	0-2.0	2.0-5.0
FE-F4	12/8/2003	13321668.85	557489.94	762.52	1/4/2004	5.0	0-2.1	2.1-5.0
FE-F5	12/9/2003	13321718.14	557474.30	762.72	1/4/2004	5.0	0-0.8	0.8-5.0
FE-F6	12/9/2003	13321742.12	557467.20	763.22	1/4/2004	5.0	0-1.5	1.5-5.0
FE-F7	12/9/2003	13321764.93	557458.34	763.29	1/4/2004	5.0	0-1.4	1.4-5.0
FE-F8	12/9/2003	13321883.48	557436.45	762.50	1/4/2004	5.0	0-0.3	0.3-5.0
FE-F9	12/9/2003	13321788.50	557451.93	763.37	1/4/2004	5.0	0-5.0	NA
FE-G1	12/9/2003	13321571.18	557539.90	761.52	1/4/2004	5.0	0-0.8	0.8-5.0
FE-G2	12/9/2003	13321751.86	557496.31	761.67	1/4/2004	5.0	0-1.0	1.0-5.0
FE-G3	12/9/2003	13321676.87	557516.62	761.78	1/4/2004	5.0	0-1.8	1.8-5.0
FE-G4	12/9/2003	13321625.80	557526.45	762.41	1/4/2004	5.0	0-2.4	2.4-5.0

TABLE 1
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SHALLOW SOIL BORING PHYSICAL CHARACTERISTICS - 2003

Location ID	Install Date	Coordinates		Ground Elevation	Survey Date	Boring Depth	Depth of Fill Material	Depth of Native Material
		X - Easting	Y - Northing					
FE-H1	12/9/2003	13321660.92	557255.46	762.48	1/4/2004	5.0	0-1.0	1.0-5.0
FE-I1	12/9/2003	13321779.24	557426.72	763.25	1/4/2004	5.0	0-1.9	1.9-5.0
FE-I2	12/9/2003	13321866.06	557402.34	763.04	1/4/2004	5.0	0-1.2	1.2-5.0
FE-I3	12/9/2003	13321818.54	557418.96	763.06	1/4/2004	4.0	0-1.6	1.6-4.0
FE-J1	12/10/2003	13321522.66	557690.89	759.05	1/4/2004	0.5	0-4.0	4.0-5.0
FE-J2	12/10/2003	13321469.72	557699.78	759.87	1/4/2004	5.0	NA	0-5.0
FE-K1	12/10/2003	13321529.18	557733.09	758.61	1/4/2004	5.0	0-4.0	4-5.0
FE-K2	12/10/2003	13321480.48	557737.98	758.38	1/4/2004	5.0	0-4.0	4-5.0
FE-K3	12/10/2003	13321433.03	557741.87	759.78	1/4/2004	5.0	0-2.0	2.0-5.0
FE-K4	12/10/2003	13321321.82	557730.85	758.58	1/4/2004	5.0	0-2.5	2.5-5.0
FE-L1	12/10/2003	13321309.23	557778.22	756.74	1/4/2004	5.0	NA	0-5.0
FE-M1	12/10/2003	13321259.17	557929.72	758.56	1/4/2004	5.0	NA	0-5.0
FE-M2	12/10/2003	13321156.49	557960.55	760.78	1/4/2004	5.0	0-1.0	1.0-5.0
FE-M3	12/10/2003	13321069.93	558010.23	760.87	1/4/2004	5.0	0-5.0	NA
FE-N1	12/10/2003	13321307.78	558022.02	761.07	1/4/2004	5.0	0-3.0	3.0-5.0
FE-P1	12/10/2003	13321324.43	558121.23	762.38	1/4/2004	5.0	0-2.5	2.5-5.0
FE-P2	12/10/2003	13321413.47	558076.05	759.95	1/4/2004	5.0	0-5.0	NA
FE-P3	12/10/2003	13321369.30	558101.42	760.17	1/4/2004	5.0	0-0.3	0.3-5.0
FE-Q1	12/10/2003	13321344.52	558219.36	762.61	1/4/2004	5.0	0-2.5	2.5-5.0
FE-R1	12/10/2003	13321362.10	558317.08	763.50	1/4/2004	5.0	NA	0-5.0
FE-R2	12/10/2003	13321263.71	558340.20	761.93	1/4/2004	5.0	NA	0-5.0
FE-R3	12/10/2003	13321198.71	558345.66	761.07	1/4/2004	5.0	0-1.5	1.5-5.0
FE-S1	12/10/2003	13321376.78	558605.99	759.85	1/4/2004	5.0	0-5.0	NA
FE-S2	12/10/2003	13321169.31	558588.46	761.07	1/4/2004	5.0	0-5.0	NA
FE-T1	12/10/2003	13321311.54	558706.08	759.97	1/4/2004	5.0	0-3.0	3.0-5.0
FE-T2	12/10/2003	13321377.99	558707.81	758.83	1/4/2004	5.0	NA	0-5.0
FE-U1	12/10/2003	13321313.01	558796.42	757.92	1/4/2004	5.0	NA	0-5.0
FE-U4	12/10/2003	13320716.58	558824.75	755.35	1/4/2004	5.0	NA	0-5.0

Notes:

1. Elevations are based on North American Vertical Datum of 1988.
2. Coordinates are based on North American Datum 1983, Michigan, South Zone.
3. Depths are in feet below ground surface.

TABLE 2
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF MONITORING WELL DETAILS AND WATER QUALITY PARAMETERS

Monitoring Well I.D.	Ground Elevation (ft)	Top of Casing Elevation (ft)	Screen Depth (ft bgs)	Screened Formation	Depth to Water (ft TOC)	Groundwater Elevation (ft)	Temp. (°C)	pH	Conductivity (µS/cm)
Site Wells									
TW-1*	752.96	755.92	7 to 12' bgs	Native Sand, Gravel, and Silt	9.37	746.55	8.65	6.93	1021
MW-1**	760.26	762.54	10 to 15' bgs	Fill Sand and Native Silt	8.11	754.43	6	7.08	810
MW-2**	763.65	765.98	10 to 15' bgs	Fill Sand/Native Silt and Sand	12.67	753.31	9	7.18	1570
TW-6***	753.94	756.46	8 to 13' bgs	Native Clay, some Sand	13.75 / 10.98	742.71 / 745.48	14.75 / 10.01	7.28 / 7.70	1446 / 678
TW-7***	758.16	760.28	8 to 13' bgs	Native Sand	10.21 / 10.95	750.07 / 749.33	11.99 / 11.42	7.76 / 7.96	328 / 113
TW-8***	753.41	757.56	8 to 13' bgs	Native Gravel and Clay	11.45 / 13.60	746.11 / 743.96	12.45 / 11.42	7.09 / 7.96	564 / 177
Off-Site Wells on Adjacent Undeveloped Land									
TW-2*	765.10	768.25	7 to 12' bgs	Native Sand and Silt	7.17	761.08	8.45	7.29	536
TW-3*	765.12	768.02	9 to 14' bgs	Native Sand	7.89	760.13	9.39	7.04	926
TW-4*	763.50	766.66	9 to 14' bgs	Native Sand	8.60	758.06	9.67	7.34	562
TW-5*	758.55	761.48	9 to 14' bgs	Native Silt, Sand, and Clay	12.02	749.46	8.78	7.42	586
MW-3**	766.65	768.59	8 to 13' bgs	Native Sand and Silt	3.82	764.77	N/A	N/A	N/A
MW-4**	762.76	765.00	10 to 15' bgs	Native Sand	6.12	758.88	N/A	N/A	N/A

Notes:

1. Depth to water measurements taken 1/13/2004.
2. Elevations are based on North American Vertical Datum of 1988.
3. bgs = below ground surface.
4. TOC = top of casing

N/A = Not Available

* Groundwater parameters recorded during 12/22/04 sampling event. Data collected by BBL.

** Groundwater parameters recorded during 3/15/96 sampling event. Data collected by others.

*** Groundwater parameters recorded during 8/8/07 and 11/7/07 sampling events, respectively. Data collected by ARCADIS BBL.

TABLE 3
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF LITHOLOGIC DESCRIPTIONS AND PID READINGS - 2003/2004/2007

Location	Depth (ft bgs)	Lithologic Description	PID Readings
FA-1	0-2	Black SAND some SILT	0.5
FA-2	0-2	Black and tan SAND	0.3
FA-3	0-2	Brown SAND, SILT, and CLAY	0.7
FA-4	0-2	Black SAND and SILT with CLAY	0.7
FA-5	0-2	Dark brown SAND and SILT with CLAY	0.3
FA-6	0-2	Brown SILT and CLAY	0.5
FA-7	0-2	Dark brown SAND and SILT	0.4
FA-8	0-2	Dark brown SAND and SILT	0.2
FA-9	0-2	Dark brown SILT and CLAY	0.7
FA-10	0-2	Dark brown SAND, SILT and CLAY	0.8
FA-11	0-2	Dark brown SAND and SILT with CLAY	0.3
FA-12	0-2	Dark brown SAND and SILT	0.4
FA-13	0-2	Brown SAND and SILT	0.2
FA-14	0-2	Dark brown SAND and SILT with CLAY	0.3
FA-15	0-2	Dark brown SAND and SILT	0.2
FA-16	0-2	Tan to brown CLAY	0.9
FA-17	0-2	Dark brown SAND and SILT	1.9
SB-1	0-10	Brown SILT over dark gray CLAY	0.0
SB-2	0-10	Brown SILT over brown SAND and gray CLAY	0.0
SB-3	0-10	Brown SILT over brown SAND	0.0
SB-4	0-10	Brown SILT over brown SAND	0.0
SB-5	0-10	Brown SILT over brown SAND and gray CLAY	0.0
SB-6	0-6	Brown SILT	0.0
SB-7	0-10	Brown SILT over brown SAND and gray CLAY	0.0
SB-8	0-10	Brown SILT over brown SAND	0.0
SB-9	0-2	Brown SILT	0.0
SB-10	0-2	Brown SILT	0.0

Notes:

1. Lithologic descriptions and PID readings from FA borings recorded during sampling 3/3/04. SB borings recorded during sampling on 8/8/07.
2. ft bgs = feet below ground surface.

TABLE 4 GENERAL MOTORS CORPORATION											
SITE INVESTIGATION REPORT 56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700 SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004											
Sample ID: Sample Depth(ft): Date Collected:		TW-1 0 - 2 12/11/03	TW-1 5.5 - 7.5 12/11/03	FA-1 0 - 1 03/03/04	FA-2 0 - 1 03/03/04	FA-3 0 - 1 03/03/04	FA-4 0 - 1 03/03/04	FA-5 0 - 1 03/03/04	FA-6 0 - 1 03/03/04	FA-7 0 - 1 03/03/04	FA-8 0 - 1 03/03/04
Inorganics											
Antimony	ug/kg	500 U [500 U]	500 U	500 U [500 U]	500 U	500 U	500 U	900	500 U	500 U	500 U [500 U]
Arsenic	ug/kg	7,900 (RDC) [8,250 (RDC)]	1,810	730 [650]	770	900	730	2,370	990	2,450	1,080 [1,470]
Barium	ug/kg	69,900 [71,300]	10,100	8,000 [7,500]	9,400	34,000	39,900	62,300	28,800	36,700	61,400 [44,200]
Beryllium	ug/kg	360 [360]	100 U	100 U [100 U]	100	320	390	450	200	240	270 [220]
Cadmium	ug/kg	370 [450]	50.0 U	70.0 [70.0]	60.0	160	140	420	140	330	320 [250]
Chromium III	ug/kg	5,830 [5,950]	1,930	9,810 [6,960]	8,660	10,900	16,500	29,400	3,670	3,880	36,900 [13,000]
Cobalt	ug/kg	2,600 [2,720]	1,600	670 [570]	1,100	5,460	4,960	7,980 (GSIP,IDWP,RDWP)	3,190	2,080	4,120 [2,420]
Copper	ug/kg	14,200 [14,100]	3,600	5,190 [5,020]	9,470	6,230	9,220	35,700	4,280	7,790	15,100 [8,730]
Lead	ug/kg	19,400 [20,100]	2,200	11,600 [12,900]	6,140	9,290	17,500	56,500	10,700	20,400	31,200 [32,800]
Manganese	ug/kg	149,000 [287,000]	46,600	99,300 [75,900]	92,600	306,000	250,000	453,000 (GSIP,IDWP,RDWP)	191,000	166,000	284,000 [283,000]
Mercury	ug/kg	110 [110]	100 U	100 U [100 U]	100 U	120	100 U	1,580 (GSIP)	100 U	100 U	110 [160 (GSIP)]
Nickel	ug/kg	5,940 [6,180]	2,480	5,460 [4,140]	7,330	14,000	14,000	23,700	3,330	4,300	15,000 [7,530]
Selenium	ug/kg	560 (GSIP) [730 (GSIP)]	200 U	200 U [200 U]	200 U	200 U	200 U	200 U	200 U	200 U	220 [200 U]
Silver	ug/kg	200 U [200 U]	200 U	200 U [200 U]	200 U	200 U	200 U	200 U	200 U	200 U	200 U [200 U]
Thallium	ug/kg	100 U [100 U]	100 U	100 U [100 U]	100 U	100 U	100 U	130	100 U	100 U	100 U [100 U]
Vanadium	ug/kg	13,700 [14,100]	2,720	5,440 [3,200]	3,340	10,700	11,600	14,200	5,120	6,570	7,230 [4,590]
Zinc	ug/kg	28,300 [30,900]	7,100	13,000 [15,900]	10,700	32,300	35,300	64,600	16,700	26,200	59,600 [45,000]
Volatile Organics											
1,1,1-Trichloroethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,1,2,2-Tetrachloroethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	100 U [100 U]	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U [100 U]
1,1,2-Trichloroethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,1-Dichloroethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,1-Dichloroethene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,2,4-Trichlorobenzene	ug/kg	30 [100 U]	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	30	100 U	100 U [100 U]
1,2,4-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,2-Dibromoethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,2-Dichlorobenzene	ug/kg	70 U [70 U]	60 U	20 [20]	20	20	20	20	30	20	20 [20]
1,2-Dichloroethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,2-Dichloropropane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
1,3,5-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	70 U [70 U]	60 U	20 [10]	20	10	20	20	20	10	10 [10]
1,4-Dichlorobenzene	ug/kg	20 [70 U]	60 U	20 [20]	20	20	20	30	30	20	20 [20]
2-Butanone	ug/kg	1,000 U [1,000 U]	900 U	400 [400]	300	300	400	400	400	800 U	800 U [400]
2-Hexanone	ug/kg	3,000 U [3,000 U]	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]
4-Methyl-2-pentanone	ug/kg	3,000 U [3,000 U]	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]
Acetone	ug/kg	2,800 [1,000 U]	900 U	800 U [800 U]	800 U	800 U	800 U	800 U	800 U	800 U	800 U [800 U]
Benzene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Bromodichloromethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Bromoform	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Bromomethane	ug/kg	300 U [300 U]	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U [300 U]
Carbon Disulfide	ug/kg	300 U [300 U]	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U [300 U]
Carbon Tetrachloride	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Chlorobenzene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Chloroethane	ug/kg	300 U [300 U]	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U [300 U]
Chloroform	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Chloromethane	ug/kg	300 U [300 U]	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U [300 U]
cis-1,2-Dichloroethene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
cis-1,3-Dichloropropene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Cyclohexane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Dibromochloromethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Dichlorodifluoromethane	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Ethylbenzene	ug/kg	20 [20]	20	50 U [50 U]	9.0	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Isopropylbenzene	ug/kg	70 U [70 U]	60 U	7.0 [7.0]	9.0	50 U	8.0	8.0	10	9.0	9.0 [8.0]
Methyl Acetate	ug/kg	3,000 U [3,000 U]	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]
Methyl cyclohexane	ug/kg	70 U [70 U]	60 U	20 [10]	40	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Notes:											
NA- Not Analyzed											
Shading indicates an exceedance of at least one criteria.											
Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.											
Data not validated.											
U - Constituent not detected.											
[] - Analytical results of duplicate samples.											

TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		TW-1 0 - 2 12/11/03	TW-1 5.5 - 7.5 12/11/03	FA-1 0 - 1 03/03/04	FA-2 0 - 1 03/03/04	FA-3 0 - 1 03/03/04	FA-4 0 - 1 03/03/04	FA-5 0 - 1 03/03/04	FA-6 0 - 1 03/03/04	FA-7 0 - 1 03/03/04	FA-8 0 - 1 03/03/04
	Units										
Methyl tert-butyl ether	ug/kg	300 U [300 U]	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U [300 U]
Methylene Chloride	ug/kg	300 U [300 U]	300 U	300 U [300 U]	300 U	300 U	10	300 U	300 U	300 U	300 U [300 U]
Naphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	20	50 U	50 U	50 U	6.0	50 U	50 U [50 U]
p,m-Xylene	ug/kg	70 U [70 U]	60 U	20 [50 U]	30	50 U	20	20	20	50 U	50 U [50 U]
p-Isopropyltoluene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
tert-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Toluene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	20	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
trans-1,2-Dichloroethene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
trans-1,3-Dichloropropene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Trichloroethene	ug/kg	70 U [70 U]	60 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U [50 U]
Trichlorofluoromethane	ug/kg	100 U [100 U]	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U [100 U]
Vinyl Chloride	ug/kg	100 U [100 U]	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U [100 U]
Xylenes (total)	ug/kg	70 U [70 U]	60 U	20 [50 U]	50	50 U	20	20	26	50 U	50 U [50 U]
Semivolatile Organics											
1,1'-Biphenyl	ug/kg	330 U [330 U]	330 U	20 [20]	30	600 U	9.0	600 U	330 U	330 U	600 U [500 U]
2,4,5-Trichlorophenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2,4,6-Trichlorophenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2,4-Dichlorophenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2,4-Dimethylphenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2,4-Dinitrophenol	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
2,4-Dinitrotoluene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2,6-Dinitrotoluene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2-Chloronaphthalene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2-Chlorophenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2-Methylnaphthalene	ug/kg	330 U [330 U]	330 U	70 [60]	100	600 U	20	100	330 U	330 U	90 [100]
2-Methylphenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
2-Nitroaniline	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
2-Nitrophenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
3,3'-Dichlorobenzidine	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
3-Nitroaniline	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
4,6-Dinitro-2-methylphenol	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
4-Bromophenyl-phenylether	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
4-Chloro-3-Methylphenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
4-Chloroaniline	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
4-Chlorophenyl-phenylether	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
4-Methylphenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
4-Nitroaniline	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
4-Nitrophenol	ug/kg	700 U [700 U]	700 U	700 U [700 U]	700 U	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
Acenaphthene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	50	330 U	330 U	600 U [500 U]
Acenaphthylene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]

Notes:
NA- Not Analyzed
Shading indicates an exceedance of at least one criteria.
Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.
Data not validated
U - Constituent not detected
[] - Analytical results of duplicate samples.

TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		TW-1 0 - 2 12/11/03	TW-1 5.5 - 7.5 12/11/03	FA-1 0 - 1 03/03/04	FA-2 0 - 1 03/03/04	FA-3 0 - 1 03/03/04	FA-4 0 - 1 03/03/04	FA-5 0 - 1 03/03/04	FA-6 0 - 1 03/03/04	FA-7 0 - 1 03/03/04	FA-8 0 - 1 03/03/04
Units											
Acetophenone	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Anthracene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	100	330 U	100	330 U	330 U	600 U [40]
Atrazine	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Benzaldehyde	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Benzo(a)anthracene	ug/kg	8.0 [9.0]	330 U	10 [20]	20	700	20	400	30	40	100 [200]
Benzo(a)pyrene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	700	330 U	400	40	50	200 [200]
Benzo(b)fluoranthene	ug/kg	330 U [330 U]	330 U	330 U [50]	330 U	1,000	330 U	700	60	70	300 [400]
Benzo(g,h,i)perylene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	100	330 U	100	330 U	330 U	600 U [500 U]
Benzo(k)fluoranthene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	300	330 U	200	330 U	330 U	600 U [200]
bis(2-Chloroethoxy)methane	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
bis(2-Chloroethyl)ether	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
bis(2-Chloroisopropyl)ether	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
bis(2-Ethylhexyl)phthalate	ug/kg	330 U [30]	330 U	40 [30]	30	600 U	30	12,000	40	40	80 [70]
Butylbenzylphthalate	ug/kg	330 U [330 U]	330 U	30 [20]	330 U	600 U	200	200	330 U	330 U	1,700 [1,400]
Caprolactam	ug/kg	330 U [330 U]	330 U	100 [100]	330 U	600 U	100	600 U	330 U	330 U	600 U [500 U]
Carbazole	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	90	330 U	70	330 U	330 U	600 U [500 U]
Chrysene	ug/kg	330 U [330 U]	330 U	20 [30]	20	800	20	400	30	40	200 [200]
Dibenzo(a,h)anthracene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Dibenzofuran	ug/kg	330 U [330 U]	330 U	330 U [330 U]	20	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Diethylphthalate	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Dimethylphthalate	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Di-n-Butylphthalate	ug/kg	30 [20]	20	50 [50]	50	100	70	200	60	40	70 [80]
Di-n-Octylphthalate	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	300	330 U	330 U	600 U [500 U]
Fluoranthene	ug/kg	10 [10]	330 U	20 [50]	40	1,000	30	900	70	100	300 [500]
Fluorene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	50	330 U	330 U	600 U [500 U]
Hexachlorobenzene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Hexachlorobutadiene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Hexachlorocyclopentadiene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Hexachloroethane	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Indeno(1,2,3-cd)pyrene	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Isophorone	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
Naphthalene	ug/kg	330 U [330 U]	330 U	60 [60]	100	600 U	20	600 U	330 U	330 U	600 U [500 U]
Nitrobenzene	ug/kg	200 U [200 U]	200 U	200 U [200 U]	200 U	600 U	200 U	600 U	200 U	200 U	600 U [500 U]
N-Nitroso-di-n-propylamine	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
N-Nitrosodiphenylamine	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [30]
Pentachlorophenol	ug/kg	700 U [700 U]	700 U	700 U [700 U]	200 (IDWP,RDWP)	600 U	700 U	600 U	700 U	700 U	600 U [1,000 U]
Phenanthrene	ug/kg	330 U [330 U]	330 U	50 [70]	100	600	30	700	40	50	200 [400]
Phenol	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	700	330 U	330 U	900 [900]
Pyrene	ug/kg	330 U [330 U]	330 U	30 [50]	50	900	30	800	60	70	400 [500]
Total Methylphenols	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	600 U	330 U	600 U	330 U	330 U	600 U [500 U]
PCBs											
Aroclor-1016	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U [330 U]
Aroclor-1221	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U [330 U]
Aroclor-1232	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U [330 U]
Aroclor-1242	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U [330 U]
Aroclor-1248	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U [330 U]
Aroclor-1254	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	40	330 U	330 U	330 U [330 U]
Aroclor-1260	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	20 [50]
Total PCBs	ug/kg	330 U [330 U]	330 U	330 U [330 U]	330 U	330 U	330 U	40	330 U	330 U	20 [50]
Miscellaneous											
Percent Solids	%	76 [75]	90	90 [92]	92	87	86	85	87	82	90 [91]

Notes:
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TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		FA-9 0 - 1 03/03/04	FA-10 0 - 1 03/03/04	FA-11 0 - 1 03/03/04	FA-12 0 - 1 03/03/04	FA-13 0 - 1 03/03/04	FA-14 0 - 1 03/03/04	FA-15 0 - 1 03/03/04	FA-16 0 - 1 03/03/04	FA-17 0 - 1 03/03/04	MW404 5 - 8 04/23/04
Inorganics											
Antimony	ug/kg	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	NA
Arsenic	ug/kg	1,230	1,160	980	1,130	1,360	1,370	1,040	2,350	670	2,540
Barium	ug/kg	68,200	76,700	37,900	15,600	35,800	39,000	107,000	60,400	69,100	42,000
Beryllium	ug/kg	360	500	240	110	220	250	950	400	150	NA
Cadmium	ug/kg	370	280	260	100	110	250	1,300	380	1,410	200
Chromium III	ug/kg	10,000	41,300	42,800	16,700	4,130	7,080	45,200	9,130	186,000	6,740
Cobalt	ug/kg	9,010 (GSIP,IDWP,RDWP)	10,600 (GSIP,IDWP,RDWP)	3,860	1,540	3,010	2,750	5,170	3,270	4,680	NA
Copper	ug/kg	11,500	19,000	26,000	14,800	6,110	16,900	23,300	27,100	97,100	NA
Lead	ug/kg	27,000	11,400	37,300	6,580	13,000	48,200	96,100	27,900	110,000	23,100
Manganese	ug/kg	475,000 (GSIP,IDWP,RDWP)	681,000 (GSIP,IDWP,RDWP)	328,000	297,000	229,000	242,000	1,350,000 (GSIP,IDWP,RDWP)	133,000	732,000 (GSIP,IDWP,RDWP)	NA
Mercury	ug/kg	100 U	100 U	100 U	100 U	100 U	100 U	180 (GSIP)	210 (GSIP)	100	NA
Nickel	ug/kg	11,100	28,400	16,700	11,500	6,100	10,800	19,900	10,500	60,600	NA
Selenium	ug/kg	240	270	200 U	200 U	260	220	200 U	340	200 U	410
Silver	ug/kg	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	270	NA
Thallium	ug/kg	100 U	100 U	100 U	100 U	100 U	100 U	120	100 U	110	NA
Vanadium	ug/kg	9,730	15,300	6,130	1,340	6,110	5,250	10,000	8,620	500 U	NA
Zinc	ug/kg	52,000	38,600	48,700	10,100	17,900	106,000	188,000	359,000 (GSIP)	190,000	NA
Volatile Organics											
1,1,1-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	70	7.0	50 U
1,1,2,2-Tetrachloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA
1,1,2-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	ug/kg	100 U	100 U	100 U	100 U	100 U	100 U	20	30	20	NA
1,2,4-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
1,2-Dibromo-3-chloropropane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA
1,2-Dibromoethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichlorobenzene	ug/kg	20	20	20	20	20	20	20	30	20	50 U
1,2-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U
1,3-Dichlorobenzene	ug/kg	20	20	20	20	10	20	20	20	20	50 U
1,4-Dichlorobenzene	ug/kg	20	20	20	20	20	20	20	30	20	50 U
2-Butanone	ug/kg	500	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	3,000 U
2-Hexanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
4-Methyl-2-pentanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Acetone	ug/kg	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	3,000 U
Benzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromoform	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Disulfide	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	3,000 U
Carbon Tetrachloride	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	50 U
Chloroform	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloromethane	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	50 U
cis-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Cyclohexane	ug/kg	50 U	120	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA
Dibromochloromethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA
Ethylbenzene	ug/kg	50 U	10	50 U	50 U	50 U	50 U	50 U	7.0	7.0	50 U
Isopropylbenzene	ug/kg	7.0	20	9.0	9.0	7.0	10	9.0	10	50 U	50 U
Methyl Acetate	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	NA
Methyl cyclohexane	ug/kg	50 U	160	20	20	50 U	50 U	6.0	20	50 U	NA

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TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		FA-9 0 - 1 03/03/04	FA-10 0 - 1 03/03/04	FA-11 0 - 1 03/03/04	FA-12 0 - 1 03/03/04	FA-13 0 - 1 03/03/04	FA-14 0 - 1 03/03/04	FA-15 0 - 1 03/03/04	FA-16 0 - 1 03/03/04	FA-17 0 - 1 03/03/04	MW404 5 - 8 04/23/04
	Units										
Methyl tert-butyl ether	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Methylene Chloride	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Naphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
n-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
n-Propylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U
o-Xylene	ug/kg	50 U	30	9.0	50 U	50 U	50 U	50 U	10	8.0	50 U
p,m-Xylene	ug/kg	50 U	40	50 U	50 U	50 U	50 U	50 U	20	50 U	50 U
p-Isopropyltoluene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
sec-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U
Styrene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
tert-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U
Tetrachloroethene	ug/kg	50 U	30	50 U	50 U	50 U	50 U	50 U	30	50 U	50 U
Toluene	ug/kg	50 U	30	50 U	50 U	50 U	50 U	50 U	50 U	10	50 U
trans-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	60	60	50 U
Trichlorofluoromethane	ug/kg	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	NA
Vinyl Chloride	ug/kg	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	50 U
Xylenes (total)	ug/kg	50 U	70	9.0	50 U	50 U	50 U	50 U	30	8.0	50 U
Semivolatile Organics											
1,1'-Biphenyl	ug/kg	600 U	30	600 U	10	330 U	330 U	50	9.0	300	NA
2,4,5-Trichlorophenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2,4,6-Trichlorophenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2,4-Dichlorophenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2,4-Dimethylphenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2,4-Dinitrophenol	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
2,4-Dinitrotoluene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2,6-Dinitrotoluene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2-Chloronaphthalene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2-Chlorophenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2-Methylnaphthalene	ug/kg	600 U	200	50	50	330 U	330 U	200	60	700	39,000
2-Methylphenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
2-Nitroaniline	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
2-Nitrophenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
3,3'-Dichlorobenzidine	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
3-Nitroaniline	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
4,6-Dinitro-2-methylphenol	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
4-Bromophenyl-phenylether	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
4-Chloro-3-Methylphenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
4-Chloroaniline	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
4-Chlorophenyl-phenylether	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
4-Methylphenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
4-Nitroaniline	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
4-Nitrophenol	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
Acenaphthene	ug/kg	100	600 U	600 U	330 U	330 U	330 U	300	330 U	4,000	4,000
Acenaphthylene	ug/kg	50	600 U	600 U	330 U	330 U	330 U	20	330 U	4,000 U	3,000 U

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Sample ID: Sample Depth(ft): Date Collected:		FA-9 0 - 1 03/03/04	FA-10 0 - 1 03/03/04	FA-11 0 - 1 03/03/04	FA-12 0 - 1 03/03/04	FA-13 0 - 1 03/03/04	FA-14 0 - 1 03/03/04	FA-15 0 - 1 03/03/04	FA-16 0 - 1 03/03/04	FA-17 0 - 1 03/03/04	MW404 5 - 8 04/23/04
	Units										
Acetophenone	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Anthracene	ug/kg	300	20	600 U	330 U	330 U	330 U	500	330 U	10,000	4,000
Atrazine	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Benzaldehyde	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Benzo(a)anthracene	ug/kg	600	100	40	40	10	30	1,200	30	15,000	6,000
Benzo(a)pyrene	ug/kg	200	200	600 U	60	10	30	1,400	30	16,000 (C4DC,IDC,RDC)	6,000 (RDC)
Benzo(b)fluoranthene	ug/kg	1,000	300	600 U	90	330 U	330 U	2,100	330 U	27,000 (RDC)	7,000
Benzo(g,h,i)perylene	ug/kg	100	600 U	600 U	20	330 U	330 U	400	330 U	3,000	3,000
Benzo(k)fluoranthene	ug/kg	400	600 U	600 U	330 U	330 U	330 U	700	330 U	10,000	4,000
bis(2-Chloroethoxy)methane	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
bis(2-Chloroethyl)ether	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
bis(2-Chloroisopropyl)ether	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
bis(2-Ethylhexyl)phthalate	ug/kg	500	600 U	600 U	50	30	330 U	70	40	4,000 U	NA
Butylbenzylphthalate	ug/kg	100	600 U	60	330 U	330 U	330 U	100	330 U	500	NA
Caprolactam	ug/kg	600 U	600 U	600 U	100	330 U	330 U	600 U	330 U	4,000 U	NA
Carbazole	ug/kg	200	30	600 U	330 U	330 U	330 U	300	330 U	5,000 (GSIP)	NA
Chrysene	ug/kg	500	100	50	50	10	30	1,200	30	14,000	7,000
Dibenzo(a,h)anthracene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	3,000 U
Dibenzofuran	ug/kg	60	40	600 U	330 U	330 U	330 U	200	330 U	2,000 (GSIP)	NA
Diethylphthalate	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Dimethylphthalate	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Di-n-Butylphthalate	ug/kg	70	100	70	30	30	70	200	60	4,000 U	NA
Di-n-Octylphthalate	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Fluoranthene	ug/kg	1,600	200	70	70	20	60	3,600	60	40,000 (GSIP)	23,000 (GSIP)
Fluorene	ug/kg	100	600 U	600 U	330 U	330 U	330 U	300	330 U	4,000	8,000 (GSIP)
Hexachlorobenzene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Hexachlorobutadiene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Hexachlorocyclopentadiene	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Hexachloroethane	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Indeno(1,2,3-cd)pyrene	ug/kg	100	600 U	600 U	330 U	330 U	330 U	400	330 U	3,000	4,000
Isophorone	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Naphthalene	ug/kg	60	100	600 U	40	330 U	330 U	200	50	3,000 (GSIP)	3,000 U
Nitrobenzene	ug/kg	600 U	600 U	600 U	200 U	200 U	200 U	600 U	200 U	4,000 U	NA
N-Nitroso-di-n-propylamine	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
N-Nitrosodiphenylamine	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
Pentachlorophenol	ug/kg	600 U	600 U	600 U	700 U	700 U	700 U	600 U	700 U	4,000 U	NA
Phenanthrene	ug/kg	1,300	200	70	70	10	330 U	2,700	60	35,000 (GSIP)	18,000 (GSIP)
Phenol	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600	330 U	2,000	NA
Pyrene	ug/kg	1,700	200	80	70	20	50	2,900	50	50,000	3,000
Total Methylphenols	ug/kg	600 U	600 U	600 U	330 U	330 U	330 U	600 U	330 U	4,000 U	NA
PCBs											
Aroclor-1016	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Aroclor-1221	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Aroclor-1232	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Aroclor-1242	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Aroclor-1248	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Aroclor-1254	ug/kg	30	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Aroclor-1260	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	10	330 U
Total PCBs	ug/kg	30	330 U	330 U	330 U	330 U	330 U	330 U	330 U	10	330 U
Miscellaneous											
Percent Solids	%	83	90	88	88	89	94	88	84	90	86.8

Notes:
NA- Not Analyzed
Shading indicates an exceedance of at least one criteria.
Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.
Data not validated
U - Constituent not detected
[] - Analytical results of duplicate samples.

TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW404SO2 6 - 8 04/23/04	MW4-04SO3 0 - 2 05/07/04	MW4-04SO3 8 - 10 05/07/04	MW4-04SO4 0 - 2 05/07/04	MW4-04SO4 8 - 10 05/07/04	MW-04SO5 0 - 2 05/07/04	MW-04SO5 8 - 10 05/07/04	MW-04SO5 11 - 13 05/07/04	MW4-04SO6 0 - 2 05/07/04	MW4-04SO6 8 - 10 05/07/04	MW4-04SO6 10 - 11 05/07/04	MW4-04SO7 0 - 2 05/07/04
Inorganics													
Antimony	ug/kg	NA	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Arsenic	ug/kg	1,810	660	860	1,270	520	580	470	1,110	2,200	2,390	5,230	2,420
Barium	ug/kg	29,100	30,300	3,900	35,100	16,000	62,400	3,500	9,600	51,100	26,700	43,500	42,200
Beryllium	ug/kg	NA	100 U	100 U	256	124	379	100 U	100 U	228	156	198	238
Cadmium	ug/kg	190	120	50.0 U	100	70.0	50.0	50.0 U	80.0	230	140	240	300
Chromium III	ug/kg	8,670	1,400	870	3,910	1,690	2,700	1,400	1,680	5,120	6,390	7,980	5,490
Cobalt	ug/kg	NA	1,510	720	4,740	1,830	1,940	1,020	2,150	2,990	2,450	2,790	2,580
Copper	ug/kg	NA	1,400	1,200	3,100	1,000	3,700	1,000 U	1,800	11,100	8,900	19,100	10,300
Lead	ug/kg	18,000	5,700	1,300	6,200	3,600	5,700	1,200	2,300	63,600	14,400	20,800	60,400
Manganese	ug/kg	NA	550,000 (GSIP,IDWP,RDWP)	91,900	286,000	157,000	61,300	95,500	148,000	329,000	237,000	357,000	393,000
Mercury	ug/kg	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Nickel	ug/kg	NA	930	1,550	8,060	1,890	2,170	1,410	2,670	5,790	5,880	7,020	5,590
Selenium	ug/kg	390	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Silver	ug/kg	NA	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Thallium	ug/kg	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	130	100 U	190	110
Vanadium	ug/kg	NA	2,410	1,370	6,860	2,390	4,250	1,680	4,010	5,200	5,020	5,950	5,350
Zinc	ug/kg	NA	4,200	4,100	13,600	3,200	7,700	2,500	8,000	116,000	23,900	27,500	41,000
Volatile Organics													
1,1,1-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	ug/kg	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/kg	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dibromoethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	ug/kg	3,000 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U
2-Hexanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
4-Methyl-2-pentanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Acetone	ug/kg	3,000 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U
Benzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromoform	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Disulfide	ug/kg	3,000 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Tetrachloride	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	ug/kg	50 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Chloroform	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloromethane	ug/kg	50 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
cis-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Cyclohexane	ug/kg	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	140	170	50 U
Dibromochloromethane	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	ug/kg	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	250	410 (GSIP)	50 U
Isopropylbenzene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	80	50 U
Methyl Acetate	ug/kg	NA	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Methyl cyclohexane	ug/kg	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	300	500	50 U

Notes:

NA- Not Analyzed

Shading indicates an exceedance of at least one criteria.

Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.

Data not validated.

U - Constituent not detected.

[] - Analytical results of duplicate samples.

TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW404S02 6 - 8 04/23/04	MW4-04SO3 0 - 2 05/07/04	MW4-04SO3 8 - 10 05/07/04	MW4-04SO4 0 - 2 05/07/04	MW4-04SO4 8 - 10 05/07/04	MW-04SO5 0 - 2 05/07/04	MW-04SO5 8 - 10 05/07/04	MW-04SO5 11 - 13 05/07/04	MW4-04SO6 0 - 2 05/07/04	MW4-04SO6 8 - 10 05/07/04	MW4-04SO6 10 - 11 05/07/04	MW4-04SO7 0 - 2 05/07/04
	Units												
Methyl tert-butyl ether	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Methylene Chloride	ug/kg	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Naphthalene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	440	600	50 U
p,m-Xylene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	1,100	1,800	50 U
p-Isopropyltoluene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
tert-Butylbenzene	ug/kg	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Toluene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	150	140	50 U
trans-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Trichlorofluoromethane	ug/kg	NA	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Vinyl Chloride	ug/kg	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Xylenes (total)	ug/kg	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	1,600 (GSIP)	2,400 (GSIP)	50 U
Semivolatile Organics													
1,1'-Biphenyl	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2,4,5-Trichlorophenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2,4-Dichlorophenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
2,4-Dinitrotoluene	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2-Chloronaphthalene	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2-Chlorophenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2-Methylnaphthalene	ug/kg	400 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2-Methylphenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
2-Nitroaniline	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
2-Nitrophenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
3,3'-Dichlorobenzidine	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
3-Nitroaniline	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
4,6-Dinitro-2-methylphenol	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
4-Bromophenyl-phenylether	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
4-Chloro-3-Methylphenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
4-Chloroaniline	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
4-Chlorophenyl-phenylether	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
4-Methylphenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
4-Nitroaniline	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
4-Nitrophenol	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
Acenaphthene	ug/kg	2,500	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Acenaphthylene	ug/kg	400 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U

Notes:
NA- Not Analyzed
Shading indicates an exceedance of at least one criteria.
Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.
Data not validated
U - Constituent not detected
[] - Analytical results of duplicate samples.

TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW404SO2 6 - 8 04/23/04	MW4-04SO3 0 - 2 05/07/04	MW4-04SO3 8 - 10 05/07/04	MW4-04SO4 0 - 2 05/07/04	MW4-04SO4 8 - 10 05/07/04	MW-04SO5 0 - 2 05/07/04	MW-04SO5 8 - 10 05/07/04	MW-04SO5 11 - 13 05/07/04	MW4-04SO6 0 - 2 05/07/04	MW4-04SO6 8 - 10 05/07/04	MW4-04SO6 10 - 11 05/07/04	MW4-04SO7 0 - 2 05/07/04
	Units												
Acetophenone	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Anthracene	ug/kg	5,400	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Atrazine	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Benzaldehyde	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Benzo(a)anthracene	ug/kg	11,000	330 U	330 U	330 U	330 U	330 U	330 U	330 U	600	7,000 U	330 U	700
Benzo(a)pyrene	ug/kg	11,000 (IDC,RDC)	330 U	330 U	330 U	330 U	330 U	330 U	330 U	640	7,000 U	330 U	730
Benzo(b)fluoranthene	ug/kg	14,000	330 U	330 U	330 U	330 U	330 U	330 U	330 U	990	7,000 U	330 U	1,100
Benzo(g,h,i)perylene	ug/kg	5,600	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Benzo(k)fluoranthene	ug/kg	6,900	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	390
bis(2-Chloroethoxy)methane	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
bis(2-Chloroethyl)ether	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
bis(2-Chloroisopropyl)ether	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Butylbenzylphthalate	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Caprolactam	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Carbazole	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Chrysene	ug/kg	10,000	330 U	330 U	330 U	330 U	330 U	330 U	330 U	640	7,000 U	330 U	690
Dibenzo(a,h)anthracene	ug/kg	500	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Dibenzofuran	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Diethylphthalate	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Dimethylphthalate	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Di-n-Butylphthalate	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Di-n-Octylphthalate	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Fluoranthene	ug/kg	28,000 (GSIP)	330 U	330 U	330 U	330 U	330 U	330 U	330 U	1,400	7,000 U	330 U	1,700
Fluorene	ug/kg	1,900	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Hexachlorobenzene	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Hexachlorobutadiene	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Hexachlorocyclopentadiene	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Hexachloroethane	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Indeno(1,2,3-cd)pyrene	ug/kg	6,300	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Isophorone	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Naphthalene	ug/kg	900 (GSIP)	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Nitrobenzene	ug/kg	NA	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	7,000 U	200 U	200 U
N-Nitroso-di-n-propylamine	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
N-Nitrosodiphenylamine	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
Pentachlorophenol	ug/kg	NA	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	7,000 U	700 U	700 U
Phenanthrene	ug/kg	18,000 (GSIP)	330 U	330 U	330 U	330 U	330 U	330 U	330 U	720	7,000 U	330 U	1,000
Phenol	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	560	7,000 U	330 U	330 U
Pyrene	ug/kg	23,000	330 U	330 U	330 U	330 U	330 U	330 U	330 U	1,100	7,000 U	330 U	1,400
Total Methylphenols	ug/kg	NA	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	7,000 U	330 U	330 U
PCBs													
Aroclor-1016	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ug/kg	330 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous													
Percent Solids	%	90	91	92	88	88	86	91	84	88	90	85	89

Notes:
NA- Not Analyzed
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Data not validated
U - Constituent not detected
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TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW4-04SO7 8 - 10 05/07/04	MW4-04SO7 10 - 12 05/07/04	MW4-04SO8 0 - 2 05/07/04	MW4-04SO8 8 - 10 05/07/04	MW4-04SO8 10 - 11 05/07/04	MW4-04SO9 0 - 2 05/07/04	MW4-04SO9 8 - 10 05/07/04	MW4-04SO10 0 - 2 05/07/04	MW4-04SO10 7 - 8 05/07/04	MW4-04SO10 8 - 10 05/07/04	MW4-04SO10 10 - 11 05/07/04
	Units											
Inorganics												
Antimony	ug/kg	500 U	500 U	500 U	500 U	500 U [500 U]	500 U	500 U	500 U	500 U	500 U	500 U
Arsenic	ug/kg	2,010	2,250	2,600	2,270	3,260 [3,580]	2,700	660	1,320	920	1,710	1,960
Barium	ug/kg	21,500	30,500	52,400	26,900	33,100 [43,500]	51,800	10,400	33,900	6,900	4,900	11,000
Beryllium	ug/kg	140	167	216	242	152 [154]	277	100 U	190	100 U	100 U	100 U
Cadmium	ug/kg	120	130	220	480	180 [200]	220	50.0 U	420	50.0 U	50.0 U	110
Chromium III	ug/kg	4,300	14,800	20,700	3,160	5,410 [9,860]	8,200	1,950	9,350	940	1,060	4,490
Cobalt	ug/kg	1,980	2,610	2,520	1,950	2,250 [2,410]	2,800	900	2,180	1,040	1,050	1,630
Copper	ug/kg	7,500	9,100	12,000	8,900	6,600 [7,700]	10,900	1,600	10,000	1,600	1,800	5,000
Lead	ug/kg	14,000	13,900	74,000	22,800	13,000 [19,000]	27,800	2,600	45,900	1,900	1,500	10,600
Manganese	ug/kg	197,000	189,000	562,000 (GSIP,IDWP,RDWP)	95,000	271,000 [320,000]	570,000 (GSIP,IDWP,RDWP)	91,200	340,000	72,300	115,000	178,000
Mercury	ug/kg	100 U	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U
Nickel	ug/kg	4,070	6,730	4,960	3,620	5,150 [6,280]	5,880	1,410	5,240	1,380	1,740	3,870
Selenium	ug/kg	210	200 U	200 U	200 U	200 U [300]	200 U	200 U	200 U	200 U	200 U	200 U
Silver	ug/kg	200 U	200 U	200 U	200 U	200 U [200 U]	200 U	200 U	200 U	200 U	200 U	200 U
Thallium	ug/kg	100 U	100 U	140	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U
Vanadium	ug/kg	4,890	6,300	6,660	6,610	4,660 [5,050]	4,740	1,990	4,570	1,740	1,960	3,390
Zinc	ug/kg	33,200	24,700	39,700	25,600	20,100 [26,900]	38,900	4,300	57,100	4,300	4,800	17,100
Volatile Organics												
1,1,1-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	100 U	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	ug/kg	100 U	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dibromoethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	ug/kg	800 U	800 U	800 U	800 U	800 U [800 U]	800 U	800 U	800 U	800 U	800 U	800 U
2-Hexanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
4-Methyl-2-pentanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Acetone	ug/kg	800 U	800 U	800 U	800 U	800 U [800 U]	800 U	800 U	800 U	800 U	800 U	800 U
Benzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Bromoform	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	ug/kg	300 U	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Disulfide	ug/kg	300 U	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Tetrachloride	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	ug/kg	300 U	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U
Chloroform	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Chloromethane	ug/kg	300 U	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U
cis-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Cyclohexane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Isopropylbenzene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Methyl Acetate	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Methyl cyclohexane	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U

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56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
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SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

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	Units											
Methyl tert-butyl ether	ug/kg	300 U	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U
Methylene Chloride	ug/kg	300 U	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U
Naphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
p,m-Xylene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
p-Isopropyltoluene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
tert-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Toluene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Trichlorofluoromethane	ug/kg	100 U	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U
Vinyl Chloride	ug/kg	100 U	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U
Xylenes (total)	ug/kg	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U
Semivolatile Organics												
1,1'-Biphenyl	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2,4,5-Trichlorophenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2,4,6-Trichlorophenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2,4-Dichlorophenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2,4-Dimethylphenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2,4-Dinitrophenol	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
2,4-Dinitrotoluene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2,6-Dinitrotoluene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2-Chloronaphthalene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2-Chlorophenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2-Methylnaphthalene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2-Methylphenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
2-Nitroaniline	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
2-Nitrophenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
3,3'-Dichlorobenzidine	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
3-Nitroaniline	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
4,6-Dinitro-2-methylphenol	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
4-Bromophenyl-phenylether	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
4-Chloro-3-Methylphenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
4-Chloroaniline	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
4-Chlorophenyl-phenylether	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
4-Methylphenol	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
4-Nitroaniline	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
4-Nitrophenol	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
Acenaphthene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Acenaphthylene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U

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TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW4-04SO7 8 - 10 05/07/04	MW4-04SO7 10 - 12 05/07/04	MW4-04SO8 0 - 2 05/07/04	MW4-04SO8 8 - 10 05/07/04	MW4-04SO8 10 - 11 05/07/04	MW4-04SO9 0 - 2 05/07/04	MW4-04SO9 8 - 10 05/07/04	MW4-04SO10 0 - 2 05/07/04	MW4-04SO10 7 - 8 05/07/04	MW4-04SO10 8 - 10 05/07/04	MW4-04SO10 10 - 11 05/07/04
Units												
Acetophenone	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Anthracene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	470	330 U	330 U	400 U
Atrazine	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Benzaldehyde	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Benzo(a)anthracene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	410	330 U	1,900	330 U	330 U	400 U
Benzo(a)pyrene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	430	330 U	2,600 (RDC)	330 U	330 U	400 U
Benzo(b)fluoranthene	ug/kg	3,000 U	2,000 U	700	330 U	1,000 U [330 U]	670	330 U	4,400	330 U	330 U	400 U
Benzo(g,h,i)perylene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	740	330 U	330 U	400 U
Benzo(k)fluoranthene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	1,100	330 U	330 U	400 U
bis(2-Chloroethoxy)methane	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
bis(2-Chloroethyl)ether	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
bis(2-Chloroisopropyl)ether	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
bis(2-Ethylhexyl)phthalate	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Butylbenzylphthalate	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Caprolactam	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Carbazole	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Chrysene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	420	330 U	2,100	330 U	330 U	400 U
Dibenzo(a,h)anthracene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Dibenzofuran	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Diethylphthalate	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Dimethylphthalate	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Di-n-Butylphthalate	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Di-n-Octylphthalate	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Fluoranthene	ug/kg	3,000	2,000 U	1,000	330 U	1,000 U [330 U]	950	330 U	7,700 (GSIP)	330 U	330 U	400 U
Fluorene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Hexachlorobenzene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Hexachlorobutadiene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Hexachlorocyclopentadiene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Hexachloroethane	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Indeno(1,2,3-cd)pyrene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	740	330 U	330 U	400 U
Isophorone	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Naphthalene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Nitrobenzene	ug/kg	3,000 U	2,000 U	600 U	200 U	1,000 U [200 U]	200 U	200 U	200 U	200 U	200 U	400 U
N-Nitroso-di-n-propylamine	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
N-Nitrosodiphenylamine	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
Pentachlorophenol	ug/kg	3,000 U	2,000 U	600 U	700 U	1,000 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U
Phenanthrene	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	500	330 U	1,600	330 U	330 U	400 U
Phenol	ug/kg	3,000 U	2,000 U	1,300	330 U	1,000 U [330 U]	330 U	330 U	360	330 U	330 U	400 U
Pyrene	ug/kg	3,000 U	2,000 U	800	330 U	1,000 U [330 U]	810	330 U	4,900	330 U	330 U	400 U
Total Methylphenols	ug/kg	3,000 U	2,000 U	600 U	330 U	1,000 U [330 U]	330 U	330 U	330 U	330 U	330 U	400 U
PCBs												
Aroclor-1016	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous												
Percent Solids	%	86	86	89	85	87 [90]	91	87	91	95	95	84

Notes:

NA- Not Analyzed

Shading indicates an exceedance of at least one criteria.

Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.

Data not validated

U - Constituent not detected

[] - Analytical results of duplicate samples.

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GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW4-04SO12 0 - 2 05/07/04	MW4-04SO12 7 - 8 05/07/04	MW4-04SO12 8 - 10 05/07/04	MW4-04SO12 10 - 11 05/07/04	MW4-04SO14 0 - 2 05/07/04	MW4-04SO14 8 - 10 05/07/04	MW4-04SO14 10 - 12 05/07/04	MW4-04SO15 0 - 2 05/07/04	MW4-04SO15 5 - 7 05/07/04	MW4-04SO15 8 - 10 05/07/04	MW4-04SO15 10 - 12 05/07/04	MW4-04SO17 0 - 2 05/07/04	MW4-04SO17 8 - 10 05/07/04	MW4-04SO17 11 - 13 05/07/04
Inorganics															
Antimony	ug/kg	500 U	500 U	500 U	500 U [500 U]	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Arsenic	ug/kg	1,640	880	1,010	1,040 [1,200]	2,050	560	840	1,900	840	1,240	1,320	1,210	790	800
Barium	ug/kg	40,700	7,800	7,800	7,500 [10,700]	40,900	3,800	4,400	59,900	5,800	10,700	3,700	27,200	9,100	10,000
Beryllium	ug/kg	219	100 U	100 U	100 U [100 U]	306	100 U	100 U	190	100 U	100 U	100 U	166	100 U	100 U
Cadmium	ug/kg	360	60.0	50.0	50.0 [80.0]	280	70.0	50.0 U	380	60.0	60.0	60.0	120	70.0	60.0
Chromium III	ug/kg	10,700	1,300	1,290	1,720 [2,010]	8,010	1,190	960	18,800	910	1,340	1,760	4,890	1,280	1,310
Cobalt	ug/kg	2,710	1,410	1,530	1,400 [1,600]	2,890	1,130	980	2,850	1,490	1,460	1,000	2,440	1,190	1,150
Copper	ug/kg	10,900	1,700	1,800	1,800 [2,600]	10,000	1,000	1,500	30,600	1,100	1,400	3,000	3,400	1,500	1,600
Lead	ug/kg	64,300	2,200	2,300	2,400 [5,600]	38,000	1,900	1,800	110,000	2,300	1,800	2,200	21,200	2,500	2,700
Manganese	ug/kg	339,000	146,000	143,000	132,000 [147,000]	281,000	101,000	95,000	308,000	132,000	177,000	98,000	162,000	114,000	111,000
Mercury	ug/kg	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Nickel	ug/kg	5,190	2,120	2,290	2,050 [2,600]	6,090	2,070	1,540	9,200	2,490	2,430	2,380	3,230	1,630	1,590
Selenium	ug/kg	200 U	200 U	200 U	200 U [200 U]	200 U	200 U	200 U	200 U	200 U	200 U	220	200 U	200 U	200 U
Silver	ug/kg	200 U	200 U	200 U	200 U [200 U]	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Thallium	ug/kg	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	140	100 U	100 U	100 U	100 U	100 U	100 U
Vanadium	ug/kg	5,280	2,360	2,360	2,240 [2,770]	6,000	1,520	2,020	4,440	2,120	2,210	2,150	4,360	2,010	2,090
Zinc	ug/kg	56,100	5,600	5,500	5,700 [10,800]	43,200	3,600	5,700	81,500	4,100	4,900	11,400	11,100	4,500	5,300
Volatile Organics															
1,1,1-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	ug/kg	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dibromoethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloropropane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone	ug/kg	800 U	800 U	800 U	800 U [800 U]	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U
2-Hexanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
4-Methyl-2-pentanone	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Acetone	ug/kg	800 U	800 U	800 U	800 U [800 U]	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U	800 U
Benzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromoform	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Bromomethane	ug/kg	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Disulfide	ug/kg	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Carbon Tetrachloride	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	ug/kg	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Chloroform	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chloromethane	ug/kg	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
cis-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
cis-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Cyclohexane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibromochloromethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Ethylbenzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Isopropylbenzene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl Acetate	ug/kg	3,000 U	3,000 U	3,000 U	3,000 U [3,000 U]	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U	3,000 U
Methyl cyclohexane	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

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	Units														
Methyl tert-butyl ether	ug/kg	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Methylene Chloride	ug/kg	300 U	300 U	300 U	300 U [300 U]	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
Naphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
p,m-Xylene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
p-Isopropyltoluene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
tert-Butylbenzene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Toluene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,2-Dichloroethene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,3-Dichloropropene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Trichloroethene	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Trichlorofluoromethane	ug/kg	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Vinyl Chloride	ug/kg	100 U	100 U	100 U	100 U [100 U]	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Xylenes (total)	ug/kg	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Semivolatile Organics															
1,1'-Biphenyl	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Chloronaphthalene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Methylnaphthalene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
3,3'-Dichlorobenzidine	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
3-Nitroaniline	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
4,6-Dinitro-2-methylphenol	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
4-Bromophenyl-phenylether	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chloro-3-Methylphenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chloroaniline	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
4-Chlorophenyl-phenylether	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
4-Nitrophenol	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
Acenaphthene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Acenaphthylene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U

Notes:
NA- Not Analyzed
Shading indicates an exceedance of at least one criteria.
Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.
Data not validated
U - Constituent not detected
[] - Analytical results of duplicate samples.

TABLE 4
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF SOIL ANALYTICAL DATA - 2003/2004

Sample ID: Sample Depth(ft): Date Collected:		MW4-04SO12 0 - 2 05/07/04	MW4-04SO12 7 - 8 05/07/04	MW4-04SO12 8 - 10 05/07/04	MW4-04SO12 10 - 11 05/07/04	MW4-04SO14 0 - 2 05/07/04	MW4-04SO14 8 - 10 05/07/04	MW4-04SO14 10 - 12 05/07/04	MW4-04SO15 0 - 2 05/07/04	MW4-04SO15 5 - 7 05/07/04	MW4-04SO15 8 - 10 05/07/04	MW4-04SO15 10 - 12 05/07/04	MW4-04SO17 0 - 2 05/07/04	MW4-04SO17 8 - 10 05/07/04	MW4-04SO17 11 - 13 05/07/04
	Units														
Acetophenone	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Anthracene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Atrazine	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Benzaldehyde	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Benzo(a)anthracene	ug/kg	550	330 U	330 U	330 U [330 U]	380	330 U	330 U	360	330 U	330 U	330 U	330 U	330 U	330 U
Benzo(a)pyrene	ug/kg	620	330 U	330 U	330 U [330 U]	450	330 U	330 U	370	330 U	330 U	330 U	330 U	330 U	330 U
Benzo(b)fluoranthene	ug/kg	1,000	330 U	330 U	330 U [330 U]	820	330 U	330 U	570	330 U	330 U	330 U	330 U	330 U	330 U
Benzo(g,h,i)perylene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Benzo(k)fluoranthene	ug/kg	400	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis(2-Chloroethyl)ether	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis(2-Chloroisopropyl)ether	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Carbazole	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Chrysene	ug/kg	560	330 U	330 U	330 U [330 U]	450	330 U	330 U	360	330 U	330 U	330 U	330 U	330 U	330 U
Dibenzo(a,h)anthracene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Diethylphthalate	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dimethylphthalate	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Di-n-Butylphthalate	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Di-n-Octylphthalate	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Fluoranthene	ug/kg	1,300	330 U	330 U	330 U [330 U]	890	330 U	330 U	760	330 U	330 U	330 U	330 U	330 U	330 U
Fluorene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorobutadiene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorocyclopentadiene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Indeno(1,2,3-cd)pyrene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Isophorone	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Naphthalene	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Nitrobenzene	ug/kg	200 U	200 U	200 U	200 U [200 U]	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
N-Nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	700 U	700 U	700 U	700 U [700 U]	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U	700 U
Phenanthrene	ug/kg	740	330 U	330 U	330 U [330 U]	410	330 U	330 U	600	330 U	330 U	330 U	330 U	330 U	330 U
Phenol	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Pyrene	ug/kg	1,100	330 U	330 U	330 U [330 U]	780	330 U	330 U	720	330 U	330 U	330 U	330 U	330 U	330 U
Total Methylphenols	ug/kg	330 U	330 U	330 U	330 U [330 U]	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
PCBs															
Aroclor-1016	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Solids	%	88	94	92	90 [89]	90	93	85	89	92	91	87	90	91	87

Notes:

NA- Not Analyzed

Shading indicates an exceedance of at least one criteria.

Please refer to Table 5 for applicable MDEQ Part 201 Cleanup Criteria.

Data not validated

U - Constituent not detected

[] - Analytical results of duplicate samples.

TABLE 5
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Soil Criteria

	Statewide Default Background Levels	Residential and Commercial I Criteria				Industrial and Commercial II, III, and IV Criteria									
		Drinking Water Protection Criteria (ug/kg)	Water Interface Protection Criteria (ug/kg)	Groundwater Surface Direct Contact Criteria (ug/kg)		Commercial Drinking Water Protection Criteria (ug/kg)	Water Interface Protection Criteria (ug/kg)	Industrial and Commercial II Direct Contact Criteria (ug/kg)		Commercial IV Direct Contact Criteria (ug/kg)					
Inorganics															
Antimony	NA	4,300		94,000		180,000		4,300		94,000		670,000		700,000	
Arsenic	5,800	23,000		70,000	(X)	7,600		23,000		70,000	(X)	37,000		41,000	
Barium	75,000	1,300,000	(B)	858,000	(B,G,X)	37,000,000	(B)	1,300,000	(B)	858,000	(B,G,X)	130,000,000	(B)	140,000,000	(B)
Beryllium	NA	51,000		408,000	(G)	410,000		51,000		408,000	(G)	1,600,000		1,600,000	
Cadmium	1,200	6,000	(B)	5,740	(B,G,X)	550,000	(B)	6,000	(B)	5,740	(B,G,X)	2,100,000	(B)	2,100,000	(B)
Chromium III (B,H)	18,000	1,000,000,000	(B,H,D)	4,960,000,000	(B,H,G,X)	790,000,000	(B,H)	1,000,000,000	B,H,D	4,960,000,000	(B,H,G,X)	1,000,000,000	(B,H,D)	1,000,000,000	(B,H,D)
Cobalt	6,800	800		2,000		2,600,000		2,000		2,000		9,000,000		10,000,000	
Copper	32,000	5,800,000	(B)	124,000	(B,G)	20,000,000	(B)	5,800,000	(B)	124,000	(B,G)	73,000,000	(B)	76,000,000	(B)
Lead	21,000	700,000	(B)	5,450,000	(B,G,X)	400,000	(B)	700,000	(B)	5,450,000	(B,G,X)	900,000	(B,DD)	400,000	(B)
Manganese (B)	440,000	1,000		72,000	(G,X)	25,000,000	(B)	1,000		72,000	(G,X)	90,000,000	(B)	94,000,000	(B)
Mercury	130	1,700	(B,Z)	50	(M)	160,000	(B,Z)	1,700	(B,Z)	50	(M)	580,000	(B,Z)	600,000	(B,Z)
Nickel (B)	20,000	100,000	(B)	129,000	(B,G)	40,000,000	(B)	100,000	(B)	129,000	(B,G)	150,000,000	(B)	150,000,000	(B)
Selenium (B)	410	4,000	(B)	400		2,600,000	(B)	4,000	(B)	400		9,600,000	(B)	10,000,000	(B)
Silver	1,000	4,500	(B)	100	(M)	2,500,000	(B)	13,000	(B)	100	(M)	9,000,000	(B)	9,400,000	(B)
Thallium (B)	NA	2,300	(B)	4,200	(B,X)	35,000	(B)	2,300	(B)	4,200	(B,X)	130,000	(B)	130,000	(B)
Vanadium	NA	72,000		190,000		750,000	(DD)	990,000		190,000		5,500,000	(DD)	5,900,000	(DD)
Zinc	47,000	2,400,000	(B)	280,000	(B,G)	170,000,000	(B)	5,000,000	(B)	280,000	(B,G)	630,000,000	(B)	660,000,000	(B)
VOC															
1,1,1-Trichloroethane	NA	4,000		4,000		460,000	(C)	4,000		4,000		460,000	(C)	460,000	(C)
1,1,2,2-Tetrachloroethane	NA	170		1,600	(X)	53,000		700		1,600	(X)	240,000		290,000	
1,1,2-trichloro-1,2,2-trifluoroethane	NA	550,000	(C)	1,700		550,000	(C)	550,000	(C)	1,700		550,000	(C)	550,000	(C)
1,1,2-Trichloroethane	NA	100		6,600	(X)	180,000		100		6,600	(X)	840,000		920,000	(C)
1,1-Dichloroethane	NA	18,000		15,000		890,000	(C)	50,000		15,000		890,000	(C)	890,000	(C)
1,1-Dichloroethene	NA	140	(I)	1,300	(I,X)	200,000	(I)	140	(I)	1,300	(I,X)	570,000	(I,C)	570,000	(I,C)
1,2,4-Trichlorobenzene	NA	4,200		1,800		990,000	(DD)	4,200		1,800		1,100,000	(C,DD)	1,100,000	(C,DD)
1,2,4-Trimethylbenzene	NA	2,100	(I)	570	(I)	110,000	(I,C)	2,100	(I)	570	(I)	110,000	(I,C)	110,000	(I,C)
1,2-Dibromo-3-chloropropane	NA	10	(M)	{NA}		1,200	(C)	10	(M)	{NA}		1,200	(C)	1,200	(C)
1,2-Dibromoethane	NA	20	(M)	20	(M)	92		20	(M)	20	(M)	430		500	
1,2-Dichlorobenzene	NA	14,000		360		210,000	(C)	14,000		360		210,000	(C)	210,000	(C)
1,2-Dichloroethane	NA	100	(I)	7,200	(I,X)	91,000	(I)	100	(I)	7,200	(I,X)	420,000	(I)	490,000	(I)
1,2-Dichloropropane	NA	100	(I)	5,800	(I,X)	140,000	(I)	100	(I)	5,800	(I,X)	550,000	(I,C)	550,000	(I,C)
1,3,5-Trimethylbenzene	NA	1,800	(I)	1,100	(I)	94,000	(I,C)	1,800	(I)	1,100	(I)	94,000	(I,C)	94,000	(I,C)
1,3-Dichlorobenzene	NA	170		1,100		170,000	(C)	480		1,100		170,000	(C)	170,000	(C)
1,4-Dichlorobenzene	NA	1,700		290		400,000		1,700		290		1,900,000		2,200,000	
2-Butanone	NA	260,000	(I)	44,000	(I)	27,000,000	(I,C,DD)	760,000	(I)	44,000	(I)	27,000,000	(I,C,DD)	27,000,000	(I,C,DD)
2-Hexanone	NA	20,000		{NA}		2,500,000	(C)	58,000		{NA}		2,500,000	(C)	2,500,000	(C)
4-Methyl-2-pentanone	NA	36,000	(I)	{ID}		2,700,000	(I,C)	100,000	(I)	{ID}		2,700,000	(I,C)	2,700,000	(I,C)
Acetone	NA	15,000	(I)	34,000	(I)	23,000,000	(I)	42,000	(I)	34,000	(I)	73,000,000	(I)	86,000,000	(I)
Benzene	NA	100	(I)	4,000	(I,X)	180,000	(I)	100	(I)	4,000	(I,X)	400,000	(I,C)	400,000	(I,C)
Bromodichloromethane	NA	1,600	(W)	{ID}		110,000		1,600	(W)	{ID}		490,000		570,000	
Bromoform	NA	1,600	(W)	{ID}		820,000		1,600	(W)	{ID}		870,000	(C)	870,000	(C)
Bromomethane	NA	200		700		320,000		580		700		1,000,000		1,200,000	
Carbon Disulfide	NA	16,000	(I,R)	{ID}		280,000	(I,R,C,DD)	46,000	(I,R)	{ID}		280,000	(I,R,C,DD)	280,000	(I,R,C,DD)
VOCs cont'd															
Carbon Tetrachloride	NA	100		900	(X)	96,000		100		900	(X)	390,000	(C)	390,000	(C)
Chlorobenzene	NA	2,000	(I)	940	(I)	260,000	(I,C)	2,000	(I)	940	(I)	260,000	(I,C)	260,000	(I,C)
Chloroethane	NA	8,600		{ID}		950,000	(C)	34,000		{ID}		950,000	(C)	950,000	(C)
Chloroform	NA	1,600	(W)	3,400	(X)	1,200,000		1,600	(W)	3,400	(X)	1,500,000	(C)	1,500,000	(C)

TABLE 5
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Soil Criteria

	Statewide Default Background Levels	Residential and Commercial I Criteria						Industrial and Commercial II, III, and IV Criteria							
		Drinking Water Protection Criteria (ug/kg)		Groundwater/ Surface Water Interface Protection Criteria (ug/kg)		Direct Contact Criteria (ug/kg)		Industrial and Commercial Drinking Water Protection Criteria (ug/kg)		Groundwater/ Surface Water Interface Protection Criteria (ug/kg)		Industrial and Commercial II Direct Contact Criteria (ug/kg)		Commercial IV Direct Contact Criteria (ug/kg)	
Chloromethane	NA	5,200	(I)	(ID)		1,100,000	(I,C)	22,000	(I)	(ID)		1,100,000	(I,C)	1,100,000	(I,C)
cis-1,2-Dichloroethene	NA	1,400			12,000		(C)	1,400		12,000		640,000	(C)	640,000	(C)
cis-1,3-Dichloropropene	NA	NA		NA		NA		NA		NA		NA		NA	
Cyclohexane	NA	NA		NA		NA		NA		NA		NA		NA	
Dibromochloromethane	NA	1,600	(W)	(ID)		110,000		1,600	(W)	(ID)		500,000		580,000	
Dichlorodifluoromethane	NA	95,000		(ID)		1,000,000	(C)	270,000		(ID)		1,000,000	(C)	1,000,000	(C)
Ethylbenzene	NA	1,500	(I)	360	(I)	140,000	(I,C)	1,500	(I)	360	(I)	140,000	(I,C)	140,000	(I,C)
Isopropylbenzene	NA	91,000		(ID)		390,000	(C)	260,000		(ID)		390,000	(C)	390,000	(C)
Methyl Acetate	NA	NA		NA		NA		NA		NA		NA		NA	
Methyl cyclohexane	NA	NA		NA		NA		NA		NA		NA		NA	
Methyl tert-butyl ether	NA	800		15,000	(X)	1,500,000		800		15,000	(X)	5,900,000	(C)	5,900,000	(C)
Methylene Chloride	NA	100		19,000	(X)	1,300,000		100		19,000	(X)	2,300,000	(C)	2,300,000	(C)
Naphthalene	NA	35,000		870		16,000,000		100,000		870		52,000,000		61,000,000	
n-Butylbenzene	NA	1,600		(ID)		2,500,000		4,600		(ID)		8,000,000		9,400,000	
n-Propylbenzene	NA	1,600	(I)	(NA)		2,500,000	(I)	4,600	(I)	(NA)		8,000,000	(I)	9,400,000	(I)
o-Xylene	NA	NA		NA		NA		NA		NA		NA		NA	
p,m-Xylene	NA	NA		NA		NA		NA		NA		NA		NA	
p-Isopropyltoluene	NA	NA		NA		NA		NA		NA		NA		NA	
sec-Butylbenzene	NA	1,600		(ID)		2,500,000		4,600		(ID)		8,000,000		9,400,000	
Styrene	NA	2,700		2,200		400,000		2,700		2,200		520,000	(C)	520,000	(C)
tert-Butylbenzene	NA	1,600	(I)	(NA)		2,500,000	(I)	4,600	(I)	(NA)		8,000,000	(I)	9,400,000	(I)
Tetrachloroethene	NA	100		900	(X)	88,000	(C)	100		900	(X)	88,000	(C)	88,000	(C)
Toluene	NA	16,000	(I)	2,800	(I)	250,000	(I,C)	16,000	(I)	2,800	(I)	250,000	(I,C)	250,000	(I,C)
trans-1,2-Dichloroethene	NA	2,000		30,000		1,400,000	(C)	2,000		30,000		1,400,000	(C)	1,400,000	(C)
trans-1,3-Dichloropropene	NA	NA		NA		NA		NA		NA		NA		NA	
Trichloroethene	NA	100		4,000	(X)	500,000	(C,DD)	100		4,000	(X)	500,000	(C,DD)	500,000	(C,DD)
Trichlorofluoromethane	NA	52,000		(NA)		560,000	(C)	150,000		(NA)		560,000	(C)	560,000	(C)
Vinyl Chloride	NA	40		300		3,800		40		300		34,000		40,000	
Xylenes (total)	NA	5,600	(I)	700	(I)	150,000	(I,C)	5,600	(I)	700	(I)	150,000	(I,C)	150,000	(I,C)
SVOC															
1,1'-Biphenyl	NA	NA		NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	NA	39,000		(NA)		23,000,000		110,000		(NA)		73,000,000		86,000,000	
2,4,6-Trichlorophenol	NA	2,400		330	(M)	710,000		9,400		330	(M)	3,300,000		3,900,000	
2,4-Dichlorophenol	NA	1,500		380		660,000	(DD)	4,200		380		1,800,000	(C,DD)	1,800,000	(C,DD)
2,4-Dimethylphenol	NA	7,400		7,600		11,000,000		20,000		7,600		36,000,000		43,000,000	
2,4-Dinitrophenol	NA	NA		NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	NA	430		(NA)		48,000		640		(NA)		220,000		260,000	
2,6-Dinitrotoluene	NA	NA	(C)	NA		NA		NA		NA		NA		NA	

TABLE 5
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Soil Criteria

	Statewide Default Background Levels	Residential and Commercial I Criteria				Industrial and Commercial II, III, and IV Criteria									
		Groundwater Surface				Industrial and Commercial Drinking Water Protection Criteria		Groundwater Surface		Industrial and Commercial II Direct Contact Criteria		Commercial IV Direct Contact Criteria			
		Drinking Water Protection Criteria (ug/kg)	Water Interface Protection Criteria (ug/kg)	Direct Contact Criteria (ug/kg)		Water Protection Criteria (ug/kg)		Water Interface Protection Criteria (ug/kg)	Direct Contact Criteria (ug/kg)		Direct Contact Criteria (ug/kg)				
SVOCs cont'd															
2-Chloronaphthalene	NA	620,000		(NA)	56,000,000		1,800,000		(NA)		180,000,000		210,000,000		
2-Chlorophenol	NA	900		440	1,400,000		2,600		440		4,500,000		5,300,000		
2-Methylnaphthalene	NA	57,000		(ID)	8,100,000		170,000		(ID)		26,000,000		31,000,000		
2-Methylphenol	NA	NA		NA	NA		NA		NA		NA		NA		
2-Nitroaniline	NA	NA		NA	NA		NA		NA		NA		NA		
2-Nitrophenol	NA	400		(ID)	630,000		1,200		(ID)		2,000,000		2,400,000		
3,3'-Dichlorobenzidine	NA	2,000	(M)	2,000	(M,X)	6,600	2,000	(M)	2,000	(M,X)	30,000		36,000		
3-Nitroaniline	NA	NA		NA	NA		NA		NA		NA		NA		
4,6-Dinitro-2-methylphenol	NA	830	(M)	(NA)	79,000		830	(M)	(NA)		260,000		300,000		
4-Bromophenyl-phenylether	NA	NA		NA	NA		NA		NA		NA		NA		
4-Chloro-3-Methylphenol	NA	5,800		280	4,500,000		16,000		280		15,000,000		17,000,000		
4-Chloroaniline	NA	NA		NA	NA		NA		NA		NA		NA		
4-Chlorophenyl-phenylether	NA	NA		NA	NA		NA		NA		NA		NA		
4-Methylphenol	NA	NA		NA	NA		NA		NA		NA		NA		
4-Nitroaniline	NA	NA		NA	NA		NA		NA		NA		NA		
4-Nitrophenol	NA	NA		NA	NA		NA		NA		NA		NA		
Acenaphthene	NA	300,000		4,400	41,000,000		880,000		4,400		130,000,000		150,000,000		
Acenaphthylene	NA	5,900		(ID)	1,600,000		17,000		(ID)		5,200,000		6,100,000		
Acetophenone	NA	30,000		(NA)	1,100,000	(C)	88,000		(NA)		1,100,000	(C)	1,100,000	(C)	
Anthracene	NA	41,000		(ID)	230,000,000		41,000		(ID)		730,000,000		860,000,000		
Atrazine	NA	60		150	(X)	71,000	(DD)	60	150	(X)	330,000	(DD)	390,000	(DD)	
Benzaldehyde	NA	NA		NA	NA		NA		NA		NA		--		
Benzo(a)anthracene	NA	(NLL)		(NLL)	20,000	(Q)	(NLL)		(NLL)		80,000	(Q)	110,000	(Q)	
Benzo(a)pyrene	NA	(NLL)		(NLL)	2,000	(Q)	(NLL)		(NLL)		8,000	(Q)	11,000	(Q)	
Benzo(b)fluoranthene	NA	(NLL)		(NLL)	20,000	(Q)	(NLL)		(NLL)		80,000	(Q)	110,000	(Q)	
Benzo(g,h,i)perylene	NA	(NLL)		(NLL)	2,500,000		(NLL)		(NLL)		7,000,000		9,500,000		
Benzo(k)fluoranthene	NA	(NLL)		(NLL)	200,000	(Q)	(NLL)		(NLL)		800,000	(Q)	1,100,000	(Q)	
bis(2-Chloroethoxy)methane	NA	NA		NA	NA		NA		NA		NA		--		
bis(2-Chloroethyl)ether	NA	100	(I)	300	(I)	13,000	(I)	170	(I)	300	(I)	58,000	(I)	68,000	(I)
bis(2-Chloroisopropyl)ether	NA	NA		NA	NA		NA		NA		NA		--		
bis(2-Ethylhexyl)phthalate	NA	(NLL)		(NLL)	2,800,000		(NLL)		(NLL)		10,000,000	(C)	10,000,000	(C)	
Butylbenzylphthalate	NA	310,000	(C)	26,000	(X)	310,000	(C)	310,000	(C)	26,000	(X)	310,000	(C)	310,000	(C)
Caprolactam	NA	120,000		(NA)	53,000,000	(DD)	340,000		(NA)		310,000,000	(I,DD)	380,000,000	(DD)	
Carbazole	NA	9,400		1,100	530,000		39,000		1,100		2,400,000		2,900,000		
Chrysene	NA	(NLL)		(NLL)	2,000,000	(Q)	(NLL)		(NLL)		8,000,000	(Q)	11,000,000	(Q)	
Dibenzo(a,h)anthracene	NA	(NLL)		(NLL)	2,000	(Q)	(NLL)		(NLL)		8,000	(Q)	11,000	(Q)	
Dibenzofuran	NA	(ID)		1,700	(ID)		(ID)		1,700		(ID)		(ID)		
Diethylphthalate	NA	110,000		2,200	740,000	(C)	320,000		2,200		740,000	(C)	740,000	(C)	

**TABLE 5
GENERAL MOTORS CORPORATION**

**SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Soil Criteria**

	Statewide Default Background Levels	Residential and Commercial I Criteria						Industrial and Commercial II, III, and IV Criteria					
		Drinking Water Protection Criteria (ug/kg)	Groundwater/ Surface Water Interface Protection Criteria (ug/kg)	Direct Contact Criteria (ug/kg)		Industrial and Commercial Drinking Water Protection Criteria (ug/kg)	Groundwater/ Surface Water Interface Protection Criteria (ug/kg)	Industrial and Commercial II Direct Contact Criteria (ug/kg)		Commercial IV Direct Contact Criteria (ug/kg)			
Dimethylphthalate	NA	790,000 (C)	(NA)		790,000 (C)	790,000 (C)	(NA)		790,000 (C)		790,000 (C)		
Di-n-Butylphthalate	NA	760,000 (C)	11,000		760,000 (C)	760,000 (C)	11,000		760,000 (C)		760,000 (C)		
Di-n-Octylphthalate	NA	100,000,000	(ID)		6,900,000	140,000,000 (C)	(ID)		20,000,000		26,000,000		
Fluoranthene	NA	730,000	5,500		46,000,000	730,000	5,500		130,000,000		170,000,000		
Fluorene	NA	390,000	5,300		27,000,000	890,000	5,300		87,000,000		100,000,000		
Hexachlorobenzene	NA	1,800	350		8,900	1,800	350		37,000		49,000		
Hexachlorobutadiene	NA	26,000	91		100,000	72,000	91		350,000 (C)		350,000 (C)		
Hexachlorocyclopentadiene	NA	320,000	(ID)		720,000 (C)	320,000	(ID)		720,000 (C)		720,000 (C)		
Hexachloroethane	NA	430	1,800 (X)		230,000	1,200	1,800 (X)		730,000		860,000		
Indeno(1,2,3-cd)pyrene	NA	(NLL)	(NLL)		20,000 (Q)	(NLL)	(NLL)		80,000 (Q)		110,000 (Q)		
Isophorone	NA	15,000	11,000 (X)		2,400,000 (C)	62,000	11,000 (X)		2,400,000 (C)		2,400,000 (C)		
Naphthalene	NA	35,000	870 (X)		16,000,000	100,000	870 (X)		52,000,000		61,000,000		
Nitrobenzene	NA	330 (LM)	3,600 (LX)		100,000 (I)	330 (LM)	3,600 (LX)		340,000 (I)		390,000 (I)		
N-Nitroso-di-n-propylamine	NA	330 (M)	(NA)		1,200	330 (M)	(NA)		5,400		6,400		
N-Nitrosodiphenylamine	NA	5,400	(NA)		1,700,000	22,000	(NA)		7,800,000		9,200,000		
Pentachlorophenol	NA	22	26,500 (G,X)		90,000	22	26,500 (G,X)		320,000		490,000		
Phenanthrene	NA	56,000	5,300		1,600,000	160,000	5,300		5,200,000		6,100,000		
Phenol	NA	88,000	4,200		12,000,000 (C,DD)	260,000	4,200		12,000,000 (C,DD)		12,000,000 (C,DD)		
Pyrene	NA	480,000	(ID)		29,000,000	480,000	(ID)		84,000,000		110,000,000		
Total Methylphenols	NA	7,400 (J)	1,400 (J)		11,000,000 (J)	20,000 (J)	1,400 (J)		36,000,000 (J)		43,000,000 (J)		
PCBs													
PCB-1016	NA	NA	NA		NA	NA	NA		NA		NA		
PCB-1221	NA	NA	NA		NA	NA	NA		NA		NA		
PCB-1232	NA	NA	NA		NA	NA	NA		NA		NA		
PCB-1242	NA	NA	NA		NA	NA	NA		NA		NA		
PCB-1248	NA	NA	NA		NA	NA	NA		NA		NA		
PCB-1254	NA	NA	NA		NA	NA	NA		NA		NA		
PCB-1260	NA	NA	NA		NA	NA	NA		NA		NA		
PCB, Total	NA	NLL	NLL		4,000 (J,T)	NLL	NLL		16,000 (J,T)		22,000 (J,T)		

Notes:

1. NA - Not applicable - no criteria established.
 2. ID - Inadequate data to develop criterion.
 3. NLL - Hazardous substance is not likely to leach under most soil conditions.
 4. Hardness value dependent GSI calculations used a value of 280 ppm (conversation with MDEQ (Cooper, 12/8/03)) which is representative of Flint River.
pH dependent GSI calculations used a value of 6.93 s.u. which was recorded at TW-1 at time of sampling.
 5. MDEQ Part 201 Criteria taken from Michigan DEQ Act 451, Part 201, Operational Memorandum 18.
* MDEQ Part 201 Criteria are for Total Xylenes.
- Footnotes for MDEQ Criteria are defined in Table 8.

TABLE FOOTNOTES

General Footnotes

Shaded cells in the tables indicate analyte concentration in excess of one or more applicable

Michigan Department of Environmental Quality - Part 201 Generic Cleanup
Criteria (December 10, 2004)

[] Analytical results of duplicate samples

NA Not sampled or not analyzed.

ND [0.3] Compound not detected. Reporting limit stated in brackets.

B For inorganic analytes the result represents an estimated sample result less the
Practical Quantitation Limit (PQL) but greater than the Method Detection Limit
(MDL).

For organic constituents the "B" qualifier represents blank contamination.
D Sample result was from a diluted sample.

J The compound was positively identified; however, the associated numerical
value is an estimated concentration only.

R Sample result was rejected.

mg/kg Milligram per kilogram

µg/L Micrograms per liter

Cleanup Criteria Pathway Designations

Groundwater

GCC – Groundwater Contact Criteria

GSI - Groundwater/Surface Water Interface Criteria

IDW – Industrial & Commercial II, III & IV Drinking Water Criteria

IGVIA – Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Criteria

RDW – Residential & Commercial I Drinking Water Criteria

Soil

GCPC – Groundwater Contact Protection Criteria

GSIP – Groundwater/Surface Water Interface Protection Criteria

IDC – Generic Industrial Direct Contact

IDWP – Industrial & Commercial Drinking Water Protection Criteria

IPSIC – Industrial & Commercial II, III, & IV Particulate Soil Inhalation Criteria

ISVIA – Industrial & Commercial II, III, & IV Soil Volatilization to Indoor Air Inhalation Criteria

IVSICI – Industrial & Commercial II, III, & IV Infinite Source Volatile Soil Inhalation Criteria

Cleanup Criteria Footnotes

{A} Criterion is the State of Michigan Drinking Water Standard established pursuant to
Section 5 of 1976 PA 399, MCL 325.1005.

- {B} Background, as defined in R299-5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.
- {C} Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat} . Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
- {D} Calculated criterion exceeds 100%, hence it is reduced to 100% (i.e., 1.0E+9 µg/l or 1.0E+06 mg/l).
- {E} Criterion is the aesthetic drinking water value, as required by section 20120a(5) of the act.
- {G} Groundwater Surface Water Interface Protection Criteria were calculated based on a hardness of ... mg/L for the Flint River.
- {H} Valence-specific chromium data (Cr^{+3} and Cr^{+6}) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr^{+3} and Cr^{+6} are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided to total chromium only, they shall be compared to the cleanup criteria for Cr^{+6} . Cr^{+3} soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.
- {I} Hazardous substance may exhibit the characteristic of ignitability as defined in 40 CFR 261.21 (revised as of July 1, 2001).
- {L} Criteria for lead are derived using a biologically based model, as allowed for under section 20120a(10) of the act, and are not calculated using the algorithms and assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 µg/L is linked to the generic soil direct contact criterion of 400 mg/kg. A higher concentrations in the drinking water, up to the state action level or 15 µg/L, may be allowed as a site-specific remedy, and still allow for drinking water use, under section 20120a(2) of the act if soil concentration are appropriately lower than 400 mg/kg. If a site specific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 µg/L to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable combinations of site-specific soil and drinking water concentrations are presented in the following table.

Drinking Water Concentrations [µg/L]	Soil Concentrations [mg/kg]
5	386-395
6	376-385
7	376-385
8	366-375
9	356-365
10	346-355
Drinking Water Concentrations [µg/L]	Soil Concentrations [mg/kg]
11	336-345
12	336-345
13	326-335
14	316-325
15	306-315

- {M} Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.
- {P} Amenable or Method OIA-1677 analysis is used to quantify cyanide concentrations for compliance with all groundwater criteria.
- {Q} Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
- {R} Hazardous substance may exhibit the characteristic of reactivity as defined in 40 CFR 261.23 (revised as of July 1, 2001).
- {S} Criterion defaults to the hazardous substance-specific water solubility limit.
- {W} Concentrations of trihalomethanes in groundwater must be added together to determine compliance with the State of Michigan Drinking Water Standard of 80 µg/L. Concentrations of trihalomethanes in soil must be added together to determine compliance with the DWPC of 1,600 µg/kg.
- {X} The GSI criterion shown is not protective for surface water that is used as a drinking water source.
- {Z} Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental

mercury, CAS 7439976, serve as the basis for soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

{DD} Hazardous substance causes developmental effects. Residential and Commercial I DCC are protective of both prenatal and postnatal exposure. Industrial and Commercial II, III and IV DCC are protective for an adult pregnant receptor.

{ID} Insufficient data to develop criterion.

{EE} The following are applicable generic GSI criteria as required by section 20120a(15) of the act.

Hazardous Substance	GSI (µg/L)	Notes
Phosphorus	1,000	Criteria applicable unless receiving water is a surface water that has a phosphorus waste load allocation or is an inland lake. In those cases, contact the department for applicable values.
Total dissolved solids (TDS)	5.0E+5	If TDS data are not available, the TDS criterion may be used a screening level for the sum of the concentrations of the following substances: Calcium, Chlorides, Iron, Magnesium, Potassium, Sodium, Sulfate.
Dissolved Oxygen (DO): Cold receiving waters Warm receiving waters	≥ 7,000 ≥ 5,000	Since a low level of DO can be harmful to aquatic life, the criterion represents a minimum level that on-site samples must exceed. This is in contrast to other criteria which represent "not to exceed" concentrations. DO criteria are not applicable if groundwater Carbonaceous Biochemical Oxygen Demand (CBOD) is less than 10,000 µg/L and groundwater ammonia concentration is less than 2,000 µg/L.

{NA} Criterion or value is not available or, in the case of background and chemical abstract service numbers, not applicable.

{NLL} Hazardous substance is not likely to leach under most soil conditions.

{NLV} Hazardous substance is not likely to volatilize under most conditions.

TABLE 6
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF GROUNDWATER ANALYTICAL DATA

Sample ID: Date Collected:	Units	MW404 04/23/04	TW-1 12/29/03	TW-6 08/09/07	TW-6 11/07/07	TW-7 08/09/07	TW-7 11/07/07	TW-8 08/09/07	TW-8 11/07/07
Inorganics (Total Metals)									
Aluminum	ug/L	NA	NA	986 (RDW-A,H; IDW-A,H)	30	26	7	5.00 U	15
Antimony	ug/L	NA	5.00 U	2.00 U	<2	2.00 U	2.00 U	2.00 U	2.00 U
Arsenic	ug/L	2.00 U	5.00	2.00	6	1.00 U	1.00 U	17 (RDW-A,H; IDW-A,H)	16 (RDW-A,H; IDW-A,H)
Barium	ug/L	80.0	300	104	70	19	16	73	75
Beryllium	ug/L	NA	1.00 U	1.00 U	<1	1.00 U	1.00 U	1.00 U	1.00 U
Cadmium	ug/L	0.500 U	0.500 U	9.6 (RDW-A,H; IDW-A,H)	<0.5	0.500 U	0.500 U	0.500 U	0.500 U
Calcium	ug/L	NA	NA	197,000	198000	43,400	43300	77,900	70900
Chromium	ug/L	5.00 U	5.00 U	77	8	5.00 U	5.00 U	5.00 U	5.00 U
Cobalt	ug/L	NA	10.0 U	5.00 U	<5	5.00 U	5.00 U	5.00 U	5.00 U
Copper	ug/L	NA	10.0 U	24 (GSI)	4	1.00	1.00 U	1.00 U	1.00 U
Iron	ug/L	NA	NA	14300 (RDW-A,H; IDW-A,H)	4190 (RDW-A,H; IDW-A,H)	150	190	1,510	1510
Lead	ug/L	3.00 U	3.00 U	4.00	<3	3.00 U	3.00 U	3.00 U	3.00 U
Magnesium	ug/L	NA	NA	93600 (RDW-A,H)	71300 (RDW-A,H)	12,500	12800	21,200	19800
Manganese	ug/L	NA	1,200 (IDW-A,RDW-A,RDW-H)	436 (RDW-A)	460 (RDW-A)	27	5	182 (RDW-A)	161 (RDW-A)
Mercury	ug/L	0.200 U	0.100 U	0.2 U	<0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	ug/L	NA	5.00 U	26	12	5.00 U	5.00 U	5.00 U	5.00 U
Potassium	ug/L	NA	NA	7,880	5080	930	800	660	730
Selenium	ug/L	5.00 U	5.00 U	5.00 U	<5	5.00 U	5.00 U	5.00 U	5.00 U
Silver	ug/L	0.500 U	0.500 U	0.3	<0.2	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	ug/L	NA	NA	119,000	146000 (RDW-A,H)	2,810	2940	7,980	8350
Thallium	ug/L	NA	1.00 U	1.00 U	<1	1.00 U	1.00 U	1.00 U	1.00 U
Vanadium	ug/L	NA	5.00 U	5 (RDW-A)	5 (RDW-A)	4.00 U	4.00 U	4.00 U	4.00 U
Zinc	ug/L	NA	10.0 U	97	29	18	8	5.0 U	76
Inorganics-Filtered									
Antimony	ug/L	NA	5 U	NA	NA	NA	NA	NA	NA
Arsenic	ug/L	NA	4	NA	NA	NA	NA	NA	NA
Barium	ug/L	NA	300	NA	NA	NA	NA	NA	NA
Beryllium	ug/L	NA	1 U	NA	NA	NA	NA	NA	NA
Cadmium	ug/L	NA	0.5 U	NA	NA	NA	NA	NA	NA
Chromium	ug/L	NA	5 U	NA	NA	NA	NA	NA	NA
Cobalt	ug/L	NA	10 U	NA	NA	NA	NA	NA	NA
Copper	ug/L	NA	10 U	NA	NA	NA	NA	NA	NA
Lead	ug/L	NA	3 U	NA	NA	NA	NA	NA	NA
Manganese	ug/L	NA	1,200 (IDW-A,RDW-A,RDW-H)	NA	NA	NA	NA	NA	NA
Mercury	ug/L	NA	0.1 U	NA	NA	NA	NA	NA	NA
Nickel	ug/L	NA	5 U	NA	NA	NA	NA	NA	NA
Selenium	ug/L	NA	5 U	NA	NA	NA	NA	NA	NA
Silver	ug/L	NA	0.5 U	NA	NA	NA	NA	NA	NA
Thallium	ug/L	NA	1 U	NA	NA	NA	NA	NA	NA
Vanadium	ug/L	NA	5 U	NA	NA	NA	NA	NA	NA
Zinc	ug/L	NA	10 U	NA	NA	NA	NA	NA	NA
Other Parameters									
Turbidity	ntu	NM	27.3	NM	4.0	3.86	4.64	1.60	1.19
pH	s.u.	6.8	6.93	7.28	7.70	7.76	8.10	7.09	7.96
Volatile Organics									
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	NA	30 U	30 U	30 U	30 U	30 U	30 U	30 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	ug/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	ug/L	1.0 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	30 U	30 U	20 U	20 U	20 U	20 U	20 U	20 U
2-Hexanone	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	ug/L	30 U	0.50 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 6
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF GROUNDWATER ANALYTICAL DATA

Sample ID: Date Collected:	Units	MW404 04/23/04	TW-1 12/29/03	TW-6 08/09/07	TW-6 11/07/07	TW-7 08/09/07	TW-7 11/07/07	TW-8 08/09/07	TW-8 11/07/07
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	ug/L	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Disulfide	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	ug/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	ug/L	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	ug/L	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Methyl tert-butyl ether	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	ug/L	5.0 U	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	1.0 U	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	1.0 U	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	ug/L	1.0 U	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p,m-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	5 U	5 U	5 U	5 U	5 U
sec-Butylbenzene	ug/L	1.0 U	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	1.0 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	ug/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	ug/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Semivolatile Organics									
1,1'-Biphenyl	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	ug/L	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrophenol	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	ug/L	5.0 U	0.40	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylphenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3&4-Methylphenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-methylphenol	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl-phenylether	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloro-3-Methylphenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U

TABLE 6
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
AND ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF GROUNDWATER ANALYTICAL DATA

Sample ID: Date Collected:	Units	MW404 04/23/04	TW-1 12/29/03	TW-6 08/09/07	TW-6 11/07/07	TW-7 08/09/07	TW-7 11/07/07	TW-8 08/09/07	TW-8 11/07/07
4-Chlorophenyl-phenylether	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitroaniline	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Acenaphthylene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetophenone	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Anthracene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Atrazine	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzaldehyde	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzo(a)pyrene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(b)fluoranthene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(g,h,i)perylene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
bis(2-Chloroethoxy)methane	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroisopropyl)ether	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	ug/L	NA	0.70	0.70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Caprolactam	ug/L	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	ug/L	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenzo(a,h)anthracene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenzofuran	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-Butylphthalate	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-Octylphthalate	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Fluorene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Hexachlorobenzene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Isophorone	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Nitrobenzene	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitroso-di-n-propylamine	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	ug/L	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenol	ug/L	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pyrene	ug/L	5.0 U	5.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Total Methylphenols	ug/L	NA	5.0 U	NA	NA	NA	NA	NA	NA
PCBs									
Aroclor-1016	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.10 U	0.010 U	0.2 UL	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Notes:

Shading indicates an exceedance of at least one criteria.

U - constituent not detected

L - Elevated reporting limit due to low sample amount.

s.u. - standard units.

RDW - Residential Drinking Water.

IDW - Industrial Drinking Water.

GSI - Groundwater Surface Water Interface.

A - aesthetic drinking water value.

H - health-based drinking water value.

NM - not measured

TABLE 7
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Groundwater Criteria

	Residential and Commercial I Drinking Water Criteria (ug/l)		Industrial and Commercial II, III, & IV Drinking Water Criteria (ug/l)		Groundwater/ Surface Water Interface Criteria (ug/l)	Groundwater Contact Criteria (ug/l)
	Aesthetic	Health	Aesthetic	Health		
Inorganics						
Aluminum	50 (E,V)	300 (E,V)	50 (E,V)	4100 (E,V)	NA	64,000,000
Antimony	6 {A}	6 {A}	6 {A}	6 {A}	130 {X}	68,000
Arsenic	10 {A}	10 {A}	10 {A}	10 {A}	150 {X}	4,300
Barium	2,000 {B,A}	2,000 {B,A}	2,000 {B,A}	2,000 {B,A}	1,308 {B,G,X}	14,000,000 {B}
Beryllium	4 {A}	4 {A}	4 {A}	4 {A}	32.3 {G}	290,000
Cadmium	5 {B,A}	5 {B,A}	5 {B,A}	5 {B,A}	4.8 {B,G,X}	190,000 {B}
Chromium	100 {A}	100 {A}	100 {A}	100 {A}	11	460,000
Cobalt	40	40	100	100	100	2,400,000
Copper	1,000 {B,E}	1,400 {B,E}	1,000 {B,E}	4,000 {B,E}	21.6 {B,G}	7,400,000 {B}
Iron	300 {E}	700 {E}	300 {E}	700 {E}	NA	5,800,000
Lead	4 {B,L}	4 {B,L}	4 {B,L}	4 {B,L}	30.9 {B,G,X}	{ID}
Magnesium	400,000	400,000	110,000	110,000	NA	1,000,000,000 {D}
Manganese	50 {B,E}	860 {B,E}	50 {B,E}	2,500 {B,E}	4,767 {B,G,X}	9,100,000 {B}
Mercury	2 {B,Z,A}	2 {B,Z,A}	2 {A,B,Z}	2 {A,B,Z}	0.0013 {B,Z}	56 {B,Z,S}
Nickel	100 {B,A}	100 {B,A}	100 {B,A}	100 {B,A}	124.3 {B,G}	74,000,000 {B}
Selenium	50 {B,A}	50 {B,A}	50 {B,A}	50 {B,A}	5 {B}	970,000 {B}
Silver	34 {B}	34 {B}	98 {B}	98 {B}	0.2 {B,M}	1,500,000 {B}
Thallium	2 {B,A}	2 {B,A}	2 {B,A}	2 {B,A}	3.7 {B,I, X}	13,000 {B}
Vanadium	4.5	4.5	62	62	12	970,000
Zinc	2,400 {B}	2,400 {B}	5,000 {B,E}	5,000 {B,E}	282.7 {B,G}	110,000,000 {B}
Inorganics-Filtered						
Antimony	6 {A}	6 {A}	6 {A}	6 {A}	130 {X}	68,000
Arsenic	10 {A}	10 {A}	10 {A}	10 {A}	150 {X}	4,300
Barium	2,000 {B,A}	2,000 {B,A}	2,000 {B,A}	2,000 {B,A}	1,308 {B,G,X}	14,000,000 {B}
Beryllium	4 {A}	4 {A}	4 {A}	4 {A}	32.3 {G}	290,000
Cadmium	5 {B,A}	5 {B,A}	5 {B,A}	5 {B,A}	4.8 {B,G,X}	190,000 {B}
Chromium	100 {A}	100 {A}	100 {A}	100 {A}	11	460,000
Cobalt	40	40	100	100	100	2,400,000
Copper	1,000 {B,E}	1,400 {B,E}	1,000 {B,E}	4,000 {B,E}	21.6 {B,G}	7,400,000 {B}
Lead	4 {B,L}	4 {B,L}	4 {B,L}	4 {B,L}	30.9 {B,G,X}	{ID}
Manganese	50 {B,E}	860 {B,E}	50 {B,E}	2,500 {B,E}	4,767 {B,G,X}	9,100,000 {B}
Mercury	2 {B,Z,A}	2 {B,Z,A}	2 {A,B,Z}	2 {A,B,Z}	0.0013 {B,Z}	56 {B,Z,S}
Nickel	100 {B,A}	100 {B,A}	100 {B,A}	100 {B,A}	124.3 {B,G}	74,000,000 {B}
Selenium	50 {B,A}	50 {B,A}	50 {B,A}	50 {B,A}	5 {B}	970,000 {B}
Silver	34 {B}	34 {B}	98 {B}	98 {B}	0.2 {B,M}	1,500,000 {B}
Thallium	2 {B,A}	2 {B,A}	2 {B,A}	2 {B,A}	3.7 {B,I, X}	13,000 {B}
Vanadium	4.5	4.5	62	62	12	970,000
Zinc	2,400 {B}	2,400 {B}	5,000 {B,E}	5,000 {B,E}	282.7 {B,G}	110,000,000 {B}
Volatile Organics						
1,1,1-Trichloroethane	200 {A}	200 {A}	200 {A}	200 {A}	200	1,300,000 {S}
1,1,2,2-Tetrachloroethane	8.5	8.5	35	35	78 {X}	4,700
1,1,2-trichloro-1,2,2-trifluoroethane	170,000 {S}	170,000 {S}	170,000 {S}	170,000 {S}	32	170,000 {S}
1,1,2-Trichloroethane	5 {A}	5 {A}	5 {A}	5 {A}	330 {X}	21,000
1,1-Dichloroethane	880	880	2,500	2,500	740	2,400,000
1,1-Dichloroethene	7 {I,A}	7 {I,A}	7 {I,A}	7 {I,A}	65 {I,X}	11,000 {I}
1,2,4-Trichlorobenzene	70 {A}	70 {A}	70 {A}	70 {A}	30	19,000
1,2,4-Trimethylbenzene	63 {I,E}	1,000 {I,E}	63 {I,E}	2,900 {I,E}	17 {I}	56,000 {I,S}
1,2-Dibromo-3-chloropropane	0.2 {A}	0.2 {A}	0.2 {A}	0.2 {A}	{NA}	390
1,2-Dibromoethane	0.05 {A}	0.05 {A}	0.05 {A}	0.05 {A}	0.2 {X}	25
1,2-Dichlorobenzene	600 {A}	600 {A}	600 {A}	600 {A}	16	160,000 {S}
1,2-Dichloroethane	5 {I,A}	5 {I,A}	5 {I,A}	5 {I,A}	360 {I,X}	19,000 {I}
1,2-Dichloropropane	5 {I,A}	5 {I,A}	5 {I,A}	5 {I,A}	290 {I,X}	16,000 {I}
1,3,5-Trimethylbenzene	72 {I,E}	1,000 {I,E}	72 {I,E}	2,900 {I,E}	45 {I}	61,000 {I,S}
1,3-Dichlorobenzene	6.6	6.6	19	19	38	2,000
1,4-Dichlorobenzene	75 {A}	75 {A}	75 {A}	75 {A}	13	6,400
2-Butanone	13,000 {I}	13,000 {I}	38,000 {I}	38,000 {I}	2,200 {I}	240,000,000 {I,S}
2-Hexanone	1,000	1,000	2,900	2,900	{NA}	5,200,000
4-Methyl-2-pentanone	1,800 {I}	1,800 {I}	5,200 {I}	5,200 {I}	{ID}	13,000,000 {I}
Acetone	730 {I}	730 {I}	2,100 {I}	2,100 {I}	1,700 {I}	31,000,000 {I}
Benzene	5 {I,A}	5 {I,A}	5 {I,A}	5 {I,A}	200 {I,X}	11,000 {I}
Bromodichloromethane	80 {AW}	80 {AW}	80 {A,W}	80 {A,W}	{ID}	14,000

TABLE 7
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Groundwater Criteria

	Residential and Commercial I Drinking Water Criteria (ug/l)		Industrial and Commercial II, III, & IV Drinking Water Criteria (ug/l)		Groundwater/ Surface Water Interface Criteria (ug/l)	Groundwater Contact Criteria (ug/l)
	Aesthetic	Health	Aesthetic	Health		
Bromoform	80 (AW)	80 (AW)	80 (A,W)	80 (A,W)	{ID}	140,000
Bromomethane	10	10	29	29	35	70,000
Carbon Disulfide	800 {I,R}	800 {I,R}	2,300 {I,R}	2,300 {I,R}	{ID}	1,200,000 {I,R,S}
Carbon Tetrachloride	5 (A)	5 (A)	5 (A)	5 (A)	45 (X)	4,600
Chlorobenzene	100 {I,A}	100 {I,A}	100 {I,A}	100 {I,A}	47 {I}	86,000 {I}
Chloroethane	430	430	1,700	1,700	{ID}	440,000
Chloroform	80 {A,W}	80 {A,W}	80 {A,W}	80 {A,W}	170 (X)	150,000
Chloromethane	260 {I}	260 {I}	1,100 {I}	1,100 {I}	{ID}	490,000 {I}
cis-1,2-Dichloroethene	70 (A)	70 (A)	70 (A)	70 (A)	620	200,000
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	NA	NA	NA
Dibromochloromethane	80 (A,W)	80 (A,W)	80 (A,W)	80 (A,W)	{ID}	18,000
Dichlorodifluoromethane	1,700	1,700	4,800	4,800	{ID}	300,000 {S}
Ethylbenzene	74 {I,E}	700 {I,E}	74 {I,E}	700 {I,E}	18 {I}	170,000 {I,S}
Isopropylbenzene	800	800	2,300	2,300	{ID}	56,000 {S}
Methyl Acetate	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	40 {E}	240 {E}	40 {E}	690 {E}	730 (X)	610,000
Methylene Chloride	5 (A)	5 (A)	5 (A)	5 (A)	940 (X)	220,000
Naphthalene	520	520	1,500	1,500	13	31,000 {S}
n-Butylbenzene	80	80	230	230	{ID}	5,900
n-Propylbenzene	80 {I}	80 {I}	230 {I}	230 {I}	{ID}	15,000 {I}
o-Xylene	NA	NA	NA	NA	NA	NA
p,m-Xylene	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	80	80	230	230	{ID}	4,400
Styrene	100 (A)	100 (A)	100 (A)	100 (A)	80	9,700
tert-Butylbenzene	80 {I}	80 {I}	230 {I}	230 {I}	{ID}	8,900 {I}
Tetrachloroethene	5 (A)	5 (A)	5 (A)	5 (A)	45 (X)	12,000
Toluene	790 {I,E}	1,000 {I,E}	790 {I,E}	1,000 {I,E}	140 {I}	530,000 {I,S}
trans-1,2-Dichloroethene	100 (A)	100 (A)	100 (A)	100 (A)	1,500	220,000
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA
Trichloroethene	5 (A)	5 (A)	5 (A)	5 (A)	200 (X)	22,000
Trichlorofluoromethane	2,600	2,600	7,300	7,300	{NA}	1,100,000 {S}
Vinyl Acetate	640 {I}	640 {I}	1,800 {I}	1,800 {I}	{NA}	8,000,000 {I}
Vinyl Chloride	2 (A)	2 (A)	2 (A)	2 (A)	15	1,000
Xylenes (total)	280 {I,E}	10,000 {I,E}	280 {I,E}	10,000 {I,E}	35 {I}	190,000 {I,S}
Semivolatile Organics						
1,1'-Biphenyl	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	730	730	2,100	2,100	{NA}	170,000
2,4,6-Trichlorophenol	120	120	470	470	4.4	10,000
2,4-Dichlorophenol	73	73	210	210	19	48,000
2,4-Dimethylphenol	370	370	1,000	1,000	380	520,000
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	7.7	7.7	32	32	{NA}	8,600
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	1,800	1,800	5,200	5,200	{NA}	6,700 {S}
2-Chlorophenol	45	45	130	130	22	94,000
2-Methylnaphthalene	260	260	750	750	{ID}	25,000 {S}
2-Methylphenol	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA
2-Nitrophenol	20	20	58	58	{ID}	79,000
3&4-Methylphenol	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	1.1	1.1	4.3	4.3	0.3 (X)	180
3-Nitroaniline	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	20 {M}	20 {M}	20 {M}	20 {M}	{NA}	9,500
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	150	150	420	420	7.4	79,000
4-Chloroaniline	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA
Acenaphthene	1,300	1,300	3,800	3,800	19	4,200 {S}
Acenaphthylene	52	52	150	150	{ID}	3,900 {S}
Acetophenone	1,500	1,500	4,400	4,400	{ID}	6,100,000 {S}

TABLE 7
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
MDEQ Part 201 Groundwater Criteria

	Residential and Commercial I Drinking Water Criteria (ug/l)		Industrial and Commercial II, III, & IV Drinking Water Criteria (ug/l)		Groundwater/ Surface Water Interface Criteria (ug/l)	Groundwater Contact Criteria (ug/l)
	Aesthetic	Health	Aesthetic	Health		
Anthracene	43 {S}	43 {S}	43 {S}	43 {S}	{ID}	43 {S}
Atrazine	3 {A}	3 {A}	3 {A}	3 {A}	7.3 {X}	5,400
Benzaldehyde	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	2.1 {Q}	2.1 {Q}	8.5 {Q}	8.5 {Q}	{ID}	9.4 {Q,S,AA}
Benzo(a)pyrene	5 {Q,A}	5 {Q,A}	5 {Q,A}	5 {Q,A}	{ID}	1 {Q,M,AA}
Benzo(b)fluoranthene	1.5 {Q,S,AA}	1.5 {Q,S,AA}	1.5 {Q,S,AA}	1.5 {Q,S,AA}	{ID}	1.5 {Q,S,AA}
Benzo(g,h,i)perylene	1 {M}	1 {M}	1 {M}	1 {M}	{NA}	1 {M,A,A}
Benzo(k)fluoranthene	1 {Q}	1 {Q}	1 {Q,M}	1 {Q,M}	{NA}	1 {Q,M,AA}
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	2 {I}	2 {I}	8.3 {I}	8.3 {I}	15 {I,X}	5,700 {I}
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	6 {A}	6 {A}	6 {A}	6 {A}	32	320 {AA}
Butylbenzylphthalate	1,200	1,200	2,700 {S}	2,700 {S}	14 {X}	2,700 {S}
Caprolactam	5,800	5,800	17,000	17,000	{NA}	390,000,000
Carbazole	85	85	350	350	10 {M}	7,400
Chrysene	1.6 {S,Q}	1.6 {S,Q}	1.6 {Q,S}	1.6 {Q,S}	{ID}	1.6 {Q,S,AA}
Dibenzo(a,h)anthracene	2 {Q,M}	2 {Q,M}	2 {Q,M}	2 {Q,M}	{ID}	2 {Q,M,AA}
Dibenzofuran	{ID}	{ID}	{ID}	{ID}	4	{ID}
Diethylphthalate	5,500	5,500	16,000	16,000	110	1,100,000 {S}
Dimethylphthalate	73,000	73,000	210,000	210,000	{NA}	4,200,000 {S}
Di-n-Butylphthalate	880	880	2,500	2,500	9.7	11,000 {S}
Di-n-Octylphthalate	130	130	380	380	{ID}	400
Fluoranthene	210 {S}	210 {S}	210 {S}	210 {S}	1.6	210 {S}
Fluorene	880	880	2,000 {S}	2,000 {S}	12	2,000 {S}
Hexachlorobenzene	1 {A}	1 {A}	1 {A}	1 {A}	0.2 {M}	4.6
Hexachlorobutadiene	15	15	42	42	0.05	400
Hexachlorocyclopentadiene	50 {A}	50 {A}	50 {A}	50 {A}	{ID}	1,600
Hexachloroethane	7.3	7.3	21	21	6.7 {X}	1,900
Indeno(1,2,3-cd)pyrene	2 {Q,M}	2 {Q,M}	2 {Q,M}	2 {Q,M}	{ID}	2 {Q,M,AA}
Isophorone	770	770	3,100	3,100	570 {X}	990,000
Naphthalene	520	520	1,500	1,500	13	31,000 {S}
Nitrobenzene	3.4 {I}	3.4 {I}	9.6 {I}	9.6 {I}	180 {I,X}	11,000 {I}
N-Nitroso-di-n-propylamine	5 {M}	5 {M}	5 {M}	5 {M}	{NA}	360
N-Nitrosodiphenylamine	270	270	1,100	1,100	{NA}	35,000 {S}
Pentachlorophenol	1 {A}	1 {A}	1 {A}	1 {A}	2.8 {G,X}	200
Phenanthrene	52	52	150	150	2.4	1,000 {S}
Phenol	4,400	4,400	13,000	13,000	210	29,000,000
Pyrene	140 {S}	140 {S}	140 {S}	140 {S}	{ID}	140 {S}
Total Methylphenols	370 {J}	370 {J}	1,000 {J}	1,000 {J}	71 {J}	810,000 {J}
PCBs						
Aroclor-1016	NA	NA	NA	NA	NA	NA
Aroclor-1221	NA	NA	NA	NA	NA	NA
Aroclor-1232	NA	NA	NA	NA	NA	NA
Aroclor-1242	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA
Total PCBs	0.5 {J,T,A}	0.5 {J,T,A}	0.5 {J,T,A}	0.5 {J,T,A}	0.2 {J,T,M}	3.3 {J,T,AA}

Notes:

1. NA - Not applicable - no criteria established.
 2. ID - Inadequate data to develop criterion.
 3. NLV- Hazardous substance is not likely to volatilize under most soil conditions.
 4. Hardness value dependent GSI calculations used a value of 280 ppm (conversion with MDEQ (Cooper, 12/8/03)) which is representative of Flint River. pH dependent GSI calculations used a value of 6.93 s.u. which was recorded at TW-1 at time of sampling.
 5. MDEQ Part 201 Criteria taken from Michigan DEQ Act 451, Part 201, Operational Memorandum 18.
- Footnotes for MDEQ Criteria are defined in Table 8.

TABLE 8
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
FOOTNOTES FOR GROUNDWATER AND SOIL PART 201 CRITERIA

A	Criterion is the State of Michigan Drinking Water Standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.
B	Background, as defined in R299-5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.
C	Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat} . Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
D	Calculated criterion exceeds 100%, hence it is reduced to 100% (i.e., 1.0E+9 µg/l or 1.0E+06 mg/l).
E	Criterion is the aesthetic drinking water value, as required by Sec. 20120a(5) of the act.
F	Criterion is based on adverse impacts to plant life (i.e., phytotoxicity).
G	Groundwater Surface Water Interface Protection Criteria were calculated based on a hardness of ... mg/L for the Flint River.
H	Valence-specific chromium data (Cr^{+3} and Cr^{+6}) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr^{+3} and Cr^{+6} are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 µg/L. If analytical data are provided to total chromium only, they shall be compared to the cleanup criteria for Cr^{+6} . Cr^{+3} soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.
I	Hazardous substance may exhibit the characteristic of ignitability as defined in 40 CFR 261.21 (revised as of July 1, 2001).
J	Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.
K	Hazardous substance may be flammable or explosive, or both.
L	Higher groundwater concentrations (up to 15 ug/L) may be acceptable if the soil concentration is less than 400 ppm and groundwater migrating off-site will not result in unacceptable exposures.
M	Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.
N	The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) must be added together and compared to nitrate criteria.
O	The concentration of all polychlorinated and polybrominated dibenzodioxin isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based on their relative potency, must be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin.
P	Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial/ commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
Q	Criteria for carcinogenic polycyclic aromatic hydrocarbons (PAHs) were developed using "relative potential potencies" (RPPs) to benzo(a)pyrene.
R	Hazardous substance may exhibit the characteristic of reactivity as defined in 40 CFR 261.23 (revised as of July 1, 2001).
S	Criterion defaults to the chemical-specific water solubility limit.

**TABLE 8
GENERAL MOTORS CORPORATION**

**SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
FOOTNOTES FOR GROUNDWATER AND SOIL PART 201 CRITERIA**

T	Refer to the Toxic Substances Control Act (TSCA), 40 CFR 761, Subparts D and G, to determine the applicability of TSCA cleanup standards. Alternatives to compliance with the TSCA standards are possible under Subpart D. New releases may be subject to the standards identified in Subpart G. Use Part 201 soil direct contact criteria where TSCA standards are not applicable.
U	Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 CFR 261.22.
V	Criterion is the aesthetic drinking water value, as required by Sec. 20120(a)(5). Higher concentrations (up to 200 ug/L) may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) of the act.
W	Concentrations of trihalomethanes in groundwater must be added together to determine compliance with the State of Michigan Drinking Water Standard of 80 µg/L. Concentrations of trihalomethanes in soil must be added together to determine compliance with the DWPC of 1,600 µg/kg.
X	The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.
Y	Source size modifiers included in footnotes shall be used to determine soil inhalation criteria for ambient air when the source size is not 1/2-acre. The modifier shall be multiplied by the generic soil inhalation criteria shown in the table of generic cleanup criteria to determine the applicable criterion.
Z	Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.
AA	Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.
BB	The state drinking water standard for asbestos is in units of fibers per milliliter of water (f/mL) longer than 10 millimicrons. Soil concentrations of asbestos are determined by polarized light microscopy (PLM).
CC	The generic GSI criteria are based on the toxicity of unionized ammonia; the criteria are 29 ug/L and 53 ug/L for coldwater and warmwater surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH3 in the surface water. This percent NH3 is a function of the pH and temperature of the receiving surface water and can be estimated using the table provided in the footnote.
DD	Hazardous substance causes developmental effects. Residential and Commercial I DCC are protective of both prenatal and postnatal exposure. Industrial and Commercial II, III and IV DCC are protective for an adult pregnant receptor.
EE	The following are applicable generic GSI criteria as allowed for under Sec. 20120a(15): Phosphorus, 1,000 ug/L, total dissolved solids (TDS), 500,000 ug/L, dissolved oxygen, cold receiving waters, > 7,000 ug/L, dissolved oxygen, warm receiving waters, > 5,000 ug/L. DO criteria are not applicable if groundwater Carbonaceous Biochemical Oxygen Demand (CBOD) is less than 10,000 ug/L and groundwater ammonia concentration is less than 2,000 ug/L.
FF	The chloride GSI criterion shall be 125 mg/L when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/L when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.

ID	<i>Inadequate data</i> to develop criterion.
IP	Development of generic GSI criterion <i>in process</i> . This notation is used for those chemical on the Rule 57 Water Quality Values table where the NLS (no literature search) notation is indicated for one or more of the endpoints required for development of a
NA	Criterion or value is <i>not available</i> , or, as is the case for background and CAS numbers, <i>not applicable</i> .
NLL	Chemical is <i>not likely to leach</i> under most soil conditions.
NLV	Chemical is <i>not likely to volatilize</i> under most soil conditions.

TABLE 9
GENERAL MOTORS CORPORATION

SITE INVESTIGATION REPORT
56-ACRE UNDEVELOPED PROPERTY ADJACENT TO DELPHI ENERGY
& ENGINE MANAGEMENT SYSTEMS, PLANT 600/700
SUMMARY OF STAFF GAUGE AND GSI WELL MEASUREMENTS

Date	Ground Elevation	Top of Casing Elevation	Screen Depth		Depth to Water 12/29/2003	Groundwater Elevation	Depth to Water 8/8/2007	Groundwater Elevation	Depth to Water 11/7/2007	Groundwater Elevation	Depth to Water 12/14/2007	Groundwater Elevation
Monitoring I.D.	(ft)	(ft)	(ft bgs)	Screened Formation	(ft BTOC)	(ft)	(ft BTOC)	(ft)	(ft BTOC)	(ft)	(ft BTOC)	(ft)
TW-1	752.88	755.97	7 - 12' bgs	Native Sand, Gravel, and Silt	9.68	746.29	NA	NA	NA	NA	9.54	746.43
TW-8	753.41	757.56	8 - 13' bgs	Native Gravel and Sand	NA	NA	11.45	746.11	13.6	743.96	11.04	746.52
SG-1*	NA	748.65	NA	NA	NA	NA	1.61	747.04	1.83	746.82	1.63	747.02

NA - not applicable/available

BTOC - below top of casing

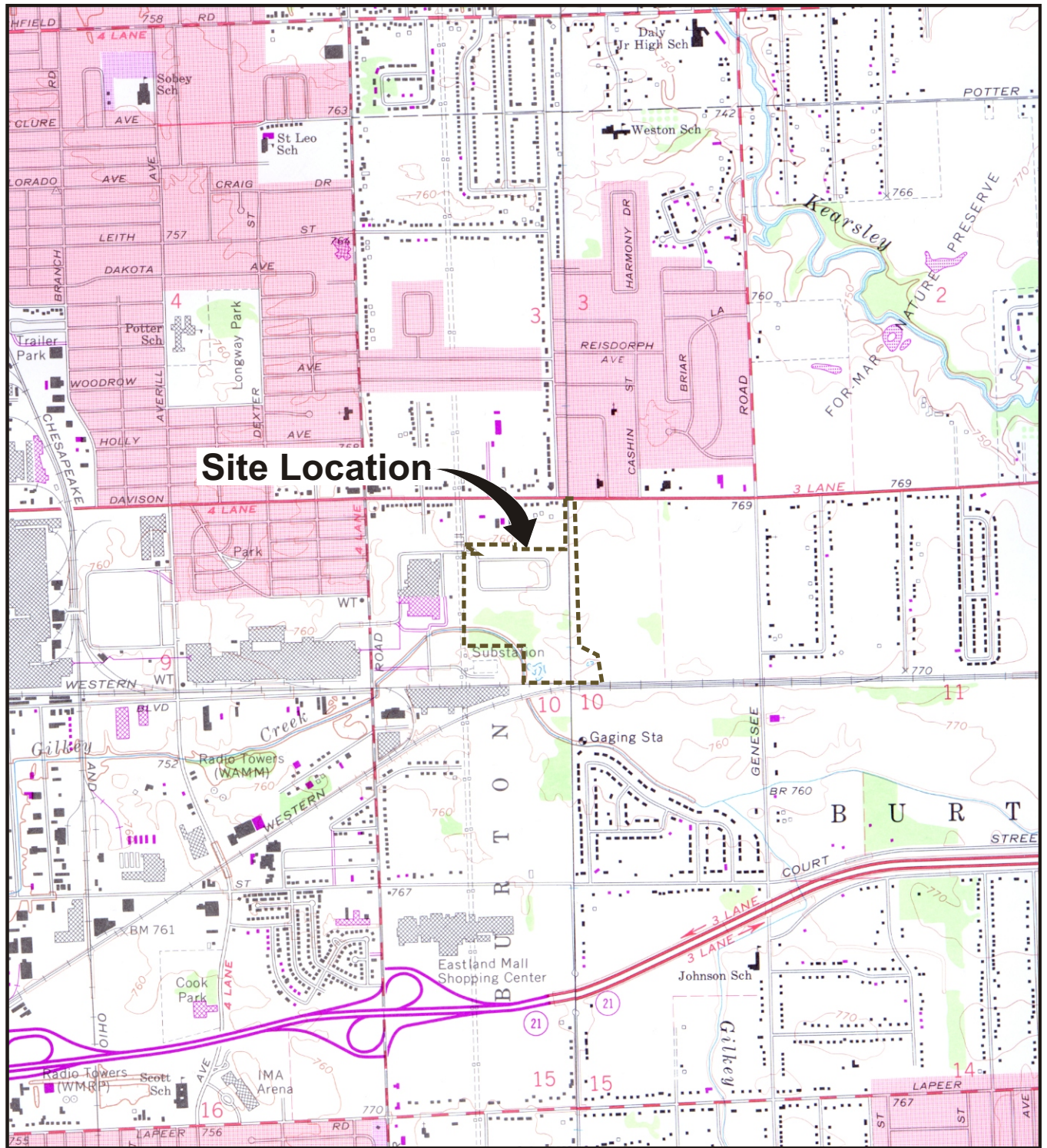
bgs - below ground surface

ft - feet

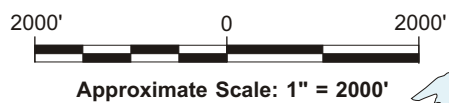
GSI - groundwater surface water interface

* - Staff gauge installed in Gilkey Creek between TW-1 and TW-8

Figures



REFERENCE: Base Map Source: USGS 7.5 Min. Topo. Quads., Flint North, 1969, and Davison, Michigan, 1969, photorevised 1975.



**PRIVILEGED & CONFIDENTIAL
PREPARED AT THE REQUEST
OF GM COUNSEL**

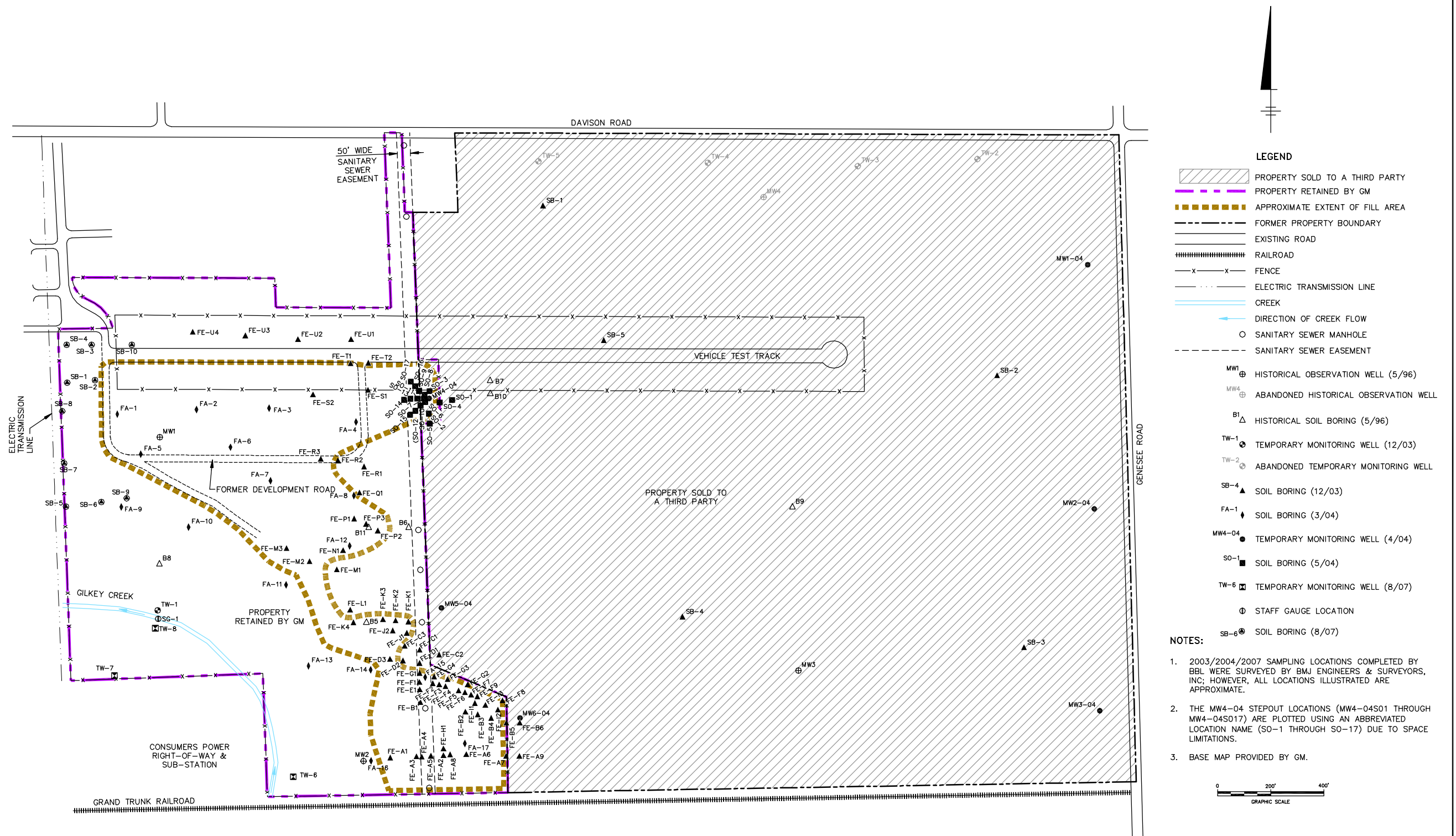
**GENERAL MOTORS CORPORATION
FLINT DELPHI EAST
BURTON, MICHIGAN**

SITE LOCATION MAP

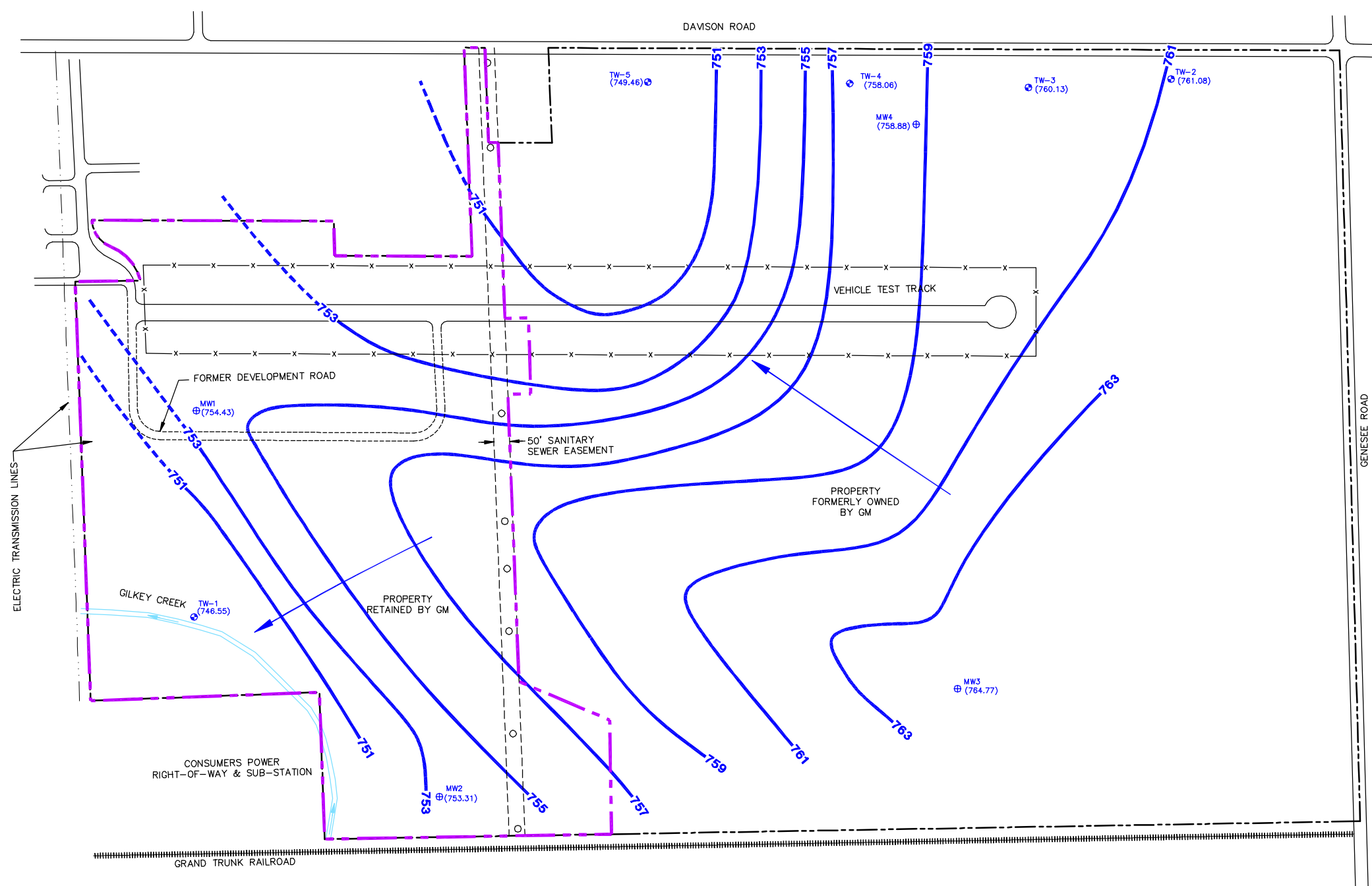


**FIGURE
1**

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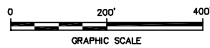


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- LEGEND**
- FORMER PROPERTY BOUNDARY
 - - - - - PROPERTY RETAINED BY GM
 - x-x-x-x- FENCE
 - CREEK
 - DIRECTION OF CREEK FLOW
 - ⊕ MW1 MONITORING WELL (5/96)
 - ⊕ TW-5 TEMPORARY MONITORING WELL (12/03)
 - (760.13) GROUNDWATER ELEVATION IN FEET (NAVD '88) (MEASUREMENTS TAKEN 1/13/04)
 - 759--- GROUNDWATER ELEVATION CONTOUR LINE IN FEET (2 FOOT INTERVAL) (DASHED WHERE INFERRED)
 - GROUNDWATER FLOW DIRECTION

- NOTE:**
- 2003/2004 SAMPLING LOCATIONS COMPLETED BY BBL WERE SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC; HOWEVER, ALL LOCATIONS ILLUSTRATED ARE APPROXIMATE.
 - BASE MAP PROVIDED BY GM.



FLINT DELPHI EAST
BURTON, MICHIGAN
BURTON 56 PROPERTY
FLINT DELPHI EAST FINAL SITE REPORT

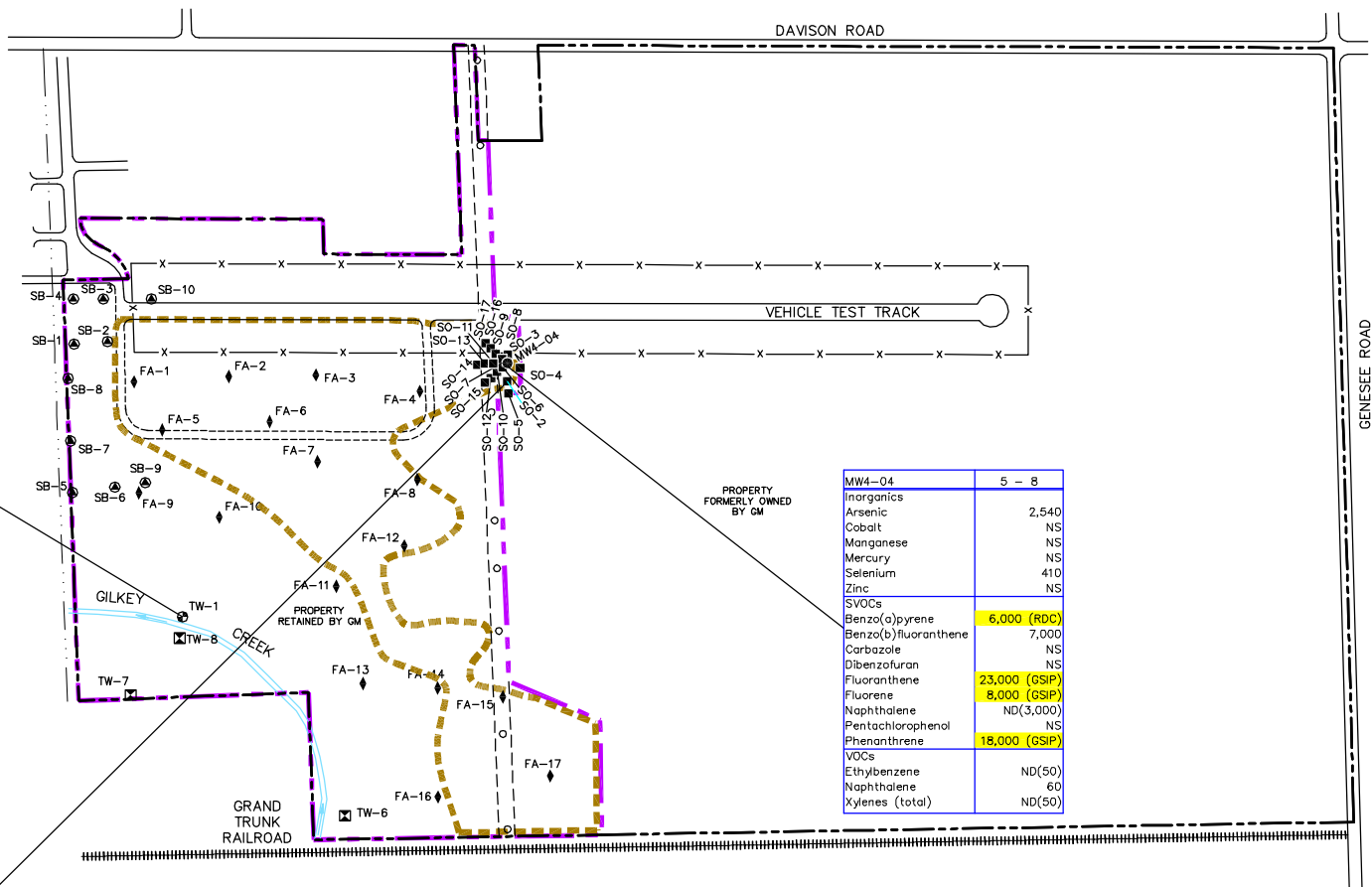
GROUNDWATER FLOW MAP



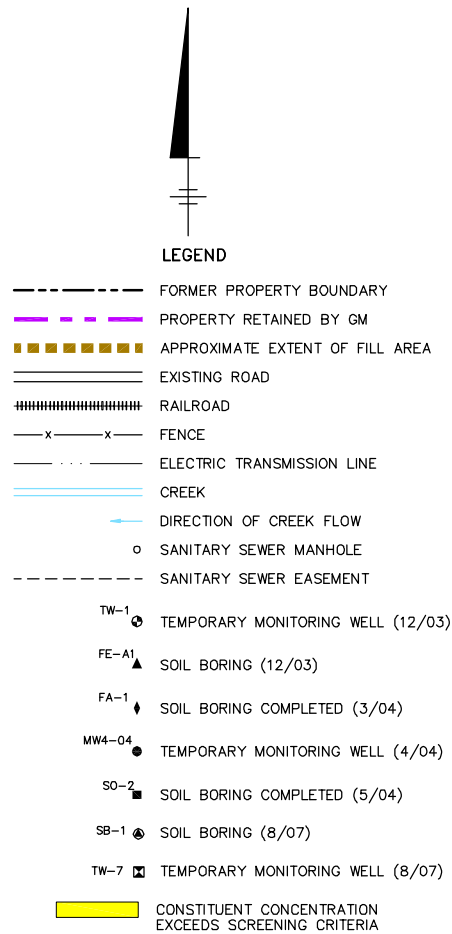
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PROJECT NAME: LAYOUT: SOIL ANALYTICAL DATA MAP PAGES: 1UP, 1 OF 1
XREFS: IMAGES:

TW-1	0 - 2	5.5 - 7.5
Inorganics		
Arsenic	7,900 (RDC)/8,250 (RDC)	1,810
Cobalt	2,600/2,720	1,600
Manganese	149,000/287,000	46,600
Mercury	110/110	ND(100)
Selenium	560 (GSIP)/730 (GSIP)	ND(200)
Zinc	28,300/30,900	7,100
SVOCs		
Benzo(a)pyrene	ND(330)/ND(330)	ND(330)
Benzo(b)fluoranthene	ND(330)/ND(330)	ND(330)
Carbazole	ND(330)/ND(330)	ND(330)
Dibenzofuran	ND(330)/ND(330)	ND(330)
Fluoranthene	10/10	ND(330)
Fluorene	ND(330)/ND(330)	ND(330)
Naphthalene	ND(330)/ND(330)	ND(330)
Pentachlorophenol	ND(700)/ND(700)	ND(700)
Phenanthrene	ND(330)/ND(330)	ND(330)
VOCs		
Ethylbenzene	20/20	20
Naphthalene	NS/NS	NS
Xylenes (total)	ND(70)/ND(70)	ND(60)

SO2	6 - 8
Inorganics	
Arsenic	1,810
Cobalt	NS
Manganese	NS
Mercury	NS
Selenium	390
Zinc	NS
SVOCs	
Benzo(a)pyrene	10,700 (IDC,RDC)
Benzo(b)fluoranthene	13,900
Carbazole	NS
Dibenzofuran	NS
Fluoranthene	28,000 (GSIP)
Fluorene	1,900
Naphthalene	900 (GSIP)
Pentachlorophenol	NS
Phenanthrene	18,200 (GSIP)
VOCs	
Ethylbenzene	ND(50)
Naphthalene	ND(50)
Xylenes (total)	ND(50)



MW4-04	5 - 8
Inorganics	
Arsenic	2,540
Cobalt	NS
Manganese	NS
Mercury	NS
Selenium	410
Zinc	NS
SVOCs	
Benzo(a)pyrene	6,000 (RDC)
Benzo(b)fluoranthene	7,000
Carbazole	NS
Dibenzofuran	NS
Fluoranthene	23,000 (GSIP)
Fluorene	8,000 (GSIP)
Naphthalene	ND(3,000)
Pentachlorophenol	NS
Phenanthrene	18,000 (GSIP)
VOCs	
Ethylbenzene	ND(50)
Naphthalene	60
Xylenes (total)	ND(50)

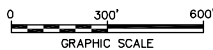


MICHIGAN PART 201 GENERIC SCREENING CRITERIA FOR SOILS

- RDC - RESIDENTIAL DIRECT CONTACT
- IDC - INDUSTRIAL DIRECT CONTACT
- RDWP - RESIDENTIAL DRINKING WATER PROTECTION
- IDWP - INDUSTRIAL DRINKING WATER PROTECTION
- GSIP - GROUNDWATER-SURFACE WATER INTERFACE PROTECTION
- C4DC - COMMERCIAL IV DIRECT CONTACT

NOTES:

- 2003/2004 SAMPLING LOCATIONS COMPLETED BY BBL WERE SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC; HOWEVER, ALL LOCATIONS ILLUSTRATED ARE APPROXIMATE.
- THE MW4-04 STEPOUT LOCATIONS (MW4-04S01 THROUGH MW4-04S017) ARE PLOTTED USING AN ABBREVIATED LOCATION NAME (SO-1 THROUGH SO-17) DUE TO SPACE LIMITATIONS.
- BASE MAP PROVIDED BY GM.
- ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER KILOGRAM (ug/kg).
- ONLY 2003/2004 DATA ARE PRESENTED.

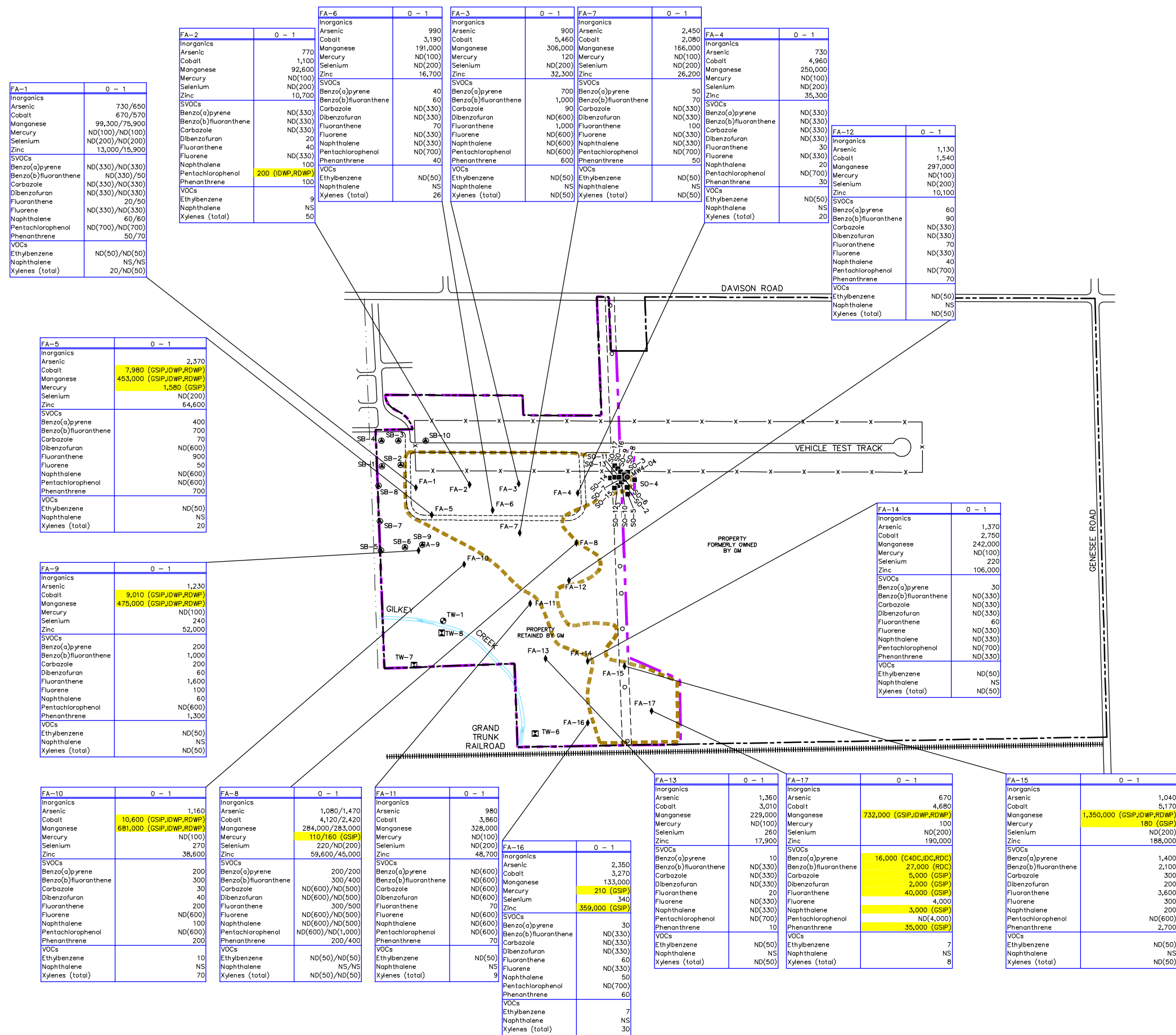


FLINT DELPHI EAST
BURTON, MICHIGAN
BURTON 56 PROPERTY
FLINT DELPHI EAST FINAL SITE REPORT

SOIL ANALYTICAL DATA MAP



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LAYOUT: SOIL ANALYTICAL DATA MAP
PAGESETUP: 12/20/2007 8:37 AM
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- LEGEND**
- FORMER PROPERTY BOUNDARY
 - PROPERTY RETAINED BY GM
 - APPROXIMATE EXTENT OF FILL AREA
 - EXISTING ROAD
 - RAILROAD
 - FENCE
 - ELECTRIC TRANSMISSION LINE
 - CREEK
 - DIRECTION OF CREEK FLOW
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER EASEMENT
 - TEMPORARY MONITORING WELL (12/03)
 - SOIL BORING (12/03)
 - SOIL BORING COMPLETED (3/04)
 - TEMPORARY MONITORING WELL (4/04)
 - SOIL BORING COMPLETED (5/04)
 - SOIL BORING (8/07)
 - TEMPORARY MONITORING WELL (8/07)
 - CONSTITUENT CONCENTRATION EXCEEDS SCREENING CRITERIA

MICHIGAN PART 201 GENERIC SCREENING CRITERIA FOR SOILS

RDC - RESIDENTIAL DIRECT CONTACT
IDC - INDUSTRIAL DIRECT CONTACT
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 - BASE MAP PROVIDED BY GM.
 - ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER KILOGRAM (ug/kg).
 - ONLY 2003/2004 DATA ARE PRESENTED.



FLINT DELPHI EAST
BURTON, MICHIGAN
BURTON 56 PROPERTY
FLINT DELPHI EAST FINAL SITE REPORT

SOIL ANALYTICAL DATA MAP

BR-85-PFS ADF LAYER: ON=* OFF=REF* J: 2007/6/4448030/6444803.dwg PROJECTNAME: 12/20/2007 8:38 AM LAYOUT:SOIL ANALYTICAL DATA MAP PAGES:12/20/2007 8:38 AM BY:AF0X

MW4-04S017	0 - 2	8 - 10	11 - 13
Inorganics			
Arsenic	1,210	790	800
Cobalt	2,440	1,190	1,150
Manganese	162,000	114,000	111,000
Mercury	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	ND(200)	ND(200)
Zinc	11,100	4,500	5,300
SVOCs			
Benzo(a)pyrene	ND(330)	ND(330)	ND(330)
Benzo(b)fluoranthene	ND(330)	ND(330)	ND(330)
Carbazole	ND(330)	ND(330)	ND(330)
Dibenzofuran	ND(330)	ND(330)	ND(330)
Fluoranthene	ND(330)	ND(330)	ND(330)
Fluorene	ND(330)	ND(330)	ND(330)
Naphthalene	ND(330)	ND(330)	ND(330)
Pentachlorophenol	ND(700)	ND(700)	ND(700)
Phenanthrene	ND(330)	ND(330)	ND(330)
VOCs			
Ethylbenzene	ND(50)	ND(50)	ND(50)
Naphthalene	NS	NS	NS
Xylenes (total)	ND(50)	ND(50)	ND(50)

MW4-04S08	0 - 2	8 - 10	10 - 11
Inorganics			
Arsenic	2,600	2,270	3,260/3,580
Cobalt	2,520	1,950	2,250/2,410
Manganese	562,000 (GSP, IDWP, RDWP)	95,000	271,000/320,000
Mercury	ND(100)	ND(100)	ND(100)/ND(100)
Selenium	ND(200)	ND(200)	ND(200)/300
Zinc	39,700	25,600	20,100/26,900
SVOCs			
Benzo(a)pyrene	ND(600)	ND(330)	ND(1,000)/ND(330)
Benzo(b)fluoranthene	700	ND(330)	ND(1,000)/ND(330)
Carbazole	ND(600)	ND(330)	ND(1,000)/ND(330)
Dibenzofuran	ND(600)	ND(330)	ND(1,000)/ND(330)
Fluoranthene	1,000	ND(330)	ND(1,000)/ND(330)
Fluorene	ND(600)	ND(330)	ND(1,000)/ND(330)
Naphthalene	ND(600)	ND(330)	ND(1,000)/ND(330)
Pentachlorophenol	ND(700)	ND(700)	ND(1,000)/ND(700)
Phenanthrene	ND(600)	ND(330)	ND(1,000)/ND(330)
VOCs			
Ethylbenzene	ND(50)	ND(50)	ND(50)/ND(50)
Naphthalene	NS	NS	NS/NS
Xylenes (total)	ND(50)	ND(50)	ND(50)/ND(50)

MW4-04S03	0 - 2	8 - 10
Inorganics		
Arsenic	660	860
Cobalt	1,510	720
Manganese	550,000 (GSP, IDWP, RDWP)	91,900
Mercury	ND(100)	ND(100)
Selenium	ND(200)	ND(200)
Zinc	41,000	4,100
SVOCs		
Benzo(a)pyrene	ND(330)	ND(330)
Benzo(b)fluoranthene	ND(330)	ND(330)
Carbazole	ND(330)	ND(330)
Dibenzofuran	ND(330)	ND(330)
Fluoranthene	ND(330)	ND(330)
Fluorene	ND(330)	ND(330)
Naphthalene	ND(330)	ND(330)
Pentachlorophenol	ND(700)	ND(700)
Phenanthrene	ND(330)	ND(330)
VOCs		
Ethylbenzene	ND(50)	ND(50)
Naphthalene	NS	NS
Xylenes (total)	ND(50)	ND(50)

MW4-04S07	0 - 2	8 - 10	10 - 12
Inorganics			
Arsenic	2,420	2,010	2,250
Cobalt	2,580	1,980	2,610
Manganese	393,000	197,000	189,000
Mercury	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	210	ND(200)
Zinc	41,000	33,200	24,700
SVOCs			
Benzo(a)pyrene	730	ND(3,000)	ND(2,000)
Benzo(b)fluoranthene	1,110	ND(3,000)	ND(2,000)
Carbazole	ND(330)	ND(3,000)	ND(2,000)
Dibenzofuran	ND(330)	ND(3,000)	ND(2,000)
Fluoranthene	1,710	3,000	ND(2,000)
Fluorene	ND(330)	ND(3,000)	ND(2,000)
Naphthalene	ND(330)	ND(3,000)	ND(2,000)
Pentachlorophenol	ND(700)	ND(3,000)	ND(2,000)
Phenanthrene	1,030	ND(3,000)	ND(2,000)
VOCs			
Ethylbenzene	ND(50)	ND(50)	ND(50)
Naphthalene	NS	NS	NS
Xylenes (total)	ND(50)	ND(50)	ND(50)

MW4-04S09	0 - 2	8 - 10
Inorganics		
Arsenic	2,700	660
Cobalt	2,800	900
Manganese	570,000 (GSP, IDWP, RDWP)	91,200
Mercury	ND(100)	ND(100)
Selenium	ND(200)	ND(200)
Zinc	38,900	4,300
SVOCs		
Benzo(a)pyrene	430	ND(330)
Benzo(b)fluoranthene	670	ND(330)
Carbazole	ND(330)	ND(330)
Dibenzofuran	ND(330)	ND(330)
Fluoranthene	950	ND(330)
Fluorene	ND(330)	ND(330)
Naphthalene	ND(330)	ND(330)
Pentachlorophenol	ND(700)	ND(700)
Phenanthrene	500	ND(330)
VOCs		
Ethylbenzene	ND(50)	ND(50)
Naphthalene	NS	NS
Xylenes (total)	ND(50)	ND(50)

MW4-04S014	0 - 2	8 - 10	10 - 12
Inorganics			
Arsenic	2,050	560	840
Cobalt	2,890	1,130	980
Manganese	281,000	101,000	95,000
Mercury	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	ND(200)	ND(200)
Zinc	43,200	3,600	5,700
SVOCs			
Benzo(a)pyrene	450	ND(330)	ND(330)
Benzo(b)fluoranthene	820	ND(330)	ND(330)
Carbazole	ND(330)	ND(330)	ND(330)
Dibenzofuran	ND(330)	ND(330)	ND(330)
Fluoranthene	890	ND(330)	ND(330)
Fluorene	ND(330)	ND(330)	ND(330)
Naphthalene	ND(330)	ND(330)	ND(330)
Pentachlorophenol	ND(700)	ND(700)	ND(700)
Phenanthrene	410	ND(330)	ND(330)
VOCs			
Ethylbenzene	ND(50)	ND(50)	ND(50)
Naphthalene	NS	NS	NS
Xylenes (total)	ND(50)	ND(50)	ND(50)

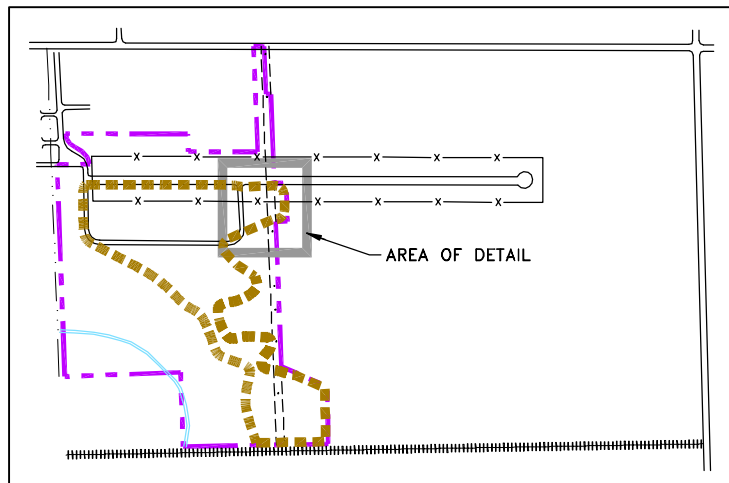
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Inorganics				
Arsenic	1,900	840	1,240	1,320
Cobalt	2,850	1,490	1,460	1,000
Manganese	308,000	132,000	177,000	98,000
Mercury	ND(100)	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	ND(200)	ND(200)	220
Zinc	81,500	4,100	4,900	11,400
SVOCs				
Benzo(a)pyrene	370	ND(330)	ND(330)	ND(330)
Benzo(b)fluoranthene	570	ND(330)	ND(330)	ND(330)
Carbazole	ND(330)	ND(330)	ND(330)	ND(330)
Dibenzofuran	ND(330)	ND(330)	ND(330)	ND(330)
Fluoranthene	760	ND(330)	ND(330)	ND(330)
Fluorene	ND(330)	ND(330)	ND(330)	ND(330)
Naphthalene	ND(330)	ND(330)	ND(330)	ND(330)
Pentachlorophenol	ND(700)	ND(700)	ND(700)	ND(700)
Phenanthrene	600	ND(330)	ND(330)	ND(330)
VOCs				
Ethylbenzene	ND(50)	ND(50)	ND(50)	ND(50)
Naphthalene	NS	NS	NS	NS
Xylenes (total)	ND(50)	ND(50)	ND(50)	ND(50)

MW4-04S012	0 - 2	7 - 8	8 - 10	10 - 11
Inorganics				
Arsenic	1,640	880	1,010	1,040/1,200
Cobalt	2,710	1,410	1,530	1,400/1,600
Manganese	339,000	146,000	143,000	132,000/147,000
Mercury	ND(100)	ND(100)	ND(100)	ND(100)/ND(100)
Selenium	ND(200)	ND(200)	ND(200)	ND(200)/ND(200)
Zinc	56,100	5,600	5,500	5,700/10,800
SVOCs				
Benzo(a)pyrene	620	ND(330)	ND(330)	ND(330)/ND(330)
Benzo(b)fluoranthene	1,040	ND(330)	ND(330)	ND(330)/ND(330)
Carbazole	ND(330)	ND(330)	ND(330)	ND(330)/ND(330)
Dibenzofuran	ND(330)	ND(330)	ND(330)	ND(330)/ND(330)
Fluoranthene	1,300	ND(330)	ND(330)	ND(330)/ND(330)
Fluorene	ND(330)	ND(330)	ND(330)	ND(330)/ND(330)
Naphthalene	ND(330)	ND(330)	ND(330)	ND(330)/ND(330)
Pentachlorophenol	ND(700)	ND(700)	ND(700)	ND(700)/ND(700)
Phenanthrene	740	ND(330)	ND(330)	ND(330)/ND(330)
VOCs				
Ethylbenzene	ND(50)	ND(50)	ND(50)	ND(50)/ND(50)
Naphthalene	NS	NS	NS	NS/NS
Xylenes (total)	ND(50)	ND(50)	ND(50)	ND(50)/ND(50)

MW4-04S05	0 - 2	8 - 10	11 - 13
Inorganics			
Arsenic	580	470	1,110
Cobalt	1,940	1,020	2,150
Manganese	61,300	95,500	148,000
Mercury	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	ND(200)	ND(200)
Zinc	7,700	2,500	8,000
SVOCs			
Benzo(a)pyrene	ND(330)	ND(330)	ND(330)
Benzo(b)fluoranthene	ND(330)	ND(330)	ND(330)
Carbazole	ND(330)	ND(330)	ND(330)
Dibenzofuran	ND(330)	ND(330)	ND(330)
Fluoranthene	ND(330)	ND(330)	ND(330)
Fluorene	ND(330)	ND(330)	ND(330)
Naphthalene	ND(330)	ND(330)	ND(330)
Pentachlorophenol	ND(700)	ND(700)	ND(700)
Phenanthrene	ND(330)	ND(330)	ND(330)
VOCs			
Ethylbenzene	ND(50)	ND(50)	ND(50)
Naphthalene	NS	NS	NS
Xylenes (total)	ND(50)	ND(50)	ND(50)

MW4-04S06	0 - 2	8 - 10	10 - 11
Inorganics			
Arsenic	2,200	2,390	5,230
Cobalt	2,990	2,450	2,790
Manganese	329,000	237,000	357,000
Mercury	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	ND(200)	ND(200)
Zinc	116,000	23,900	27,500
SVOCs			
Benzo(a)pyrene	640	ND(7,000)	ND(330)
Benzo(b)fluoranthene	990	ND(7,000)	ND(330)
Carbazole	ND(330)	ND(7,000)	ND(330)
Dibenzofuran	ND(330)	ND(7,000)	ND(330)
Fluoranthene	1,370	ND(7,000)	ND(330)
Fluorene	ND(330)	ND(7,000)	ND(330)
Naphthalene	ND(330)	ND(7,000)	ND(330)
Pentachlorophenol	ND(700)	ND(7,000)	ND(700)
Phenanthrene	720	ND(7,000)	ND(330)
VOCs			
Ethylbenzene	ND(50)	250	410 (GSP)
Naphthalene	NS	NS	NS
Xylenes (total)	ND(50)	1,570 (GSP)	2,350 (GSP)

MW4-04S010	0 - 2	7 - 8	8 - 10	10 - 11
Inorganics				
Arsenic	1,320	920	1,710	1,960
Cobalt	2,180	1,040	1,050	1,630
Manganese	340,000	72,300	115,000	178,000
Mercury	ND(100)	ND(100)	ND(100)	ND(100)
Selenium	ND(200)	ND(200)	ND(200)	ND(200)
Zinc	57,100	4,300	4,800	17,100
SVOCs				
Benzo(a)pyrene	2,570 (RDC)	ND(330)	ND(330)	ND(400)
Benzo(b)fluoranthene	4,370	ND(330)	ND(330)	ND(400)
Carbazole	ND(330)	ND(330)	ND(330)	ND(400)
Dibenzofuran	ND(330)	ND(330)	ND(330)	ND(400)
Fluoranthene	7,650 (GSP)	ND(330)	ND(330)	ND(400)
Fluorene	ND(330)	ND(330)	ND(330)	ND(400)
Naphthalene	ND(330)	ND(330)	ND(330)	ND(400)
Pentachlorophenol	ND(700)	ND(700)	ND(700)	ND(700)
Phenanthrene	1,600	ND(330)	ND(330)	ND(400)
VOCs				
Ethylbenzene	ND(50)	ND(50)	ND(50)	ND(50)
Naphthalene	NS	NS	NS	NS
Xylenes (total)	ND(50)	ND(50)	ND(50)	ND(50)



NOT TO SCALE

LEGEND:

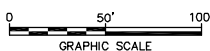
- PROPERTY RETAINED BY GM
- APPROXIMATE EXTENT OF FILL AREA
- ROAD
- FENCE
- SANITARY SEWER MANHOLE
- APPROXIMATE LOCATION OF SANITARY SEWER EASEMENT
- MW4-04S05 SOIL BORING (5/04)
- MW4-04 TEMPORARY MONITORING WELL (4/04)
- CONSTITUENT CONCENTRATION EXCEEDS SCREENING CRITERIA

MICHIGAN PART 201 GENERIC SCREENING CRITERIA FOR SOILS

- RDC - RESIDENTIAL DIRECT CONTACT
- IDWP - INDUSTRIAL DRINKING WATER PROTECTION
- GSIP - GROUNDWATER-SURFACE WATER INTERFACE PROTECTION
- C4DC - COMMERCIAL IV DIRECT CONTACT

NOTES:

- 2003/2004 SAMPLING LOCATIONS COMPLETED BY BBL WERE SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC; HOWEVER, ALL LOCATIONS ILLUSTRATED ARE APPROXIMATE.
- BASE MAP PROVIDED BY GM.
- ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER KILOGRAM (ug/kg).
- ONLY 2003/2004 DATA ARE PRESENTED.

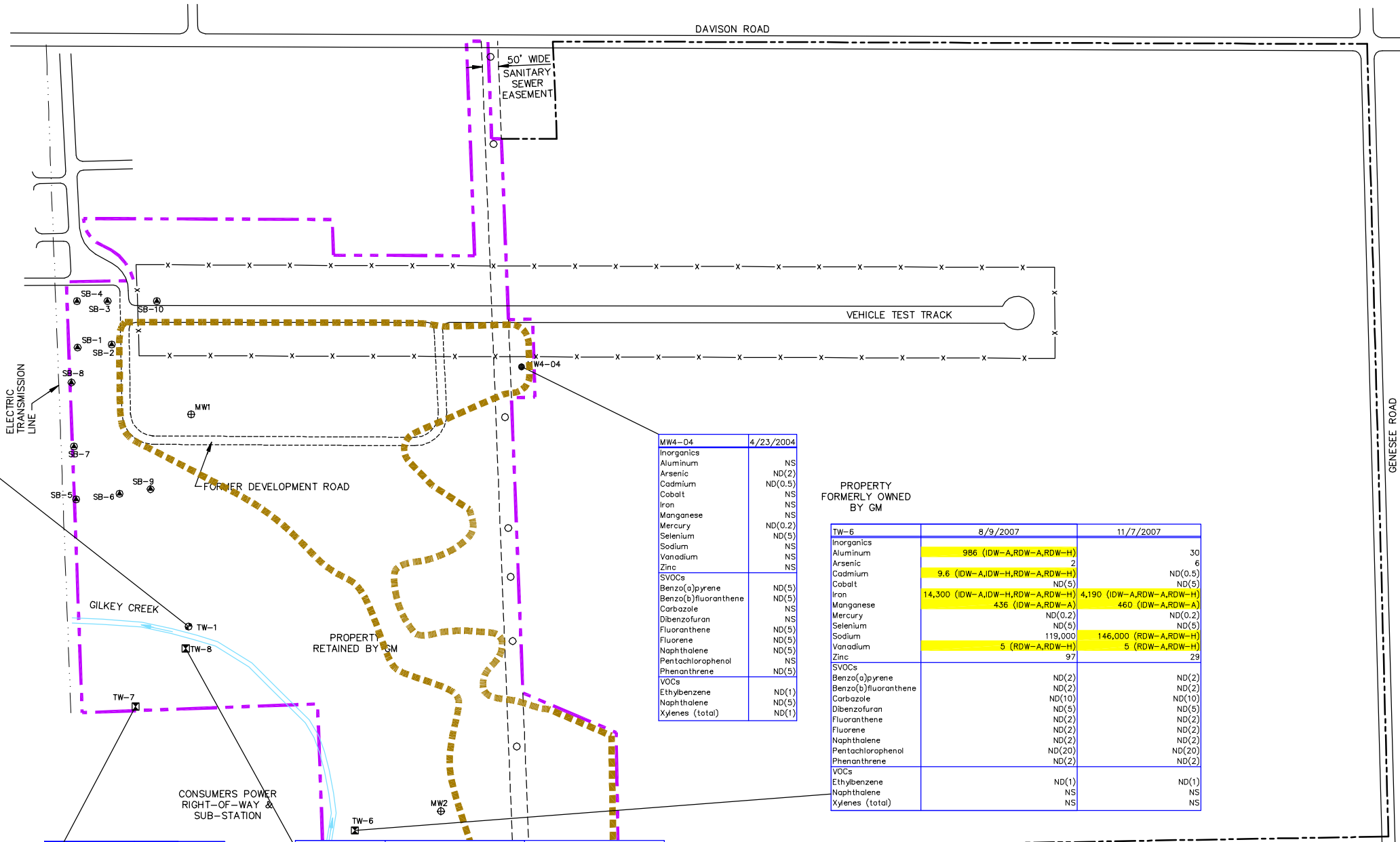


GENERAL MOTORS CORPORATION BURTON, MICHIGAN BURTON 56 PROPERTY FLINT DELPHI EAST FINAL SITE REPORT

SOIL ANALYTICAL DATA MAP

BRI-85-PFS ADF LAYER: ON=*, OFF=*REF*
J: 2007\64448030\6444803.dwg PENTABLE:PLT\FULLCTB PRINTED: 12/20/2007 8:41 AM BY: AFOX
PROJECT NAME: IMAGES:

TW-1	12/29/2003
Inorganics	NS
Aluminum	5
Arsenic	ND(0.5)
Cadmium	ND(10)
Cobalt	NS
Iron	NS
Manganese	1,200 (IDW-A, RDW-A, RDW-H)
Mercury	ND(0.1)
Selenium	ND(5)
Sodium	NS
Vanadium	ND(5)
Zinc	ND(10)
Inorganics-Filtered	
Arsenic	4
Cadmium	ND(0.5)
Cobalt	ND(10)
Manganese	1,200 (IDW-A, RDW-A, RDW-H)
Mercury	ND(0.1)
Selenium	ND(5)
Sodium	ND(5)
Vanadium	ND(5)
Zinc	ND(10)
SVOCs	
Benzo(a)pyrene	ND(5)
Benzo(b)fluoranthene	ND(5)
Carbazole	ND(10)
Dibenzofuran	ND(5)
Fluoranthene	ND(5)
Fluorene	ND(5)
Naphthalene	ND(5)
Pentachlorophenol	ND(20)
Phenanthrene	ND(5)
VOCs	
Ethylbenzene	ND(1)
Naphthalene	NS
Xylenes (total)	ND(1)



MW4-04	4/23/2004
Inorganics	NS
Aluminum	NS
Arsenic	ND(2)
Cadmium	ND(0.5)
Cobalt	NS
Iron	NS
Manganese	NS
Mercury	ND(0.2)
Selenium	ND(5)
Sodium	NS
Vanadium	NS
Zinc	NS
SVOCs	
Benzo(a)pyrene	ND(5)
Benzo(b)fluoranthene	ND(5)
Carbazole	NS
Dibenzofuran	NS
Fluoranthene	ND(5)
Fluorene	ND(5)
Naphthalene	ND(5)
Pentachlorophenol	NS
Phenanthrene	ND(5)
VOCs	
Ethylbenzene	ND(1)
Naphthalene	ND(5)
Xylenes (total)	ND(1)

PROPERTY
FORMERLY OWNED
BY GM

TW-6	8/9/2007	11/7/2007
Inorganics		
Aluminum	986 (IDW-A, RDW-A, RDW-H)	30
Arsenic	2	6
Cadmium	9.6 (IDW-A, IDW-H, RDW-A, RDW-H)	ND(0.5)
Cobalt	ND(5)	ND(5)
Iron	14,300 (IDW-A, IDW-H, RDW-A, RDW-H)	4,190 (IDW-A, RDW-A, RDW-H)
Manganese	436 (IDW-A, RDW-A)	460 (IDW-A, RDW-A)
Mercury	ND(0.2)	ND(0.2)
Selenium	ND(5)	ND(5)
Sodium	119,000	146,000 (RDW-A, RDW-H)
Vanadium	5 (RDW-A, RDW-H)	5 (RDW-A, RDW-H)
Zinc	97	29
SVOCs		
Benzo(a)pyrene	ND(2)	ND(2)
Benzo(b)fluoranthene	ND(2)	ND(2)
Carbazole	ND(10)	ND(10)
Dibenzofuran	ND(5)	ND(5)
Fluoranthene	ND(2)	ND(2)
Fluorene	ND(2)	ND(2)
Naphthalene	ND(2)	ND(2)
Pentachlorophenol	ND(20)	ND(20)
Phenanthrene	ND(2)	ND(2)
VOCs		
Ethylbenzene	ND(1)	ND(1)
Naphthalene	NS	NS
Xylenes (total)	NS	NS

TW-7	8/9/2007	11/7/2007
Inorganics		
Aluminum	26	7
Arsenic	ND(1)	ND(1)
Cadmium	ND(0.5)	ND(0.5)
Cobalt	ND(5)	ND(5)
Iron	150	190
Manganese	27	5
Mercury	ND(0.2)	ND(0.2)
Selenium	ND(5)	ND(5)
Sodium	2,810	2,940
Vanadium	ND(4)	ND(4)
Zinc	18	8
SVOCs		
Benzo(a)pyrene	ND(2)	ND(2)
Benzo(b)fluoranthene	ND(2)	ND(2)
Carbazole	ND(10)	ND(10)
Dibenzofuran	ND(5)	ND(5)
Fluoranthene	ND(2)	ND(2)
Fluorene	ND(2)	ND(2)
Naphthalene	ND(2)	ND(2)
Pentachlorophenol	ND(20)	ND(20)
Phenanthrene	ND(2)	ND(2)
VOCs		
Ethylbenzene	ND(1)	ND(1)
Naphthalene	NS	NS
Xylenes (total)	NS	NS

TW-8	8/9/2007	11/7/2007
Inorganics		
Aluminum	ND(5)	15
Arsenic	17 (IDW-A, IDW-H, RDW-A, RDW-H)	16 (IDW-A, IDW-H, RDW-A, RDW-H)
Cadmium	ND(0.5)	ND(0.5)
Cobalt	ND(5)	ND(5)
Iron	1,510 (IDW-A, RDW-A)	1,510 (IDW-A, RDW-A)
Manganese	182 (IDW-A, RDW-A)	161 (IDW-A, RDW-A)
Mercury	ND(0.2)	ND(0.2)
Selenium	ND(5)	ND(5)
Sodium	7,980	8,350
Vanadium	ND(4)	ND(4)
Zinc	ND(5)	76
SVOCs		
Benzo(a)pyrene	ND(2)	ND(2)
Benzo(b)fluoranthene	ND(2)	ND(2)
Carbazole	ND(10)	ND(10)
Dibenzofuran	ND(5)	ND(5)
Fluoranthene	ND(2)	ND(2)
Fluorene	ND(2)	ND(2)
Naphthalene	ND(2)	ND(2)
Pentachlorophenol	ND(20)	ND(20)
Phenanthrene	ND(2)	ND(2)
VOCs		
Ethylbenzene	ND(1)	ND(1)
Naphthalene	NS	NS
Xylenes (total)	NS	NS

LEGEND

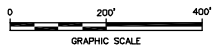
- FORMER PROPERTY BOUNDARY
- PROPERTY RETAINED BY GM
- APPROXIMATE EXTENT OF FILL AREA
- EXISTING ROAD
- RAILROAD
- FENCE
- ELECTRIC TRANSMISSION LINE
- CREEK
- DIRECTION OF CREEK FLOW
- SANITARY SEWER MANHOLE
- SANITARY SEWER EASEMENT
- HISTORICAL OBSERVATION WELL (5/96)
- TEMPORARY MONITORING WELL (12/03)
- TEMPORARY MONITORING WELL (4/04)
- TEMPORARY MONITORING WELL (8/07)
- SOIL BORING (8/07)
- CONSTITUENT CONCENTRATION EXCEEDS SCREENING CRITERIA

MICHIGAN PART 201 GENERIC SCREENING CRITERIA FOR GROUNDWATER

- RDW-A - RESIDENTIAL DRINKING WATER-AESTHETIC
- RDW-H - RESIDENTIAL DRINKING WATER-HEALTH
- IDW-A - INDUSTRIAL DRINKING WATER-AESTHETIC
- IDW-H - INDUSTRIAL DRINKING WATER-HEALTH

NOTES:

- 2003/2004 SAMPLING LOCATIONS COMPLETED BY BBL WERE SURVEYED BY BMJ ENGINEERS & SURVEYORS, INC; HOWEVER, ALL LOCATIONS ILLUSTRATED ARE APPROXIMATE.
- BASE MAP PROVIDED BY GM.
- ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER LITER (ug/L).
- ONLY 2003/2004/2007 DATA ARE PRESENTED.



FLINT DELPHI EAST BURTON, MICHIGAN BURTON 56 PROPERTY FLINT DELPHI EAST FINAL SITE REPORT GROUNDWATER ANALYTICAL DATA MAP

Appendix A

Historical Soil Boring and Well
Construction Logs

Log of Boring B5

PROJECT: *GM Corporation*

PROJECT NO.: *00654-01M-002*

DATE START/FINISH: *3-11-96*

DRILLING METHOD: *4.5-inch ID Hollow Stem Auger*

SAMPLING METHOD: *2 foot by 2-inch Split Barrel Sampler*

DRILLING COMPANY:

LOCATION: *Green Parcel East of Delphi Plant 700*

SURFACE ELEVATION:

INITIAL H2O LEVEL:

STATIC H2O ELEV.:

TOTAL DEPTH: *15 Feet*

LOGGED BY: *(074)*

DEPTH feet	LAB SAMPLE NO	BLOWS/0.5 ft.	PID (relative ppm)		GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
			VALUES	PROFILE				
				0 50				
3	B5-A 3-5'	1 3 3 5	<1			CL	CLAY: soft to medium stiff, moist, yellow brown.	Scattered gravels and construction debris noted on ground surface.
6						SM	SAND: some silt, fine to medium, loose, moist, yellow brown.	
9	B5-B 8-10'	3 3 8 10	<1			CL	CLAY: trace fine sand, silts and fine gravels, stiff, moist, yellow brown.	
12								
15	B5-C 13-15'	2 3 4 5	<1			CL	CLAY: trace fine gravels, stiff, moist, gray.	
18							END OF BORING	
21								

Log of Boring B6

PROJECT: GM Corporation

PROJECT NO.: 00654-OIM-002

DATE START/FINISH: 3-11-96

DRILLING METHOD: 4.5-inch ID Hollow Stem Auger

SAMPLING METHOD: 2 foot by 2-inch Split Barrel Sampler

DRILLING COMPANY:

LOCATION: Green Parcel East of Delphi Plant 700

SURFACE ELEVATION:

INITIAL H2O LEVEL: 13 Feet

STATIC H2O ELEV.:

TOTAL DEPTH: 15 Feet

LOGGED BY: (074)

DEPTH feet	LAB SAMPLE NO	BLOWS/0.5 ft.	PID (relative ppm)		GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
			VALUES	PROFILE				
3	B6-A 3-5'	5 8 7 9	<1			CL	CLAY: some silts, trace fine sands, stiff, damp to moist, yellow brown.	Terminated B6 at 15' because no fill was encountered. Note off-set boring was located to west at B11.
6						SM	SAND: some silt, fine, loose, moist, yellow brown.	
9	B5-B 8-10'	3 4 3 5	<1			CL	CLAY: medium stiff, moist, gray.	
12								
15	B6-C 13-15'	2 3 3 3	<1			ML	SILT: trace clay, soft, with occasional very thin beds of clay, moist to saturated, gray.	
18							END OF BORING	
21								

Log of Boring B8

PROJECT: GM Corporation

PROJECT NO.: 00654-OIM-002

DATE START/FINISH: 3-11-96

DRILLING METHOD: 4.5-inch ID Hollow Stem Auger

SAMPLING METHOD: 2 foot by 2-inch Split Barrel Sampler

DRILLING COMPANY:

LOCATION: Green Parcel East of Delphi Plant 700

SURFACE ELEVATION:

INITIAL H2O LEVEL:

STATIC H2O ELEV.:

TOTAL DEPTH: 20 Feet

LOGGED BY: (074)

DEPTH feet	LAB SAMPLE NO	BLOWS/0.5 ft.	PID (relative ppm)		GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
			VALUES	PROFILE				
3	B8-A 3-5'	2 2 3 4	<1		GP SP	GP SP	Fill gravel and sand.	
6					SC	SC	Fill Sand and Clay, fine sand, loose sand, soft clay, moist, brown black sand in thin beds throughout sample.	
9	B8-B 8-10'	2 2 4 5	<1		SP	SP	Fill Sand, fine, moist, black (apparent foundry sand).	
12					CL	CL	CLAY: trace silt, medium stiff, moist, black gray.	
15	B8-C 13-15'	1 1 1 1	<1		SM ML	SM ML	Sand with silt, fine, very loose, saturated, gray at 14'5" to 14'8", coarse sand with organics, black gray to gray.	
18	B8-D 18-20'	8 12 16 18	<1		ML SM	ML SM	SILT: some fine sand, dense, saturated, gray.	
21							END OF BORING	

Log of Boring B11

PROJECT: GM Corporation

PROJECT NO.: 00654-OIM-002

DATE START/FINISH: 3-11-96

DRILLING METHOD: 4.5-inch ID Hollow Stem Auger

SAMPLING METHOD: 2 foot by 2-inch Split Barrel Sampler

DRILLING COMPANY:

LOCATION: Green Parcel East of Delphi Plant 700

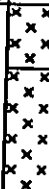
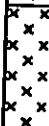
SURFACE ELEVATION:

INITIAL H2O LEVEL:

STATIC H2O ELEV.:

TOTAL DEPTH: 10 Feet

LOGGED BY: (074)

DEPTH feet	LAB SAMPLE NO.	BLOWS/0.5 ft.	PID (relative ppm)		GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
			VALUES	PROFILE				
	B11-A 0-2'	N/A	<1			SM	Fill SAND: little silt, fine, damp, yellow brown.	B11 off-set to west from B6.
						SP	Fill SAND: fine, moist, red brown (apparent foundry sand).	
3	B11-B 3-5'	2 4 4 5	<1			CL	CLAY: some fine sand, medium stiff to stiff, moist, yellow brown.	
9	B11-C 8-10'	4 6 8 10	<1				Gray color change noted at 10 feet. END OF BORING	
12								
15								
18								
21								

Log of Monitoring Well MW1

PROJECT: GM Corporation

PROJECT NO.: 00654-OIM-002

DATE START/FINISH: 3-11-96

DRILLING METHOD: 4.5-inch ID Hollow Stem Auger

SAMPLING METHOD: 2 foot by 2-inch Split Barrel Sampler

DRILLING COMPANY:

LOCATION: Green Parcel East of Delphi Plant 700

SURFACE ELEVATION: 760.84 Feet

INITIAL H2O LEVEL: 11 Feet

STATIC H2O ELEV.: 754.80 Feet (03/15/96)

TOTAL DEPTH: 20 Feet

LOGGED BY: (074)

DEPTH feet	LAB SAMPLE NO.	BLOWS/0.5 ft.	PID (relative ppm)		GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
			VALUES	PROFILE				
3	MW1-A 3-5'	3 3 6 7	<1		CL	CL	Fill Clay, some fine sand, damp, yellow brown.	2" inch dia. PVC Riser Bentonite Chips Concrete Filter Sand 2" inch dia. PVC Screen (0.010-30/1)
6					SP	SP	Fill Sand, fine, loose to medium dense, damp, black, apparent foundry sand, red brick in sample.	
9	MW1-B 8-10'	8 8 10 7	<1		SP	SP	Fill Sand, fine, loose to medium dense, traces of silt, very moist, yellow brown, apparent foundry sand.	
12							Saturated at 11 feet.	
15	MW1-C 13-15'	2 5 9 7	<1		SH ML	SH ML	SILT: some fine sand, with occasional very thin beds of clay, medium stiff, saturated, gray.	
18	MW1-D 18-20'	1 2 2 2	<1		CL	CL	CLAY: little silt, very soft to soft, moist, gray	Filter Sand 2" inch dia. PVC Screen (0.010-30/1)
21							END OF BORING	

Log of Monitoring Well MW2

PROJECT: GM Corporation

PROJECT NO.: 00654-01M-002

DATE START/FINISH: 3-11-96

DRILLING METHOD: 4.5-inch ID Hollow Stem Auger

SAMPLING METHOD: 2 foot by 2-inch Split Barrel Sampler

DRILLING COMPANY:

LOCATION: Green Parcel East of Delphi Plant 700

SURFACE ELEVATION: 764.23 Feet

INITIAL H2O LEVEL: 11 Feet

STATIC H2O ELEV.: 754.22 Feet (03/15/96)

TOTAL DEPTH: 20 Feet

LOGGED BY: (074)

DEPTH feet	LAB SAMPLE NO	BLOWS/0.5 ft.	PID (relative ppm)		GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
			VALUES	PROFILE				
3	MW2-A 3-5'	10 10 9 11	<1			SP	Fill Sand, some gravels, (apparent slag material) yellow brown, black, red brown.	
6								
9		42 24 11 5					No sample return, driving concrete in split barrel sampler. Drilled through concrete from 8-10'.	
12								
15	MW2-B 14-18'	2 2 2 2 2 2 1 1	<1			ML SM	SILT and SAND: fine to medium, trace fine gravels, wood debris, saturated, gray. No sample return from 13 to 15 feet.	
18	MW2-C 18-20'	1 3 4 2	<1			CL	CLAY: trace silt, and fine gravels, soft to medium stiff, moist, gray.	
21							END OF BORING	

Appendix B

Historical Data Summary

TABLE 1

SUMMARY OF ELEVATION AND POTENTIOMETRIC SURFACE FIELD DATA

Sample Date: March 15, 1996

Well ID	Ground Level Elevation	Top of Casing Elevation	Total Well Depth *	Bottom of Screen Elevation	Date: 3/15/96	
					SWL*	GWE
MW1	760.84	763.13	15.75	747.38	8.33	754.80
MW2	764.23	766.55	17.97	748.58	12.33	754.22

Elevations in feet relative to NGVD

SWL - Static Water Level

GWE - Groundwater Elevation

* Measured from top of casing

TABLE 2

SUMMARY OF TOTAL METAL LABORATORY RESULTS - SOIL
Sample Dates: March 11 and 12, 1996

Sample ID	Sample Depth (BGL)	Soil Type	Concentrations (mg/kg) Reported Above Method Detection Limits							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
MW1-A	3-5	Foundry Sand	0.71	6.3	<0.05	6.7	1.9	<0.10	<0.50	<0.20
MW1-D	18-20	Clay	5.57	52.9	0.13	18.8	7.4	<0.10	<0.50	<0.20
MW2-A	3-5	Fill Sand	2.70	94.7	0.81	90.0	172	<0.10	<0.50	<0.20
MW2-C	18-20	Clay	6.51	55.4	0.18	10.3	7.6	<0.10	<0.50	0.57
										0.27
B5-C	8-10	Clay	3.83	31.0	<0.05	6.1	4.1	<0.10	<0.50	
B8-B	8-10	Foundry Sand	0.92	7.5	0.85	3.4	8.0	<0.10	<0.50	0.31
B8-D*	18-20	Silt	6.86	8.5	<0.05	3.5	2.6	<0.10	<0.50	<0.20
										<0.20
B11-A	0-2	Foundry Sand	<0.50	6.7	<0.05	10.7	4.5	<0.10	<0.50	<0.20
B11-C	8-10	Clay	2.29	38.4	0.40	23.7	8.0	<0.10	<0.50	<0.20
Established Area Background Values ¹			3.2-13	55-100	1.2-5.6	8.4-17	21-46	.02-.28	.08-1.4	1.1-2.8
Residential Direct Contact Values ²			5.5	30,000	210	2,000	400	130	2,100	2,000

¹ MDEQ Guidance Document for Verification of Soil Remediation: Mean Plus 3 Standard Deviation Approach. Reference documents: May 5, 1992 *Hazardous Waste Storage Area Partial Closure Report and Certification* (report for Delphi Energy & Engine Management Systems, Plant 7), and December 9, 1993 *Averill Avenue Complex, Plant 6 Hazardous Waste Storage Area Closure Assessment Report, Certification, and Interim Response Program*

² MDEQ Interim Environmental Response Division Operational Memorandum #8, Revision 4 (June 5, 1995)

BGL - Feet Below Grade Level

* Saturated Soil Sample

■ Above Established Area Background Values, but Below MDEQ Residential Direct Contact Values

TABLE 3

SUMMARY OF PNA LABORATORY RESULTS - SOIL
Sample Dates: March 11 and 12, 1996

Sample ID	Sample Depth (BGL)	Soil Type	Concentrations (µg/kg)								
			Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Fluoranthene	Phenanthrene	Pyrene	2-Methyl-naphthalene
MW1-A	3-5	Foundry Sand	<330	<330	<330	<330	<330	<330	<330	<330	<330
MW1-D	18-20	Clay	<330	<330	<330	<330	<330	<330	<330	<330	<330
MW2-A	3-5	Fill Sand	1,700	1,700	1,800	1,500	1,700	2,900	1,300	2,200	<1,200
MW2-C	18-20	Clay	<330	<330	<330	<330	<330	<330	<330	<330	<330
B5-C	8-10	Clay	<330	<330	<330	<330	<330	<330	<330	<330	<330
B8-B	8-10	Foundry Sand	<330	<330	<330	<330	<330	<330	<330	<330	<330
B8-D*	18-20	Silt	<330	<330	<330	<330	<330	<330	<330	<330	810
											<330
B11-A	0-2	Foundry Sand	<330	<330	<330	<330	<330	<330	<330	<330	<330
B11-C	8-10	Clay	<330	<330	<330	<330	<330	<330	<330	<330	<330
20 X Drinking Water Values ¹			E	E	E	E	E	18,000	520	11,000	ID
20 X GSI Values ¹			E	E	E	E	E	7,400	B	2.2E+5	B
Residential Direct Contact Values ¹			14,000	1,400	14,000	1.4E+5	1.4E+6	5.1E+7	1.5E+6	3.2E+7	ID

¹ MDEQ Interim Environmental Response Division Operational Memorandum #8, Revision 4 (June 5, 1995)

B - GSI not developed

E - Not expected to leach to groundwater

ID - Inadequate data to develop criteria

GSI - Groundwater Surface Water Interface

BGL - Feet Below Grade Level

* Saturated Soil Sample

☐ Above Direct Contact Criteria

Note: Results presented only for contaminants reported at detectable levels above the Method Detection Limit (MDL).

TABLE 4

SUMMARY OF METAL, VOC, AND SVOC LABORATORY RESULTS - GROUNDWATER
Concentrations ($\mu\text{g/l}$)

Sample Date: March 15, 1996

Sample ID	Screen Interval (BGL)	Screen Interval Soil Type	METALS		VOC	SVOC
			Barium MDL = 10 $\mu\text{g/l}$	Chromium MDL = 10 $\mu\text{g/l}$	p,m-Xylene MDL = 1 $\mu\text{g/l}$	Di-n-octyl phthalate MDL = 10 $\mu\text{g/l}$
MW1	8.5-13.5	Foundry Sand/Native Silt	150	10	<1	<10
MW2	10.7-15.7	Fill Sand/Native Silt & Sand	230	20	<1	<10
Drinking Water Values ¹			2,000	100	280	130
GSI Value ¹			630	77	59	B

¹ MDEQ Interim Environmental Response Division Operational Memorandum #8, Revision 4 (June 5, 1995)
 BGL - Feet Below Grade Level

 Above Cleanup Criteria Values

B - GSI value not developed

Note: Results presented only for contaminants reported at detectable levels above the Method Detection Limit (MDL).

TABLE 5**SUMMARY OF PHYSICAL GROUNDWATER RESULTS****Temperature, pH, and Conductivity****Sample Date: March 15, 1996**

Sample ID	Screen Interval (BGL)	Screen Interval Soil Type	Temperature (°C)	pH	Conductivity (us/cm)
MW1	8.5-13.5	Foundry Sand/Native Silt	6	7.08	810
MW2	10.7-15.7	Fill Sand/Native Silt & Sand	9	7.18	1570

BGL - Feet Below Grade Level

ARCADIS

Appendix C

2003-2007 Soil Boring/Well
Construction Logs

Date Start/Finish: 5/7/04 Drilling Company: Prosonic Driller's Name: Andrew Roberts Drilling Method: Direct-Push Sampler Size:	Northing: 558604.12 Easting: 13321608.55 Casing Elevation: Borehole Depth: 15' below grade Surface Elevation: 760.75 Descriptions By: James Kralik	Boring ID: MW4-04SO3 Client: General Motors Corporation Location: Flint Delphi East Burton, MI

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Boring Construction
0	760	1	0-5			SC		Brown to yellowish-brown CLAYEY SAND, reworked native.		
5	755	2	5-10			SP		Pale brown to yellowish-brown fine SAND.		
10	750	3	10-15					No recovery due to saturated interval starting at 10' bgs. Saturated yellow-brown SAND in liner.		Backfilled to ground surface with bentonite chip
15										



Remarks: bgs = below ground surface
ppm = parts per million

Boring ID: MW4-04SO4

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO5
Client: General Motors Corporation
Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

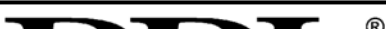
Boring ID: MW4-04SO6
Client: General Motors Corporation
Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO7

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO8

Client: General Motors Corporation

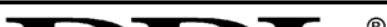
Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO9

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO10

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO11

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO12

Client: General Motors Corporation

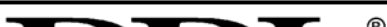
Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Boring ID: MW4-04SO13

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BBL[®] <u>BLASLAND, BOUCK & LEE, INC.</u> <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Date Start/Finish: 5/7/04 Drilling Company: Prosonic Driller's Name: Andrew Roberts Drilling Method: Direct-Push Sampler Size:	Northing: 558515.77 Easting: 13321535.55 Casing Elevation: Borehole Depth: 15' below grade Surface Elevation: 762.71 Descriptions By: James Kralik	Boring ID: MW4-04SO14 Client: General Motors Corporation Location: Flint Delphi East Burton, MI

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Boring Construction
765										
0										
760		1	0-5	5		CL		Brown to yellowish-brown SANDY CLAY.		
5										
755		2	5-10	5				Yellowish-brown fine SAND.		
10										
750		3	10-15	5		SP		Saturated at 12 feet bgs.		
15										

	Remarks: bgs = below ground surface ppm = parts per million BG - Background

Date Start/Finish: 5/7/04 Drilling Company: Prosonic Driller's Name: Andrew Roberts Drilling Method: Direct-Push Sampler Size:	Northing: 558571.66 Easting: 13321512.51 Casing Elevation: Borehole Depth: 15' below grade Surface Elevation: 761.95 Descriptions By: James Kralik	Boring ID: MW4-04SO15 Client: General Motors Corporation Location: Flint Delphi East Burton, MI

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Boring Construction
0										
760		1	0-5	3				FILL - Brown to yellowish-brown SANDY CLAY/CLAYEY SAND, some subangular fine to medium Gravel, little Silt, Brick trace and Concrete debris present, no apparent odor, medium dense, damp.		
5										
755		2	5-10	4		SP		Yellowish-brown to pale brown fine SAND, trace Silt, damp.		
10										
750		3	10-15	5		SM		Yellowish brown fine SAND.		
						CL		Pale brown SILTY SAND, very fine to fine grained, loose, damp.		
								Gray SILTY CLAY.		
						SP		Yellowish-brown medium SAND with some orange staining.		
15										

Remarks: bgs = below ground surface

 ppm = parts per million
 BG - Background

Boring ID: MW4-04SO16

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BLASLAND, BOUCK & LEE, INC. <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million

Boring ID: MW4-04SO17

Client: General Motors Corporation

Location: Flint Delphi East
Burton, MI

 BLASLAND, BOUCK & LEE, INC. <i>engineers, scientists, economists</i>	Remarks: bgs = below ground surface ppm = parts per million

Date Start/Finish: 12/11/03 Drilling Company: Prosonic Corporation Driller's Name: Dan O'Mara Drilling Method: Direct Push Sampler Size: 5-foot	Northing: 557778.58 Easting: 13320584.75 Casing Elevation: 755.92 Borehole Depth: 15' Surface Elevation: 752.96 Descriptions By: Wayne Patterson	Boring ID: TW-1 Client: General Motors Corporation Location: Flint Delphi East Burton, MI

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Boring Construction
755										
0										
		1	0-5'	4	0.0	ML		Very dark brown 10 YR 2/2 SILT (ML), medium dense, roots, organic, no odor, damp, topsoil.		
750						CL		Dark Yellow Brown 10 YR 4/4 slightly plastic, SILTY CLAY (CL), few fine to coarse subrounded Sand, damp, no odor, medium stiff, native.		Bentonite Seal (0 - 6.0' bgs)
5						SP		Brown 10 YR 5/3 fine to medium subangular to subrounded SAND (SP), no odor, dry, loose.		1" PVC Riser (3.0' ags - 7.0' bgs)
		2	5-10'	4	0.0	SP		Yellow brown 10 YR 5/4 fine to coarse subrounded SAND and GRAVEL (SP), few Silt, saturated, loose, no odor.		
745						GM		Dark gray 10 YR 4/1 fine to coarse subrounded SILTY SAND and GRAVEL (GM), saturated, no odor, medium dense.		Sand Pack (6.0' - 12.5' bgs)
10						ML		Dark gray 10 YR 4/1 SILT (ML), medium dense, saturated.		1" PVC Screen (7.0' - 12.0' bgs)
		3	10-15'	4.5	0.0	ML				Natural Collapse (12.5' - 15.0' bgs)
740										
15										

	Remarks: bgs = below ground surface ppm = parts per million

Date Start/Finish: 8/07/07 Drilling Company: Boart Longyear Driller's Name: Dan O'Mara Drilling Method: Direct Push Sampler Size: 5-foot	Northing: 557152.58 Easting: 13321095.59 Casing Elevation: 756.46 Borehole Depth: 15' Surface Elevation: 753.94 Descriptions By: Wayne Patterson	Boring ID: TW-6 Client: General Motors Corporation Location: Flint Delphi East Burton, MI

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Boring Construction
755									
750		1	0-5'	3.5	0.0	ML		Grayish brown SILT, trace fine Gravel, nonplastic, soft to medium stiff, dry, no odor, roots, topsoil.	Bentonite Seal (0 - 6.0' bgs)
745		2	5-10'	4	0.0			Dark gray with brown mottling LEAN CLAY, trace fine to coarse Sand, medium stiff, medium plasticity, dry, no odor.	1" PVC Riser (3.0' ags - 8.0' bgs)
740		3	10-15'	5	0.0	CL		Little to some fine to coarse Sand, wet.	Sand Pack (6 - 13.0' bgs)
735								No Sand, high plasticity, soft.	1" PVC Screen (8.0 - 13.0' bgs)
730									Natural Collapse (13.0' - 15.0' bgs)



Remarks: bgs = below ground surface
 ppm = parts per million

Date Start/Finish: 8/8/07
 Drilling Company: Boart Longyear
 Driller's Name: Dan O'Mara
 Drilling Method: Direct Push
 Sampler Size: 5-foot

Northing: 557533.00
 Easting: 13320422.33
 Casing Elevation: 760.28

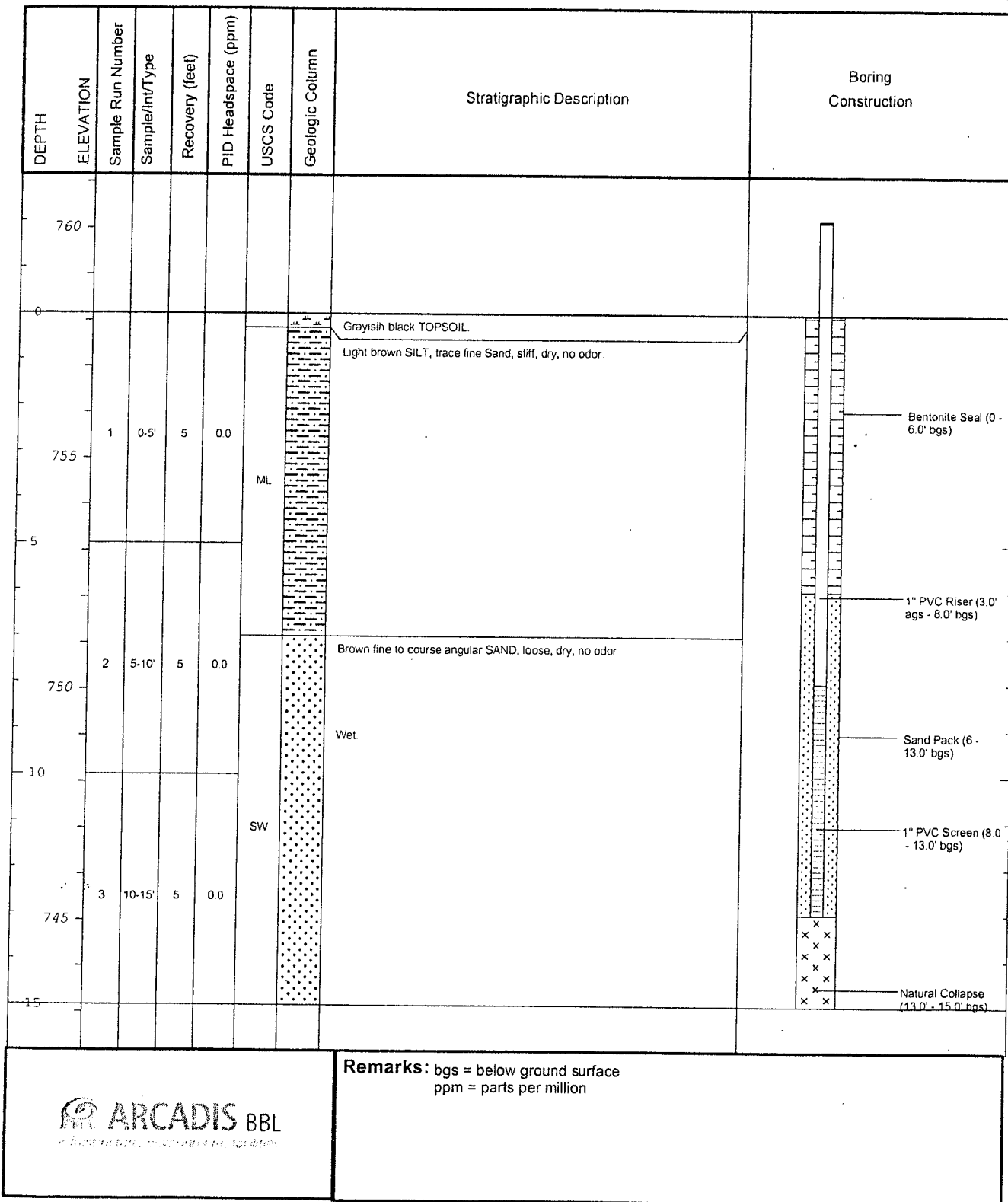
Borehole Depth: 15'
 Surface Elevation: 758.16

Descriptions By: Wayne Patterson

Boring ID: TW-7

Client: General Motors Corporation

Location: Flint Delphi East
 Burton, MI



Date Start/Finish: 8/8/07 Drilling Company: Boart Longyear Driller's Name: Dan O'Mara Drilling Method: Direct Push Sampler Size: 5-foot	Northing: 557711.75 Easting: 13320575.91 Casing Elevation: 757.56 Borehole Depth: 15' Surface Elevation: 753.41 Descriptions By: Wayne Patterson	Boring ID: TW-8 Client: General Motors Corporation Location: Flint Delphi East Burton, MI

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Boring Construction
755									
0								Grayish brown SILT, trace fine angular Sand, stiff, dry, no odor.	
750		1	0-5'	5	0.0	ML			Bentonite Seal (0 - 6.0' bgs)
5									1" PVC Riser (3.0' ags - 8.0' bgs)
745		2	5-10'	5	0.0	GP		Dark gray fine to medium angular Gravel, trace fine to coarse angular Sand, wet, loose, no odor.	Sand Pack (6 - 13.0' bgs)
10									1" PVC Screen (8.0 - 13.0' bgs)
740		3	10-15'	5	0.0	CL		Dark gray CLAY, trace Silt, high plasticity, wet, soft, no odor.	
15									Natural Collapse (13.0' - 15.0' bgs)



Remarks: bgs = below ground surface
ppm = parts per million

Appendix D

Laboratory Analytical Data (Attached
CD)



Analytical Laboratory Report

Report ID: S15501.01(01)

Generated on 01/16/2004

Report to

Attention: Mr. John McKenna

Blasland, Bouck & Lee, Inc.

1920 Opdyke Court Suite 200

Auburn Hills, MI 48326

Phone: 248-377-9162 x. 108 FAX: 248-377-9413

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S15501.01-S15501.15

Project: Flint Delphi East

Submitted Date/Time: 12/12/2003 16:00

Sampled by: WP

P.O. #:

Report Notes

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

Results relate only to items tested.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S15501.01

Sample Tag: TW-1 (0-2)

Collected Date/Time: 12/11/2003 11:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	5.2	2
1	8 oz Glass	None	Yes	5.2	2

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	12/15/03	SD		
Extraction, PCB	Completed			3550B	12/15/03	JKB		
Mercury Digestion	Completed			7471A	12/15/03	CHD		
Metal Digestion	Completed			3050B	12/16/03	MSH		

Inorganics

Total Solids	76	%	1	160.3	12/18/03	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	12/23/03	PER	7440-36-0	
Barium	69.9	mg/kg	1.0	6020	12/23/03	PER	7440-39-3	
Cadmium	0.37	mg/kg	0.05	6020	12/23/03	PER	7440-43-9	
Copper	14.2	mg/kg	1.0	6020	12/23/03	PER	7440-50-8	
Lead	19.4	mg/kg	1.0	6020	12/23/03	PER	7439-92-1	
Mercury	0.11	mg/kg	0.10	7471M	12/22/03	CHD	7439-97-6	
Nickel	5.94	mg/kg	0.50	6020	12/23/03	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	12/23/03	PER	7440-22-4	
Vanadium	13.7	mg/kg	0.50	6020	12/23/03	PER	7440-62-2	
Zinc	28.3	mg/kg	1.0	6020	12/23/03	PER	7440-66-6	
Arsenic	7.90	mg/kg	0.10	6020	12/23/03	PER	7440-38-2	
Beryllium	0.36	mg/kg	0.10	6020	12/23/03	PER	7440-41-7	
Cobalt	2.60	mg/kg	0.50	6020	12/23/03	PER	7440-48-4	
Chromium	5.83	mg/kg	0.50	6020	12/23/03	PER	7440-47-3	
Manganese	149	mg/kg	0.50	6020	12/23/03	PER	7439-96-5	
Selenium	0.56	mg/kg	0.20	6020	12/23/03	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	12/23/03	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	2,800	ug/kg	1,000	5035/8260B	12/24/03	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	5035/8260B	12/24/03	JGH	78-93-3	
Benzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-27-4	
Bromoform	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-00-3	
Chloroform	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S15501.01 (continued)

Sample Tag: TW-1 (0-2)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	541-73-1	
1,4-Dichlorobenzene	20	ug/kg	70	5035/8260B	12/24/03	JGH	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	10061-02-6	
Ethylbenzene	20	ug/kg	70	5035/8260B	12/24/03	JGH	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-09-2	
Styrene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	79-00-5	
1,2,4-Trichlorobenzene	30	ug/kg	100	5035/8260B	12/24/03	JGH	120-82-1	BJ
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	127-18-4	
Toluene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	12/29/03	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	12/29/03	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	12/29/03	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	12/29/03	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	101-55-3	
di-n-Butyl phthalate	30	ug/kg	330	8270C	12/29/03	ARH	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	12/29/03	ARH	100-52-7	
Benzo(a)anthracene	8	ug/kg	330	8270C	12/29/03	ARH	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S15501.01 (continued)

Sample Tag: TW-1 (0-2)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	12/29/03	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	12/29/03	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	12/29/03	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	12/29/03	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	12/29/03	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	12/29/03	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	12/29/03	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	12/29/03	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	117-81-7	
Fluoranthene	10	ug/kg	330	8270C	12/29/03	ARH	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	12/29/03	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	12/29/03	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	12/29/03	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	12/29/03	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	12/29/03	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	12/29/03	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	12/29/03	ARH	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S15501.01 (continued)

Sample Tag: TW-1 (0-2)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	88-06-2	
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	12/16/03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	12/16/03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	12/16/03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	12/16/03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	12/16/03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	12/16/03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	12/16/03	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	12/16/03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	12/16/03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	12/16/03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	12/16/03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	12/16/03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	12/16/03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	12/16/03	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S15501.02
Sample Tag: TW-1 (5.5-7.5)
Collected Date/Time: 12/11/2003 11:05
Matrix: Soil
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	5.2	2
1	8 oz Glass	None	Yes	5.2	2

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	12/15/03	SD		
Extraction, PCB	Completed			3550B	12/15/03	JKB		
Mercury Digestion	Completed			7471A	12/15/03	CHD		
Metal Digestion	Completed			3050B	12/16/03	MSH		

Inorganics

Total Solids	90	%	1	160.3	12/18/03	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	12/23/03	PER	7440-36-0	
Barium	10.1	mg/kg	1.0	6020	12/23/03	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	12/23/03	PER	7440-43-9	
Copper	3.6	mg/kg	1.0	6020	12/23/03	PER	7440-50-8	
Lead	2.2	mg/kg	1.0	6020	12/23/03	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	12/22/03	CHD	7439-97-6	
Nickel	2.48	mg/kg	0.50	6020	12/23/03	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	12/23/03	PER	7440-22-4	
Vanadium	2.72	mg/kg	0.50	6020	12/23/03	PER	7440-62-2	
Zinc	7.1	mg/kg	1.0	6020	12/23/03	PER	7440-66-6	
Arsenic	1.81	mg/kg	0.10	6020	12/23/03	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.10	6020	12/23/03	PER	7440-41-7	
Cobalt	1.60	mg/kg	0.50	6020	12/23/03	PER	7440-48-4	
Chromium	1.93	mg/kg	0.50	6020	12/23/03	PER	7440-47-3	
Manganese	46.6	mg/kg	0.50	6020	12/23/03	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	12/23/03	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	12/23/03	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	12/24/03	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	12/24/03	JGH	78-93-3	
Benzene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	75-27-4	
Bromoform	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-00-3	
Chloroform	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S15501.02 (continued)

Sample Tag: TW-1 (5.5-7.5)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	10061-02-6	
Ethylbenzene	10	ug/kg	60	5035/8260B	12/24/03	JGH	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-09-2	
Styrene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	127-18-4	
Toluene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	60	5035/8260B	12/24/03	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	12/29/03	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	12/29/03	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	12/29/03	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	12/29/03	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	101-55-3	
di-n-Butyl phthalate	20	ug/kg	330	8270C	12/29/03	ARH	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	12/29/03	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	56-55-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S15501.02 (continued)

Sample Tag: TW-1 (5.5-7.5)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	12/29/03	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	12/29/03	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	12/29/03	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	12/29/03	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	12/29/03	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	12/29/03	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	12/29/03	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	12/29/03	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	12/29/03	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	12/29/03	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	12/29/03	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	12/29/03	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	12/29/03	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	12/29/03	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	12/29/03	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	117-84-0	



Analytical Laboratory Report

Lab Sample ID: S15501.02 (continued)

Sample Tag: TW-1 (5.5-7.5)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	88-06-2	
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	12/16/03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	12/16/03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	12/16/03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	12/16/03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	12/16/03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	12/16/03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	12/16/03	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	12/16/03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	12/16/03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	12/16/03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	12/16/03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	12/16/03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	12/16/03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	12/16/03	JANB	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S15501.03

Sample Tag: Dup-01

Collected Date/Time: 12/11/2003 :

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	5.2	2
1	8 oz Glass	None	Yes	5.2	2

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	12/15/03	SD		
Extraction, PCB	Completed			3550B	12/15/03	JKB		
Mercury Digestion	Completed			7471A	12/15/03	CHD		
Metal Digestion	Completed			3050B	12/16/03	MSH		

Inorganics

Total Solids	75	%	1	160.3	12/18/03	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	12/23/03	PER	7440-36-0	
Barium	71.3	mg/kg	1.0	6020	12/23/03	PER	7440-39-3	
Cadmium	0.45	mg/kg	0.05	6020	12/23/03	PER	7440-43-9	
Copper	14.1	mg/kg	1.0	6020	12/23/03	PER	7440-50-8	
Lead	20.1	mg/kg	1.0	6020	12/23/03	PER	7439-92-1	
Mercury	0.11	mg/kg	0.10	7471M	12/22/03	CHD	7439-97-6	
Nickel	6.18	mg/kg	0.50	6020	12/23/03	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	12/23/03	PER	7440-22-4	
Vanadium	14.1	mg/kg	0.50	6020	12/23/03	PER	7440-62-2	
Zinc	30.9	mg/kg	1.0	6020	12/23/03	PER	7440-66-6	
Arsenic	8.25	mg/kg	0.10	6020	12/23/03	PER	7440-38-2	
Beryllium	0.36	mg/kg	0.10	6020	12/23/03	PER	7440-41-7	
Cobalt	2.72	mg/kg	0.50	6020	12/23/03	PER	7440-48-4	
Chromium	5.95	mg/kg	0.50	6020	12/23/03	PER	7440-47-3	
Manganese	287	mg/kg	0.50	6020	12/23/03	PER	7439-96-5	
Selenium	0.73	mg/kg	0.20	6020	12/23/03	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	12/23/03	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	1,000	5035/8260B	12/24/03	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	5035/8260B	12/24/03	JGH	78-93-3	
Benzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-27-4	
Bromoform	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-00-3	
Chloroform	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S15501.03 (continued)

Sample Tag: Dup-01

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	10061-02-6	
Ethylbenzene	20	ug/kg	70	5035/8260B	12/24/03	JGH	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	12/24/03	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	12/24/03	JGH	75-09-2	
Styrene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	127-18-4	
Toluene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	12/24/03	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	70	5035/8260B	12/24/03	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	12/29/03	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	12/29/03	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	12/29/03	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	12/29/03	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	101-55-3	
di-n-Butyl phthalate	20	ug/kg	330	8270C	12/29/03	ARH	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	12/29/03	ARH	100-52-7	
Benzo(a)anthracene	9	ug/kg	330	8270C	12/29/03	ARH	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S15501.03 (continued)

Sample Tag: Dup-01

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	12/29/03	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	12/29/03	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	12/29/03	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	12/29/03	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	12/29/03	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	12/29/03	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	12/29/03	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	12/29/03	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	12/29/03	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	12/29/03	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	30	ug/kg	330	8270C	12/29/03	ARH	117-81-7	J
Fluoranthene	10	ug/kg	330	8270C	12/29/03	ARH	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	12/29/03	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	12/29/03	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	12/29/03	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	12/29/03	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	12/29/03	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	12/29/03	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	12/29/03	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	12/29/03	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	12/29/03	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	12/29/03	ARH	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S15501.03 (continued)

Sample Tag: Dup-01

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	12/29/03	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	12/29/03	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	12/29/03	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	12/29/03	ARH	88-06-2	
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/kg	330	8082	12/16/03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	12/16/03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	12/16/03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	12/16/03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	12/16/03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	12/16/03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	12/16/03	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/kg	330	8082	12/16/03	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	12/16/03	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	12/16/03	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	12/16/03	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	12/16/03	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	12/16/03	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	12/16/03	JANB	11096-82-5	



Analytical Laboratory Report

Preliminary Report

Report ID: S15630.01(01)

Generated on 01/23/2004

Report to

Attention: Mr. John McKenna

Blasland, Bouck & Lee, Inc.

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Report produced by

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Report Summary

Lab Sample ID(s): S15630.01-S15630.03

Project: Flint - Delphi East

Submitted Date/Time: 12/30/2003 15:00

Sampled by: DS

P.O. #:

Report Notes

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

Results relate only to items tested.

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A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.02
Sample Tag: TW1 (122903)
Collected Date/Time: 12/29/2003 14:15
Matrix: Groundwater
COC Reference: 015226

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	1 L Amber	None	Yes	4.9	2
2	125ml Plastic	NaOH	Yes	4.9	2
2	40 ml Glass	HCL	Yes	4.9	2

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	12/30/03	SD		
Extraction, PCB	Completed			3510C	12/31/03	TAS		
Mercury Digestion	Completed			7470A	01/06/04	RJV		
Metal Digestion	Completed			3015A	01/05/04	MSH		

Metals

Silver	Not detected	mg/L	0.0005	6020	01/22/04	BJK	7440-22-4	O
Silver, Dissolved	Not detected	mg/L	0.0005	6020	01/22/04	BJK	7440-22-4	O
Arsenic	0.005	mg/L	0.002	6020	01/22/04	BJK	7440-38-2	O
Arsenic, Dissolved	0.004	mg/L	0.002	6020	01/22/04	BJK	7440-38-2	O
Barium	0.30	mg/L	0.01	6020	01/22/04	BJK	7440-39-3	O
Barium, Dissolved	0.30	mg/L	0.01	6020	01/22/04	BJK	7440-39-3	O
Beryllium	Not detected	mg/L	0.001	6020	01/22/04	BJK	7440-41-7	O
Beryllium	Not detected	mg/L	0.001	6020	01/22/04	BJK	7440-41-7	O
Cadmium	Not detected	mg/L	0.0005	6020	01/22/04	BJK	7440-43-9	O
Cadmium, Dissolved	Not detected	mg/L	0.0005	6020	01/22/04	BJK	7440-43-9	O
Cobalt	Not detected	mg/L	0.010	6020	01/22/04	BJK	7440-48-4	O
Cobalt	Not detected	mg/L	0.010	6020	01/22/04	BJK	7440-48-4	O
Chromium	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-47-3	O
Chromium, Dissolved	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-47-3	O
Copper	Not detected	mg/L	0.01	6020	01/22/04	BJK	7440-50-8	O
Copper, Dissolved	Not detected	mg/L	0.01	6020	01/22/04	BJK	7440-50-8	O
Mercury	Not detected	mg/L	0.0001	245.1M	01/09/04	RJV	7439-97-6	
Mercury, Dissolved	Not detected	mg/L	0.0001	245.1M	01/09/04	RJV	7439-97-6	
Manganese	1.20	mg/L	0.020	6020	01/22/04	BJK	7439-96-5	O
Manganese	1.20	mg/L	0.020	6020	01/22/04	BJK	7439-96-5	O
Nickel	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-02-0	O
Nickel	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-02-0	O
Lead	Not detected	mg/L	0.003	6020	01/22/04	BJK	7439-92-1	O
Lead, Dissolved	Not detected	mg/L	0.003	6020	01/22/04	BJK	7439-92-1	O
Antimony, Dissolved	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-36-0	O
Antimony	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-36-0	O
Selenium	Not detected	mg/L	0.005	6020	01/22/04	BJK	7782-49-2	O
Selenium, Dissolved	Not detected	mg/L	0.005	6020	01/22/04	BJK	7782-49-2	O
Thallium	Not detected	mg/L	0.001	6020	01/22/04	BJK	7440-28-0	O
Thallium	Not detected	mg/L	0.001	6020	01/22/04	BJK	7440-28-0	O
Vanadium	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-62-2	O
Vanadium	Not detected	mg/L	0.005	6020	01/22/04	BJK	7440-62-2	O
Zinc	Not detected	mg/L	0.01	6020	01/22/04	BJK	7440-66-6	O
Zinc, Dissolved	Not detected	mg/L	0.01	6020	01/22/04	BJK	7440-66-6	O

O-Analysis performed by outside laboratory



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.02 (continued)

Sample Tag: TW1 (122903)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	30	8260B	01/03/04	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	01/03/04	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	01/03/04	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	01/03/04	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	01/03/04	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	01/03/04	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	01/03/04	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	01/03/04	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	01/03/04	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	01/03/04	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	01/03/04	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	01/03/04	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	01/03/04	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	01/03/04	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	01/03/04	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	01/03/04	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	1	8260B	01/03/04	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	01/03/04	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	01/03/04	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	01/03/04	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	01/03/04	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	01/03/04	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	01/03/04	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	01/03/04	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	01/03/04	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	01/03/04	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	01/03/04	JGH	106-42-3	



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.02 (continued)

Sample Tag: TW1 (122903)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	5	8270C	01/20/04	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	01/20/04	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	01/20/04	ARH	98-86-2	
Anthracene	Not detected	ug/L	5	8270C	01/20/04	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	01/20/04	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	01/20/04	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	01/20/04	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	01/20/04	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	01/20/04	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	01/20/04	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	01/20/04	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	01/20/04	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	01/20/04	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	01/20/04	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	01/20/04	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	01/20/04	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	01/20/04	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	01/20/04	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	01/20/04	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	01/20/04	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	01/20/04	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	01/20/04	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	01/20/04	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	01/20/04	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	01/20/04	ARH	108-60-1	
Chrysene	Not detected	ug/L	5	8270C	01/20/04	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	01/20/04	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	01/20/04	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	01/20/04	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	01/20/04	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	01/20/04	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	01/20/04	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	01/20/04	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	01/20/04	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	01/20/04	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	01/20/04	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	01/20/04	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	0.7	ug/L	5	8270C	01/20/04	ARH	117-81-7	BJ
Fluoranthene	Not detected	ug/L	5	8270C	01/20/04	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	01/20/04	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	01/20/04	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	01/20/04	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	01/20/04	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	01/20/04	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	01/20/04	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	01/20/04	ARH	78-59-1	
2-Methylnaphthalene	0.4	ug/L	5	8270C	01/20/04	ARH	91-57-6	J
2-Methylphenol	Not detected	ug/L	5	8270C	01/20/04	ARH	95-48-7	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.02 (continued)

Sample Tag: TW1 (122903)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	01/20/04	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/L	20	8270C	01/20/04	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	01/20/04	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	01/20/04	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	01/20/04	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	01/20/04	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	01/20/04	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	01/20/04	ARH	86-30-6	
Naphthalene	Not detected	ug/L	5	8270C	01/20/04	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	01/20/04	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	01/20/04	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	01/20/04	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	5	8270C	01/20/04	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	01/20/04	ARH	108-95-2	
Pyrene	Not detected	ug/L	5	8270C	01/20/04	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	01/20/04	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	01/20/04	ARH	88-06-2	
TCL Low-Level Polynuclear Aromatics								
Acenaphthene	Not detected	ug/L	2	8270C	01/19/04	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	01/19/04	ARH	208-96-8	
Anthracene	Not detected	ug/L	2	8270C	01/19/04	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	01/19/04	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	01/19/04	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	01/19/04	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	01/19/04	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	01/19/04	ARH	191-24-2	
Chrysene	Not detected	ug/L	2	8270C	01/19/04	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	01/19/04	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	2	8270C	01/19/04	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	01/19/04	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	01/19/04	ARH	193-39-5	
Naphthalene	Not detected	ug/L	2	8270C	01/19/04	ARH	91-20-3	
Phenanthrene	Not detected	ug/L	2	8270C	01/19/04	ARH	85-01-8	
Pyrene	Not detected	ug/L	2	8270C	01/19/04	ARH	129-00-0	
2-Methylnaphthalene	0.3	ug/L	2	8270C	01/19/04	ARH	91-57-6	J
TCL PCB List (Column 1)								
PCB-1016	Not detected	ug/L	0.01	8082	01/05/04	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.01	8082	01/05/04	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.01	8082	01/05/04	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.01	8082	01/05/04	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.01	8082	01/05/04	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.01	8082	01/05/04	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.01	8082	01/05/04	JANB	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.02 (continued)

Sample Tag: TW1 (122903)

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL PCB List Dissolved (Column 1)								
PCB-1016	Not detected	ug/L	0.01	8082	01/05/04	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.01	8082	01/05/04	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.01	8082	01/05/04	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.01	8082	01/05/04	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.01	8082	01/05/04	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.01	8082	01/05/04	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.01	8082	01/05/04	JANB	11096-82-5	
TCL PCB List (Column 2)								
PCB-1016	Not detected	ug/L	0.01	8082	01/05/04	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.01	8082	01/05/04	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.01	8082	01/05/04	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.01	8082	01/05/04	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.01	8082	01/05/04	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.01	8082	01/05/04	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.01	8082	01/05/04	JANB	11096-82-5	
TCL PCB List Dissolved (Column 2)								
PCB-1016	Not detected	ug/L	0.01	8082	01/05/04	JANB	12674-11-2	
PCB-1242	Not detected	ug/L	0.01	8082	01/05/04	JANB	53469-21-9	
PCB-1221	Not detected	ug/L	0.01	8082	01/05/04	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.01	8082	01/05/04	JANB	11141-16-5	
PCB-1248	Not detected	ug/L	0.01	8082	01/05/04	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.01	8082	01/05/04	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.01	8082	01/05/04	JANB	11096-82-5	



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.03
Sample Tag: Trip Blank
Collected Date/Time: 12/29/2003 :
Matrix: Groundwater
COC Reference: 015226

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40 ml Glass	HCL	Yes	4.9	2

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags

Organics

TCL Volatile Organics 8260

Acetone	Not detected	ug/L	30	8260B	01/03/04	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	01/03/04	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	01/03/04	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	01/03/04	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	01/03/04	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	01/03/04	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	01/03/04	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	01/03/04	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	01/03/04	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	01/03/04	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	01/03/04	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	01/03/04	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	01/03/04	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	01/03/04	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	01/03/04	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	01/03/04	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	01/03/04	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	1	8260B	01/03/04	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	01/03/04	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	01/03/04	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	01/03/04	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	01/03/04	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	01/03/04	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	01/03/04	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	01/03/04	JGH	120-82-1	



Analytical Laboratory Report

Preliminary Report

Lab Sample ID: S15630.03 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RDL	Method	Date Run	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 8260 (continued)								
Tetrachloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	01/03/04	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	01/03/04	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	01/03/04	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	01/03/04	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	01/03/04	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	01/03/04	JGH	106-42-3	



Analytical Laboratory Report

Report ID: S16246.01(01)

Generated on 03/12/2004

Report to

Attention: Mr. John McKenna

Blasland, Bouck & Lee, Inc.

1920 Opdyke Court Suite 200

Auburn Hills, MI 48326

Phone: 248-377-9162 x. 108 FAX: 248-377-9413

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S16246.01-S16246.23

Project: 64448

Submitted Date/Time: 03/04/2004 09:25

Sampled by: M.C.

P.O. #:

Report Notes

Results relate only to items tested.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S16246.01

Sample Tag: FA-16

Collected Date/Time: 03/03/2004 13:40

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	84	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:13	7440-36-0	
Barium	60.4	mg/kg	1.0	6020	03/12/04 16:13	7440-39-3	
Cadmium	0.38	mg/kg	0.05	6020	03/12/04 16:13	7440-43-9	
Copper	27.1	mg/kg	0.50	6020	03/12/04 16:13	7440-50-8	
Lead	27.9	mg/kg	0.50	6020	03/12/04 16:13	7439-92-1	
Mercury	0.21	mg/kg	0.10	7471M	03/11/04 14:45	7439-97-6	
Nickel	10.5	mg/kg	0.50	6020	03/12/04 16:13	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:13	7440-22-4	
Vanadium	8.62	mg/kg	0.50	6020	03/12/04 16:13	7440-62-2	
Zinc	359	mg/kg	0.50	6020	03/12/04 16:13	7440-66-6	
Arsenic	2.35	mg/kg	0.10	6020	03/12/04 16:13	7440-38-2	
Beryllium	0.40	mg/kg	0.10	6020	03/12/04 16:13	7440-41-7	
Cobalt	3.27	mg/kg	0.50	6020	03/12/04 16:13	7440-48-4	
Chromium	9.13	mg/kg	0.50	6020	03/12/04 16:13	7440-47-3	
Manganese	133	mg/kg	0.50	6020	03/12/04 16:13	7439-96-5	
Selenium	0.34	mg/kg	0.20	6020	03/12/04 16:13	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:13	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 00:18	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 00:18	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 00:18	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 00:18	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 00:18	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 00:18	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.01 (continued)

Sample Tag: FA-16

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	106-93-4	
1,2-Dichlorobenzene	30	ug/kg	50	5035/8260B	03/11/04 00:18	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 00:18	541-73-1	BJ
1,4-Dichlorobenzene	30	ug/kg	50	5035/8260B	03/11/04 00:18	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	10061-02-6	
Ethylbenzene	7	ug/kg	50	5035/8260B	03/11/04 00:18	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 00:18	591-78-6	
Isopropylbenzene	10	ug/kg	50	5035/8260B	03/11/04 00:18	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 00:18	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 00:18	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 00:18	1634-04-4	
Methyl cyclohexane	20	ug/kg	50	5035/8260B	03/11/04 00:18	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 00:18	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	100-42-5	
1,1,1-Trichloroethane	70	ug/kg	50	5035/8260B	03/11/04 00:18	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 00:18	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	79-00-5	
1,2,4-Trichlorobenzene	30	ug/kg	100	5035/8260B	03/11/04 00:18	120-82-1	BJ
Tetrachloroethene	30	ug/kg	50	5035/8260B	03/11/04 00:18	127-18-4	J
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 00:18	108-88-3	
Trichloroethene	60	ug/kg	50	5035/8260B	03/11/04 00:18	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 00:18	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 00:18	75-01-4	
o-Xylene	10	ug/kg	50	5035/8260B	03/11/04 00:18	95-47-6	BJ
p,m-Xylene	20	ug/kg	50	5035/8260B	03/11/04 00:18	106-42-3	BJ
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/09/04 16:39	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	03/09/04 16:39	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	03/09/04 16:39	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	03/09/04 16:39	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	03/09/04 16:39	1912-24-9	
1,1'-Biphenyl	9	ug/kg	330	8270C	03/09/04 16:39	92-52-4	J
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 16:39	101-55-3	
di-n-Butyl phthalate	60	ug/kg	330	8270C	03/09/04 16:39	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	03/09/04 16:39	100-52-7	
Benzo(a)anthracene	30	ug/kg	330	8270C	03/09/04 16:39	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.01 (continued)

Sample Tag: FA-16

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)pyrene	30	ug/kg	330	8270C	03/09/04 16:39	50-32-8	J
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 16:39	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/09/04 16:39	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 16:39	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 16:39	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/09/04 16:39	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/09/04 16:39	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 16:39	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	03/09/04 16:39	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	03/09/04 16:39	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/09/04 16:39	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/09/04 16:39	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/09/04 16:39	108-60-1	
Chrysene	30	ug/kg	330	8270C	03/09/04 16:39	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/09/04 16:39	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 16:39	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 16:39	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/09/04 16:39	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/09/04 16:39	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/09/04 16:39	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	03/09/04 16:39	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 16:39	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 16:39	131-11-3	
bis(2-Ethylhexyl)phthalate	40	ug/kg	330	8270C	03/09/04 16:39	117-81-7	J
Fluoranthene	60	ug/kg	330	8270C	03/09/04 16:39	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	03/09/04 16:39	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/09/04 16:39	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/09/04 16:39	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/09/04 16:39	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	03/09/04 16:39	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/09/04 16:39	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	03/09/04 16:39	78-59-1	
2-Methylnaphthalene	60	ug/kg	330	8270C	03/09/04 16:39	91-57-6	J
2-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 16:39	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 16:39	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 16:39	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/09/04 16:39	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/09/04 16:39	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/09/04 16:39	86-30-6	
Naphthalene	50	ug/kg	330	8270C	03/09/04 16:39	91-20-3	J
Nitrobenzene	Not detected	ug/kg	200	8270C	03/09/04 16:39	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.01 (continued)

Sample Tag: FA-16

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 16:39	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/09/04 16:39	87-86-5	
Phenanthrene	60	ug/kg	330	8270C	03/09/04 16:39	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	108-95-2	
Pyrene	50	ug/kg	330	8270C	03/09/04 16:39	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 16:39	88-06-2	
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 20:24	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 20:24	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 20:24	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 20:24	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 20:24	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 20:24	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 20:24	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 20:24	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 20:24	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 20:24	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 20:24	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 20:24	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 20:24	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 20:24	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.02

Sample Tag: FA-17

Collected Date/Time: 03/03/2004 14:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	90	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:16	7440-36-0	
Barium	69.1	mg/kg	1.0	6020	03/12/04 16:16	7440-39-3	
Cadmium	1.41	mg/kg	0.05	6020	03/12/04 16:16	7440-43-9	
Copper	97.1	mg/kg	0.50	6020	03/12/04 16:16	7440-50-8	
Lead	110	mg/kg	0.50	6020	03/12/04 16:16	7439-92-1	
Mercury	0.10	mg/kg	0.10	7471M	03/11/04 14:47	7439-97-6	
Nickel	60.6	mg/kg	0.50	6020	03/12/04 16:16	7440-02-0	
Silver	0.27	mg/kg	0.20	6020	03/12/04 16:16	7440-22-4	
Vanadium	Not detected	mg/kg	0.50	6020	03/12/04 16:16	7440-62-2	
Zinc	190	mg/kg	0.50	6020	03/12/04 16:16	7440-66-6	
Arsenic	0.67	mg/kg	0.10	6020	03/12/04 16:16	7440-38-2	
Beryllium	0.15	mg/kg	0.10	6020	03/12/04 16:16	7440-41-7	
Cobalt	4.68	mg/kg	0.50	6020	03/12/04 16:16	7440-48-4	
Chromium	186	mg/kg	0.50	6020	03/12/04 16:16	7440-47-3	
Manganese	732	mg/kg	0.50	6020	03/12/04 16:16	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 16:16	7782-49-2	
Thallium	0.11	mg/kg	0.10	6020	03/12/04 16:16	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 01:23	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 01:23	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 01:23	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 01:23	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 01:23	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 01:23	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.02 (continued)

Sample Tag: FA-17

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 01:23	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 01:23	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 01:23	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	10061-02-6	
Ethylbenzene	7	ug/kg	50	5035/8260B	03/11/04 01:23	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 01:23	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 01:23	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 01:23	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 01:23	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 01:23	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	100-42-5	
1,1,1-Trichloroethane	7	ug/kg	50	5035/8260B	03/11/04 01:23	71-55-6	J
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 01:23	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	79-00-5	
1,2,4-Trichlorobenzene	20	ug/kg	100	5035/8260B	03/11/04 01:23	120-82-1	BJ
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	127-18-4	
Toluene	10	ug/kg	50	5035/8260B	03/11/04 01:23	108-88-3	J
Trichloroethene	60	ug/kg	50	5035/8260B	03/11/04 01:23	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 01:23	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 01:23	75-01-4	
o-Xylene	8	ug/kg	50	5035/8260B	03/11/04 01:23	95-47-6	BJ
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:23	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	4,000	ug/kg	4,000	8270C	03/10/04 00:13	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	208-96-8	XI
Acetophenone	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	98-86-2	XI
Anthracene	10,000	ug/kg	4,000	8270C	03/10/04 00:13	120-12-7	XI
Atrazine	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	1912-24-9	XI
1,1'-Biphenyl	300	ug/kg	4,000	8270C	03/10/04 00:13	92-52-4	XIJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	101-55-3	XI
di-n-Butyl phthalate	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	84-74-2	XI
Benzaldehyde	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	100-52-7	XI

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S16246.02 (continued)

Sample Tag: FA-17

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)anthracene	15,000	ug/kg	4,000	8270C	03/10/04 00:13	56-55-3	XI
Benzo(a)pyrene	16,000	ug/kg	4,000	8270C	03/10/04 00:13	50-32-8	XI
Benzo(b)fluoranthene	27,000	ug/kg	4,000	8270C	03/10/04 00:13	205-99-2	XI
Benzo(ghi)perylene	3,000	ug/kg	4,000	8270C	03/10/04 00:13	191-24-2	XI
Benzo(k)fluoranthene	10,000	ug/kg	4,000	8270C	03/10/04 00:13	207-08-9	XI
Butyl benzyl phthalate	500	ug/kg	4,000	8270C	03/10/04 00:13	85-68-7	XIJ
2-Chloronaphthalene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	7005-72-3	XI
Caprolactam	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	105-60-2	XI
Carbazole	5,000	ug/kg	4,000	8270C	03/10/04 00:13	86-74-8	XI
bis(2-Chloroethoxy)methane	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	108-60-1	XI
Chrysene	14,000	ug/kg	4,000	8270C	03/10/04 00:13	218-01-9	XI
2,4-Dichlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	53-70-3	XI
Dibenzofuran	2,000	ug/kg	4,000	8270C	03/10/04 00:13	132-64-9	XIJ
Diethyl phthalate	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	131-11-3	XI
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	117-81-7	XI
Fluoranthene	40,000	ug/kg	4,000	8270C	03/10/04 00:13	206-44-0	XI
Fluorene	4,000	ug/kg	4,000	8270C	03/10/04 00:13	86-73-7	XI
Hexachlorobenzene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	67-72-1	XI
Indeno(1,2,3-cd)pyrene	3,000	ug/kg	4,000	8270C	03/10/04 00:13	193-39-5	XIJ
Isophorone	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	78-59-1	XI
2-Methylnaphthalene	700	ug/kg	4,000	8270C	03/10/04 00:13	91-57-6	XIJ
2-Methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	100-02-7	XI
N-Nitrosodi-n-propylamine	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	621-64-7	XI
N-Nitrosodiphenylamine	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	86-30-6	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.02 (continued)

Sample Tag: FA-17

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Naphthalene	3,000	ug/kg	4,000	8270C	03/10/04 00:13	91-20-3	XIJ
Nitrobenzene	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	98-95-3	XI
di-n-Octyl phthalate	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	117-84-0	XI
Pentachlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	87-86-5	XI
Phenanthrene	35,000	ug/kg	4,000	8270C	03/10/04 00:13	85-01-8	XI
Phenol	2,000	ug/kg	4,000	8270C	03/10/04 00:13	108-95-2	XIJ
Pyrene	50,000	ug/kg	4,000	8270C	03/10/04 00:13	129-00-0	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 00:13	88-06-2	XI
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	5,000	ug/kg	40,000	8270C	03/11/04 00:41	83-32-9	XJ
Acenaphthylene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	208-96-8	X
Acetophenone	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	98-86-2	X
Anthracene	10,000	ug/kg	40,000	8270C	03/11/04 00:41	120-12-7	XJ
Atrazine	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	84-74-2	X
Benzaldehyde	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	100-52-7	X
Benzo(a)anthracene	20,000	ug/kg	40,000	8270C	03/11/04 00:41	56-55-3	XJ
Benzo(a)pyrene	20,000	ug/kg	40,000	8270C	03/11/04 00:41	50-32-8	XJ
Benzo(b)fluoranthene	30,000	ug/kg	40,000	8270C	03/11/04 00:41	205-99-2	XJ
Benzo(ghi)perylene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	191-24-2	X
Benzo(k)fluoranthene	10,000	ug/kg	40,000	8270C	03/11/04 00:41	207-08-9	XJ
Butyl benzyl phthalate	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	7005-72-3	X
Caprolactam	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	105-60-2	X
Carbazole	6,000	ug/kg	40,000	8270C	03/11/04 00:41	86-74-8	XJ
bis(2-Chloroethoxy)methane	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	108-60-1	X
Chrysene	20,000	ug/kg	40,000	8270C	03/11/04 00:41	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	53-70-3	X
Dibenzofuran	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	131-11-3	X

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.02 (continued)

Sample Tag: FA-17

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	117-81-7	X
Fluoranthene	60,000	ug/kg	40,000	8270C	03/11/04 00:41	206-44-0	X
Fluorene	4,000	ug/kg	40,000	8270C	03/11/04 00:41	86-73-7	XJ
Hexachlorobenzene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	77-47-4	X
Hexachloroethane	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	193-39-5	X
Isophorone	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	91-57-6	X
2-Methylphenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	86-30-6	X
Naphthalene	4,000	ug/kg	40,000	8270C	03/11/04 00:41	91-20-3	XJ
Nitrobenzene	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	80,000	8270C	03/11/04 00:41	87-86-5	X
Phenanthrene	50,000	ug/kg	40,000	8270C	03/11/04 00:41	85-01-8	X
Phenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	108-95-2	X
Pyrene	40,000	ug/kg	40,000	8270C	03/11/04 00:41	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	40,000	8270C	03/11/04 00:41	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 20:41	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 20:41	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 20:41	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 20:41	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 20:41	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 20:41	11097-69-1	
PCB-1260	10	ug/kg	330	8082	03/09/04 20:41	11096-82-5	J
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 20:41	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 20:41	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 20:41	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 20:41	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 20:41	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 20:41	11097-69-1	
PCB-1260	10	ug/kg	330	8082	03/09/04 20:41	11096-82-5	J

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.03

Sample Tag: FA-15

Collected Date/Time: 03/03/2004 14:15

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	88	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:20	7440-36-0	
Barium	107	mg/kg	1.0	6020	03/12/04 16:20	7440-39-3	
Cadmium	1.30	mg/kg	0.05	6020	03/12/04 16:20	7440-43-9	
Copper	23.3	mg/kg	0.50	6020	03/12/04 16:20	7440-50-8	
Lead	96.1	mg/kg	0.50	6020	03/12/04 16:20	7439-92-1	
Mercury	0.18	mg/kg	0.10	7471M	03/11/04 14:49	7439-97-6	
Nickel	19.9	mg/kg	0.50	6020	03/12/04 16:20	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:20	7440-22-4	
Vanadium	10.0	mg/kg	0.50	6020	03/12/04 16:20	7440-62-2	
Zinc	188	mg/kg	0.50	6020	03/12/04 16:20	7440-66-6	
Arsenic	1.04	mg/kg	0.10	6020	03/12/04 16:20	7440-38-2	
Beryllium	0.95	mg/kg	0.10	6020	03/12/04 16:20	7440-41-7	
Cobalt	5.17	mg/kg	0.50	6020	03/12/04 16:20	7440-48-4	
Chromium	45.2	mg/kg	0.50	6020	03/12/04 16:20	7440-47-3	
Manganese	1,350	mg/kg	0.50	6020	03/12/04 16:20	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 16:20	7782-49-2	
Thallium	0.12	mg/kg	0.10	6020	03/12/04 16:20	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 01:56	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 01:56	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 01:56	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 01:56	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 01:56	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 01:56	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.03 (continued)

Sample Tag: FA-15

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 01:56	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 01:56	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 01:56	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 01:56	591-78-6	
Isopropylbenzene	9	ug/kg	50	5035/8260B	03/11/04 01:56	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 01:56	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 01:56	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 01:56	1634-04-4	
Methyl cyclohexane	6	ug/kg	50	5035/8260B	03/11/04 01:56	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 01:56	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 01:56	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	79-00-5	
1,2,4-Trichlorobenzene	20	ug/kg	100	5035/8260B	03/11/04 01:56	120-82-1	BJ
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 01:56	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 01:56	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 01:56	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	300	ug/kg	600	8270C	03/09/04 19:24	83-32-9	X
Acenaphthylene	20	ug/kg	600	8270C	03/09/04 19:24	208-96-8	XJ
Acetophenone	Not detected	ug/kg	600	8270C	03/09/04 19:24	98-86-2	X
Anthracene	500	ug/kg	600	8270C	03/09/04 19:24	120-12-7	XJ
Atrazine	Not detected	ug/kg	600	8270C	03/09/04 19:24	1912-24-9	X
1,1'-Biphenyl	50	ug/kg	600	8270C	03/09/04 19:24	92-52-4	XJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 19:24	101-55-3	X
di-n-Butyl phthalate	200	ug/kg	600	8270C	03/09/04 19:24	84-74-2	XBJ
Benzaldehyde	Not detected	ug/kg	600	8270C	03/09/04 19:24	100-52-7	X

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.03 (continued)

Sample Tag: FA-15

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)anthracene	1,200	ug/kg	600	8270C	03/09/04 19:24	56-55-3	X
Benzo(a)pyrene	1,400	ug/kg	600	8270C	03/09/04 19:24	50-32-8	X
Benzo(b)fluoranthene	2,100	ug/kg	600	8270C	03/09/04 19:24	205-99-2	X
Benzo(ghi)perylene	400	ug/kg	600	8270C	03/09/04 19:24	191-24-2	XJ
Benzo(k)fluoranthene	700	ug/kg	600	8270C	03/09/04 19:24	207-08-9	X
Butyl benzyl phthalate	100	ug/kg	600	8270C	03/09/04 19:24	85-68-7	XJ
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/09/04 19:24	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/09/04 19:24	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 19:24	7005-72-3	X
Caprolactam	Not detected	ug/kg	600	8270C	03/09/04 19:24	105-60-2	X
Carbazole	300	ug/kg	600	8270C	03/09/04 19:24	86-74-8	XJ
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/09/04 19:24	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/09/04 19:24	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/09/04 19:24	108-60-1	X
Chrysene	1,200	ug/kg	600	8270C	03/09/04 19:24	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 19:24	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 19:24	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/09/04 19:24	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/09/04 19:24	53-70-3	X
Dibenzofuran	200	ug/kg	600	8270C	03/09/04 19:24	132-64-9	XJ
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 19:24	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 19:24	131-11-3	X
bis(2-Ethylhexyl)phthalate	70	ug/kg	600	8270C	03/09/04 19:24	117-81-7	XJ
Fluoranthene	3,600	ug/kg	600	8270C	03/09/04 19:24	206-44-0	X
Fluorene	300	ug/kg	600	8270C	03/09/04 19:24	86-73-7	XJ
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/09/04 19:24	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/09/04 19:24	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/09/04 19:24	77-47-4	X
Hexachloroethane	Not detected	ug/kg	600	8270C	03/09/04 19:24	67-72-1	X
Indeno(1,2,3-cd)pyrene	400	ug/kg	600	8270C	03/09/04 19:24	193-39-5	XJ
Isophorone	Not detected	ug/kg	600	8270C	03/09/04 19:24	78-59-1	X
2-Methylnaphthalene	200	ug/kg	600	8270C	03/09/04 19:24	91-57-6	XJ
2-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 19:24	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 19:24	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 19:24	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/09/04 19:24	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/09/04 19:24	86-30-6	X

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.03 (continued)

Sample Tag: FA-15

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Naphthalene	200	ug/kg	600	8270C	03/09/04 19:24	91-20-3	XJ
Nitrobenzene	Not detected	ug/kg	600	8270C	03/09/04 19:24	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 19:24	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	87-86-5	X
Phenanthrene	2,700	ug/kg	600	8270C	03/09/04 19:24	85-01-8	X
Phenol	600	ug/kg	600	8270C	03/09/04 19:24	108-95-2	X
Pyrene	2,900	ug/kg	600	8270C	03/09/04 19:24	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 19:24	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 20:58	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 20:58	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 20:58	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 20:58	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 20:58	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 20:58	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 20:58	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 20:58	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 20:58	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 20:58	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 20:58	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 20:58	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 20:58	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 20:58	11096-82-5	

X-Elevated reporting limit due to matrix interference J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.04

Sample Tag: FA-14

Collected Date/Time: 03/03/2004 14:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:00		
Extraction, PCB	Completed			3550B	03/11/04 14:30		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/10/04 16:00		

Inorganics

Total Solids	84	%	1	160.3	03/10/04 0:19		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:23	7440-36-0	
Barium	39.0	mg/kg	1.0	6020	03/12/04 16:23	7440-39-3	
Cadmium	0.25	mg/kg	0.05	6020	03/12/04 16:23	7440-43-9	
Copper	16.9	mg/kg	0.50	6020	03/12/04 16:23	7440-50-8	
Lead	48.2	mg/kg	0.50	6020	03/12/04 16:23	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 14:51	7439-97-6	
Nickel	10.8	mg/kg	0.50	6020	03/12/04 16:23	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:23	7440-22-4	
Vanadium	5.25	mg/kg	0.50	6020	03/12/04 16:23	7440-62-2	
Zinc	106	mg/kg	0.50	6020	03/12/04 16:23	7440-66-6	
Arsenic	1.37	mg/kg	0.10	6020	03/12/04 16:23	7440-38-2	
Beryllium	0.25	mg/kg	0.10	6020	03/12/04 16:23	7440-41-7	
Cobalt	2.75	mg/kg	0.50	6020	03/12/04 16:23	7440-48-4	
Chromium	7.08	mg/kg	0.50	6020	03/12/04 16:23	7440-47-3	
Manganese	242	mg/kg	0.50	6020	03/12/04 16:23	7439-96-5	
Selenium	0.22	mg/kg	0.20	6020	03/12/04 16:23	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:23	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 02:29	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 02:29	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 02:29	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 02:29	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 02:29	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 02:29	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.04 (continued)

Sample Tag: FA-14

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 02:29	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 02:29	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 02:29	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 02:29	591-78-6	
Isopropylbenzene	10	ug/kg	50	5035/8260B	03/11/04 02:29	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 02:29	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 02:29	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 02:29	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 02:29	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 02:29	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 02:29	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 02:29	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 02:29	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 02:29	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/09/04 20:05	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	03/09/04 20:05	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	03/09/04 20:05	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	03/09/04 20:05	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	03/09/04 20:05	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	03/09/04 20:05	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 20:05	101-55-3	
di-n-Butyl phthalate	70	ug/kg	330	8270C	03/09/04 20:05	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	03/09/04 20:05	100-52-7	
Benzo(a)anthracene	30	ug/kg	330	8270C	03/09/04 20:05	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.04 (continued)

Sample Tag: FA-14

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)pyrene	30	ug/kg	330	8270C	03/09/04 20:05	50-32-8	J
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 20:05	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/09/04 20:05	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 20:05	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 20:05	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/09/04 20:05	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/09/04 20:05	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 20:05	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	03/09/04 20:05	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	03/09/04 20:05	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/09/04 20:05	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/09/04 20:05	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/09/04 20:05	108-60-1	
Chrysene	30	ug/kg	330	8270C	03/09/04 20:05	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/09/04 20:05	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 20:05	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 20:05	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/09/04 20:05	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/09/04 20:05	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/09/04 20:05	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	03/09/04 20:05	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 20:05	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 20:05	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	03/09/04 20:05	117-81-7	
Fluoranthene	60	ug/kg	330	8270C	03/09/04 20:05	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	03/09/04 20:05	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/09/04 20:05	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/09/04 20:05	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/09/04 20:05	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	03/09/04 20:05	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/09/04 20:05	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	03/09/04 20:05	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	03/09/04 20:05	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 20:05	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 20:05	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 20:05	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/09/04 20:05	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/09/04 20:05	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/09/04 20:05	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	03/09/04 20:05	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	03/09/04 20:05	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.04 (continued)

Sample Tag: FA-14

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 20:05	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/09/04 20:05	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	03/09/04 20:05	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	108-95-2	
Pyrene	50	ug/kg	330	8270C	03/09/04 20:05	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 20:05	88-06-2	
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 21:16	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 21:16	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 21:16	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 21:16	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 21:16	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 21:16	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 21:16	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 21:16	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 21:16	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 21:16	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 21:16	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 21:16	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 21:16	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 21:16	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.05

Sample Tag: FA-13

Collected Date/Time: 03/03/2004 14:45

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	89	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:27	7440-36-0	
Barium	35.8	mg/kg	1.0	6020	03/12/04 16:27	7440-39-3	
Cadmium	0.11	mg/kg	0.05	6020	03/12/04 16:27	7440-43-9	
Copper	6.11	mg/kg	0.50	6020	03/12/04 16:27	7440-50-8	
Lead	13.0	mg/kg	0.50	6020	03/12/04 16:27	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 14:53	7439-97-6	
Nickel	6.10	mg/kg	0.50	6020	03/12/04 16:27	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:27	7440-22-4	
Vanadium	6.11	mg/kg	0.50	6020	03/12/04 16:27	7440-62-2	
Zinc	17.9	mg/kg	0.50	6020	03/12/04 16:27	7440-66-6	
Arsenic	1.36	mg/kg	0.10	6020	03/12/04 16:27	7440-38-2	
Beryllium	0.22	mg/kg	0.10	6020	03/12/04 16:27	7440-41-7	
Cobalt	3.01	mg/kg	0.50	6020	03/12/04 16:27	7440-48-4	
Chromium	4.13	mg/kg	0.50	6020	03/12/04 16:27	7440-47-3	
Manganese	229	mg/kg	0.50	6020	03/12/04 16:27	7439-96-5	
Selenium	0.26	mg/kg	0.20	6020	03/12/04 16:27	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:27	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 03:02	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 03:02	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 03:02	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 03:02	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 03:02	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 03:02	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.05 (continued)

Sample Tag: FA-13

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 03:02	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	78-87-5	
1,3-Dichlorobenzene	10	ug/kg	50	5035/8260B	03/11/04 03:02	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 03:02	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 03:02	591-78-6	
Isopropylbenzene	7	ug/kg	50	5035/8260B	03/11/04 03:02	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 03:02	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 03:02	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 03:02	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 03:02	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 03:02	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 03:02	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 03:02	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 03:02	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:02	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/09/04 17:20	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	03/09/04 17:20	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	03/09/04 17:20	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	03/09/04 17:20	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	03/09/04 17:20	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	03/09/04 17:20	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 17:20	101-55-3	
di-n-Butyl phthalate	30	ug/kg	330	8270C	03/09/04 17:20	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	03/09/04 17:20	100-52-7	
Benzo(a)anthracene	10	ug/kg	330	8270C	03/09/04 17:20	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.05 (continued)

Sample Tag: FA-13

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)pyrene	10	ug/kg	330	8270C	03/09/04 17:20	50-32-8	J
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 17:20	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/09/04 17:20	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 17:20	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 17:20	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/09/04 17:20	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/09/04 17:20	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 17:20	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	03/09/04 17:20	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	03/09/04 17:20	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/09/04 17:20	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/09/04 17:20	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/09/04 17:20	108-60-1	
Chrysene	10	ug/kg	330	8270C	03/09/04 17:20	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/09/04 17:20	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 17:20	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 17:20	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/09/04 17:20	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/09/04 17:20	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/09/04 17:20	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	03/09/04 17:20	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 17:20	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 17:20	131-11-3	
bis(2-Ethylhexyl)phthalate	30	ug/kg	330	8270C	03/09/04 17:20	117-81-7	J
Fluoranthene	20	ug/kg	330	8270C	03/09/04 17:20	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	03/09/04 17:20	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/09/04 17:20	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/09/04 17:20	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/09/04 17:20	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	03/09/04 17:20	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/09/04 17:20	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	03/09/04 17:20	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	03/09/04 17:20	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 17:20	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 17:20	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 17:20	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/09/04 17:20	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/09/04 17:20	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/09/04 17:20	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	03/09/04 17:20	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	03/09/04 17:20	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.05 (continued)

Sample Tag: FA-13

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 17:20	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/09/04 17:20	87-86-5	
Phenanthrene	10	ug/kg	330	8270C	03/09/04 17:20	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	108-95-2	
Pyrene	20	ug/kg	330	8270C	03/09/04 17:20	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 17:20	88-06-2	
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 21:34	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 21:34	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 21:34	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 21:34	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 21:34	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 21:34	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 21:34	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 21:34	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 21:34	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 21:34	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 21:34	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 21:34	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 21:34	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 21:34	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.06

Sample Tag: FA-12

Collected Date/Time: 03/03/2004 15:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	88	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:30	7440-36-0	
Barium	15.6	mg/kg	1.0	6020	03/12/04 16:30	7440-39-3	
Cadmium	0.10	mg/kg	0.05	6020	03/12/04 16:30	7440-43-9	
Copper	14.8	mg/kg	0.50	6020	03/12/04 16:30	7440-50-8	
Lead	6.58	mg/kg	0.50	6020	03/12/04 16:30	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 14:55	7439-97-6	
Nickel	11.5	mg/kg	0.50	6020	03/12/04 16:30	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:30	7440-22-4	
Vanadium	1.34	mg/kg	0.50	6020	03/12/04 16:30	7440-62-2	
Zinc	10.1	mg/kg	0.50	6020	03/12/04 16:30	7440-66-6	
Arsenic	1.13	mg/kg	0.10	6020	03/12/04 16:30	7440-38-2	
Beryllium	0.11	mg/kg	0.10	6020	03/12/04 16:30	7440-41-7	
Cobalt	1.54	mg/kg	0.50	6020	03/12/04 16:30	7440-48-4	
Chromium	16.7	mg/kg	0.50	6020	03/12/04 16:30	7440-47-3	
Manganese	297	mg/kg	0.50	6020	03/12/04 16:30	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 16:30	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:30	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 03:35	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 03:35	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 03:35	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 03:35	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 03:35	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 03:35	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.06 (continued)

Sample Tag: FA-12

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 03:35	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 03:35	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 03:35	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 03:35	591-78-6	
Isopropylbenzene	9	ug/kg	50	5035/8260B	03/11/04 03:35	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 03:35	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 03:35	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 03:35	1634-04-4	
Methyl cyclohexane	20	ug/kg	50	5035/8260B	03/11/04 03:35	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 03:35	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 03:35	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 03:35	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 03:35	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 03:35	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 03:35	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/09/04 18:02	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	03/09/04 18:02	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	03/09/04 18:02	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	03/09/04 18:02	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	03/09/04 18:02	1912-24-9	
1,1'-Biphenyl	10	ug/kg	330	8270C	03/09/04 18:02	92-52-4	J
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 18:02	101-55-3	
di-n-Butyl phthalate	30	ug/kg	330	8270C	03/09/04 18:02	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	03/09/04 18:02	100-52-7	
Benzo(a)anthracene	40	ug/kg	330	8270C	03/09/04 18:02	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.06 (continued)

Sample Tag: FA-12

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)pyrene	60	ug/kg	330	8270C	03/09/04 18:02	50-32-8	J
Benzo(b)fluoranthene	90	ug/kg	330	8270C	03/09/04 18:02	205-99-2	J
Benzo(ghi)perylene	20	ug/kg	330	8270C	03/09/04 18:02	191-24-2	J
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 18:02	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:02	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/09/04 18:02	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:02	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 18:02	7005-72-3	
Caprolactam	100	ug/kg	330	8270C	03/09/04 18:02	105-60-2	J
Carbazole	Not detected	ug/kg	330	8270C	03/09/04 18:02	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/09/04 18:02	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/09/04 18:02	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/09/04 18:02	108-60-1	
Chrysene	50	ug/kg	330	8270C	03/09/04 18:02	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/09/04 18:02	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 18:02	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 18:02	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/09/04 18:02	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/09/04 18:02	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/09/04 18:02	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	03/09/04 18:02	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:02	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:02	131-11-3	
bis(2-Ethylhexyl)phthalate	50	ug/kg	330	8270C	03/09/04 18:02	117-81-7	J
Fluoranthene	70	ug/kg	330	8270C	03/09/04 18:02	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	03/09/04 18:02	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/09/04 18:02	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/09/04 18:02	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/09/04 18:02	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	03/09/04 18:02	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/09/04 18:02	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	03/09/04 18:02	78-59-1	
2-Methylnaphthalene	50	ug/kg	330	8270C	03/09/04 18:02	91-57-6	J
2-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:02	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:02	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:02	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/09/04 18:02	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/09/04 18:02	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/09/04 18:02	86-30-6	
Naphthalene	40	ug/kg	330	8270C	03/09/04 18:02	91-20-3	J
Nitrobenzene	Not detected	ug/kg	200	8270C	03/09/04 18:02	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.06 (continued)

Sample Tag: FA-12

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:02	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/09/04 18:02	87-86-5	
Phenanthrene	70	ug/kg	330	8270C	03/09/04 18:02	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	108-95-2	
Pyrene	70	ug/kg	330	8270C	03/09/04 18:02	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:02	88-06-2	
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 21:51	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 21:51	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 21:51	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 21:51	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 21:51	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 21:51	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 21:51	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 21:51	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 21:51	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 21:51	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 21:51	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 21:51	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 21:51	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 21:51	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.07

Sample Tag: FA-11

Collected Date/Time: 03/03/2004 15:15

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	88	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:33	7440-36-0	
Barium	37.9	mg/kg	1.0	6020	03/12/04 16:33	7440-39-3	
Cadmium	0.26	mg/kg	0.05	6020	03/12/04 16:33	7440-43-9	
Copper	26.0	mg/kg	0.50	6020	03/12/04 16:33	7440-50-8	
Lead	37.3	mg/kg	0.50	6020	03/12/04 16:33	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 14:57	7439-97-6	
Nickel	16.7	mg/kg	0.50	6020	03/12/04 16:33	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:33	7440-22-4	
Vanadium	6.13	mg/kg	0.50	6020	03/12/04 16:33	7440-62-2	
Zinc	48.7	mg/kg	0.50	6020	03/12/04 16:33	7440-66-6	
Arsenic	0.98	mg/kg	0.10	6020	03/12/04 16:33	7440-38-2	
Beryllium	0.24	mg/kg	0.10	6020	03/12/04 16:33	7440-41-7	
Cobalt	3.86	mg/kg	0.50	6020	03/12/04 16:33	7440-48-4	
Chromium	42.8	mg/kg	0.50	6020	03/12/04 16:33	7440-47-3	
Manganese	328	mg/kg	0.50	6020	03/12/04 16:33	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 16:33	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:33	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 04:08	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 04:08	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 04:08	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 04:08	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 04:08	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 04:08	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.07 (continued)

Sample Tag: FA-11

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 04:08	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 04:08	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 04:08	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 04:08	591-78-6	
Isopropylbenzene	9	ug/kg	50	5035/8260B	03/11/04 04:08	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 04:08	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 04:08	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 04:08	1634-04-4	
Methyl cyclohexane	20	ug/kg	50	5035/8260B	03/11/04 04:08	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 04:08	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 04:08	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 04:08	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 04:08	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 04:08	75-01-4	
o-Xylene	9	ug/kg	50	5035/8260B	03/11/04 04:08	95-47-6	BJ
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:08	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	600	8270C	03/09/04 20:47	83-32-9	X
Acenaphthylene	Not detected	ug/kg	600	8270C	03/09/04 20:47	208-96-8	X
Acetophenone	Not detected	ug/kg	600	8270C	03/09/04 20:47	98-86-2	X
Anthracene	Not detected	ug/kg	600	8270C	03/09/04 20:47	120-12-7	X
Atrazine	Not detected	ug/kg	600	8270C	03/09/04 20:47	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	03/09/04 20:47	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 20:47	101-55-3	X
di-n-Butyl phthalate	70	ug/kg	600	8270C	03/09/04 20:47	84-74-2	XBJ
Benzaldehyde	Not detected	ug/kg	600	8270C	03/09/04 20:47	100-52-7	X

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.07 (continued)

Sample Tag: FA-11

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)anthracene	40	ug/kg	600	8270C	03/09/04 20:47	56-55-3	XJ
Benzo(a)pyrene	Not detected	ug/kg	600	8270C	03/09/04 20:47	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	600	8270C	03/09/04 20:47	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	03/09/04 20:47	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	03/09/04 20:47	207-08-9	X
Butyl benzyl phthalate	60	ug/kg	600	8270C	03/09/04 20:47	85-68-7	XJ
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/09/04 20:47	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/09/04 20:47	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 20:47	7005-72-3	X
Caprolactam	Not detected	ug/kg	600	8270C	03/09/04 20:47	105-60-2	X
Carbazole	Not detected	ug/kg	600	8270C	03/09/04 20:47	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/09/04 20:47	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/09/04 20:47	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/09/04 20:47	108-60-1	X
Chrysene	50	ug/kg	600	8270C	03/09/04 20:47	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 20:47	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 20:47	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/09/04 20:47	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/09/04 20:47	53-70-3	X
Dibenzofuran	Not detected	ug/kg	600	8270C	03/09/04 20:47	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 20:47	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 20:47	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	600	8270C	03/09/04 20:47	117-81-7	X
Fluoranthene	70	ug/kg	600	8270C	03/09/04 20:47	206-44-0	XJ
Fluorene	Not detected	ug/kg	600	8270C	03/09/04 20:47	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/09/04 20:47	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/09/04 20:47	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/09/04 20:47	77-47-4	X
Hexachloroethane	Not detected	ug/kg	600	8270C	03/09/04 20:47	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	03/09/04 20:47	193-39-5	X
Isophorone	Not detected	ug/kg	600	8270C	03/09/04 20:47	78-59-1	X
2-Methylnaphthalene	50	ug/kg	600	8270C	03/09/04 20:47	91-57-6	XJ
2-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 20:47	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 20:47	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 20:47	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/09/04 20:47	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/09/04 20:47	86-30-6	X
Naphthalene	Not detected	ug/kg	600	8270C	03/09/04 20:47	91-20-3	X

X-Elevated reporting limit due to matrix interference J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.07 (continued)

Sample Tag: FA-11

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Nitrobenzene	Not detected	ug/kg	600	8270C	03/09/04 20:47	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 20:47	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	87-86-5	X
Phenanthrene	70	ug/kg	600	8270C	03/09/04 20:47	85-01-8	XJ
Phenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	108-95-2	X
Pyrene	80	ug/kg	600	8270C	03/09/04 20:47	129-00-0	XJ
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 20:47	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 19:31	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 19:31	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 19:31	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 19:31	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 19:31	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 19:31	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 19:31	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 19:31	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 19:31	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 19:31	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 19:31	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 19:31	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 19:31	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 19:31	11096-82-5	

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.08

Sample Tag: FA-8

Collected Date/Time: 03/03/2004 15:25

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:30		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	90	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:36	7440-36-0	
Barium	61.4	mg/kg	1.0	6020	03/12/04 16:36	7440-39-3	
Cadmium	0.32	mg/kg	0.05	6020	03/12/04 16:36	7440-43-9	
Copper	15.1	mg/kg	0.50	6020	03/12/04 16:36	7440-50-8	
Lead	31.2	mg/kg	0.50	6020	03/12/04 16:36	7439-92-1	
Mercury	0.11	mg/kg	0.10	7471M	03/11/04 14:59	7439-97-6	
Nickel	15.0	mg/kg	0.50	6020	03/12/04 16:36	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:36	7440-22-4	
Vanadium	7.23	mg/kg	0.50	6020	03/12/04 16:36	7440-62-2	
Zinc	59.6	mg/kg	0.50	6020	03/12/04 16:36	7440-66-6	
Arsenic	1.08	mg/kg	0.10	6020	03/12/04 16:36	7440-38-2	
Beryllium	0.27	mg/kg	0.10	6020	03/12/04 16:36	7440-41-7	
Cobalt	4.12	mg/kg	0.50	6020	03/12/04 16:36	7440-48-4	
Chromium	36.9	mg/kg	0.50	6020	03/12/04 16:36	7440-47-3	
Manganese	284	mg/kg	0.50	6020	03/12/04 16:36	7439-96-5	
Selenium	0.22	mg/kg	0.20	6020	03/12/04 16:36	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:36	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 04:41	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 04:41	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 04:41	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 04:41	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 04:41	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 04:41	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.08 (continued)

Sample Tag: FA-8

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 04:41	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	78-87-5	
1,3-Dichlorobenzene	10	ug/kg	50	5035/8260B	03/11/04 04:41	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 04:41	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 04:41	591-78-6	
Isopropylbenzene	9	ug/kg	50	5035/8260B	03/11/04 04:41	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 04:41	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 04:41	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 04:41	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 04:41	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 04:41	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 04:41	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 04:41	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 04:41	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 04:41	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	600	8270C	03/09/04 21:28	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	600	8270C	03/09/04 21:28	208-96-8	XI
Acetophenone	Not detected	ug/kg	600	8270C	03/09/04 21:28	98-86-2	XI
Anthracene	Not detected	ug/kg	600	8270C	03/09/04 21:28	120-12-7	XI
Atrazine	Not detected	ug/kg	600	8270C	03/09/04 21:28	1912-24-9	XI
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	03/09/04 21:28	92-52-4	XI
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 21:28	101-55-3	XI
di-n-Butyl phthalate	70	ug/kg	600	8270C	03/09/04 21:28	84-74-2	1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

1-XIBJ



Analytical Laboratory Report

Lab Sample ID: S16246.08 (continued)

Sample Tag: FA-8

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	600	8270C	03/09/04 21:28	100-52-7	XI
Benzo(a)anthracene	100	ug/kg	600	8270C	03/09/04 21:28	56-55-3	XIJ
Benzo(a)pyrene	200	ug/kg	600	8270C	03/09/04 21:28	50-32-8	XIJ
Benzo(b)fluoranthene	300	ug/kg	600	8270C	03/09/04 21:28	205-99-2	XIJ
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	03/09/04 21:28	191-24-2	XI
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	03/09/04 21:28	207-08-9	XI
Butyl benzyl phthalate	1,700	ug/kg	600	8270C	03/09/04 21:28	85-68-7	XI
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/09/04 21:28	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/09/04 21:28	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 21:28	7005-72-3	XI
Caprolactam	Not detected	ug/kg	600	8270C	03/09/04 21:28	105-60-2	XI
Carbazole	Not detected	ug/kg	600	8270C	03/09/04 21:28	86-74-8	XI
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/09/04 21:28	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/09/04 21:28	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/09/04 21:28	108-60-1	XI
Chrysene	200	ug/kg	600	8270C	03/09/04 21:28	218-01-9	XIJ
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 21:28	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 21:28	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/09/04 21:28	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/09/04 21:28	53-70-3	XI
Dibenzofuran	Not detected	ug/kg	600	8270C	03/09/04 21:28	132-64-9	XI
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 21:28	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 21:28	131-11-3	XI
bis(2-Ethylhexyl)phthalate	80	ug/kg	600	8270C	03/09/04 21:28	117-81-7	XIJ
Fluoranthene	300	ug/kg	600	8270C	03/09/04 21:28	206-44-0	XIJ
Fluorene	Not detected	ug/kg	600	8270C	03/09/04 21:28	86-73-7	XI
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/09/04 21:28	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/09/04 21:28	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/09/04 21:28	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	600	8270C	03/09/04 21:28	67-72-1	XI
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	03/09/04 21:28	193-39-5	XI
Isophorone	Not detected	ug/kg	600	8270C	03/09/04 21:28	78-59-1	XI
2-Methylnaphthalene	90	ug/kg	600	8270C	03/09/04 21:28	91-57-6	XIJ
2-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 21:28	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 21:28	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 21:28	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	100-02-7	XI
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/09/04 21:28	621-64-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.08 (continued)

Sample Tag: FA-8

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/09/04 21:28	86-30-6	XI
Naphthalene	Not detected	ug/kg	600	8270C	03/09/04 21:28	91-20-3	XI
Nitrobenzene	Not detected	ug/kg	600	8270C	03/09/04 21:28	98-95-3	XI
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 21:28	117-84-0	XI
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	87-86-5	XI
Phenanthrene	200	ug/kg	600	8270C	03/09/04 21:28	85-01-8	XIJ
Phenol	900	ug/kg	600	8270C	03/09/04 21:28	108-95-2	XI
Pyrene	400	ug/kg	600	8270C	03/09/04 21:28	129-00-0	XIJ
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 21:28	88-06-2	XI
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	83-32-9	X
Acenaphthylene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	208-96-8	X
Acetophenone	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	98-86-2	X
Anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	120-12-7	X
Atrazine	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	84-74-2	X
Benzaldehyde	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	100-52-7	X
Benzo(a)anthracene	200	ug/kg	6,000	8270C	03/10/04 16:25	56-55-3	XJ
Benzo(a)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	207-08-9	X
Butyl benzyl phthalate	1,000	ug/kg	6,000	8270C	03/10/04 16:25	85-68-7	XJ
2-Chloronaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	7005-72-3	X
Caprolactam	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	105-60-2	X
Carbazole	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	108-60-1	X
Chrysene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	53-70-3	X
Dibenzofuran	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	132-64-9	X

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.08 (continued)

Sample Tag: FA-8

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Diethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	117-81-7	X
Fluoranthene	300	ug/kg	6,000	8270C	03/10/04 16:25	206-44-0	XJ
Fluorene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	77-47-4	X
Hexachloroethane	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	193-39-5	X
Isophorone	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	91-57-6	X
2-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	86-30-6	X
Naphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	91-20-3	X
Nitrobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	10,000	8270C	03/10/04 16:25	87-86-5	X
Phenanthrene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	85-01-8	X
Phenol	800	ug/kg	6,000	8270C	03/10/04 16:25	108-95-2	XJ
Pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 16:25	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 18:04	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 18:04	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 18:04	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 18:04	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 18:04	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 18:04	11097-69-1	
PCB-1260	20	ug/kg	330	8082	03/09/04 18:04	11096-82-5	J
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 18:04	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 18:04	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 18:04	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 18:04	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 18:04	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 18:04	11097-69-1	

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.08 (continued)

Sample Tag: FA-8

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1260	20	ug/kg	330	8082	03/09/04 18:04	11096-82-5	J

J-Estimated value less that reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.09

Sample Tag: FA-7

Collected Date/Time: 03/03/2004 15:45

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/04/04 16:00		
Extraction, PCB	Completed			3550B	03/11/04 14:30		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/10/04 16:00		

Inorganics

Total Solids	82	%	1	160.3	03/10/04 0:19		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:40	7440-36-0	
Barium	36.7	mg/kg	1.0	6020	03/12/04 16:40	7440-39-3	
Cadmium	0.33	mg/kg	0.05	6020	03/12/04 16:40	7440-43-9	
Copper	7.79	mg/kg	0.50	6020	03/12/04 16:40	7440-50-8	
Lead	20.4	mg/kg	0.50	6020	03/12/04 16:40	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:01	7439-97-6	
Nickel	4.30	mg/kg	0.50	6020	03/12/04 16:40	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:40	7440-22-4	
Vanadium	6.57	mg/kg	0.50	6020	03/12/04 16:40	7440-62-2	
Zinc	26.2	mg/kg	0.50	6020	03/12/04 16:40	7440-66-6	
Arsenic	2.45	mg/kg	0.10	6020	03/12/04 16:40	7440-38-2	
Beryllium	0.24	mg/kg	0.10	6020	03/12/04 16:40	7440-41-7	
Cobalt	2.08	mg/kg	0.50	6020	03/12/04 16:40	7440-48-4	
Chromium	3.88	mg/kg	0.50	6020	03/12/04 16:40	7440-47-3	
Manganese	166	mg/kg	0.50	6020	03/12/04 16:40	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 16:40	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:40	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 05:14	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 05:14	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 05:14	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 05:14	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 05:14	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 05:14	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.09 (continued)

Sample Tag: FA-7

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 05:14	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	78-87-5	
1,3-Dichlorobenzene	10	ug/kg	50	5035/8260B	03/11/04 05:14	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 05:14	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 05:14	591-78-6	
Isopropylbenzene	9	ug/kg	50	5035/8260B	03/11/04 05:14	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 05:14	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 05:14	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 05:14	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 05:14	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 05:14	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 05:14	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 05:14	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 05:14	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:14	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/09/04 18:43	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	03/09/04 18:43	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	03/09/04 18:43	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	03/09/04 18:43	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	03/09/04 18:43	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	03/09/04 18:43	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 18:43	101-55-3	
di-n-Butyl phthalate	40	ug/kg	330	8270C	03/09/04 18:43	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	03/09/04 18:43	100-52-7	
Benzo(a)anthracene	40	ug/kg	330	8270C	03/09/04 18:43	56-55-3	J

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.09 (continued)

Sample Tag: FA-7

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)pyrene	50	ug/kg	330	8270C	03/09/04 18:43	50-32-8	J
Benzo(b)fluoranthene	70	ug/kg	330	8270C	03/09/04 18:43	205-99-2	J
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/09/04 18:43	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/09/04 18:43	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:43	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/09/04 18:43	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:43	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/09/04 18:43	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	03/09/04 18:43	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	03/09/04 18:43	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/09/04 18:43	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/09/04 18:43	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/09/04 18:43	108-60-1	
Chrysene	40	ug/kg	330	8270C	03/09/04 18:43	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/09/04 18:43	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 18:43	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/09/04 18:43	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/09/04 18:43	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/09/04 18:43	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/09/04 18:43	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	03/09/04 18:43	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:43	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:43	131-11-3	
bis(2-Ethylhexyl)phthalate	40	ug/kg	330	8270C	03/09/04 18:43	117-81-7	J
Fluoranthene	100	ug/kg	330	8270C	03/09/04 18:43	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	03/09/04 18:43	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/09/04 18:43	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/09/04 18:43	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/09/04 18:43	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	03/09/04 18:43	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/09/04 18:43	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	03/09/04 18:43	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	03/09/04 18:43	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:43	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:43	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/09/04 18:43	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/09/04 18:43	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/09/04 18:43	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/09/04 18:43	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	03/09/04 18:43	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	03/09/04 18:43	98-95-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.09 (continued)

Sample Tag: FA-7

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/09/04 18:43	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/09/04 18:43	87-86-5	
Phenanthrene	50	ug/kg	330	8270C	03/09/04 18:43	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	108-95-2	
Pyrene	70	ug/kg	330	8270C	03/09/04 18:43	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/09/04 18:43	88-06-2	
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 22:09	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 22:09	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 22:09	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 22:09	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 22:09	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 22:09	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 22:09	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 22:09	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 22:09	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 22:09	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 22:09	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 22:09	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 22:09	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 22:09	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.10

Sample Tag: FA-9

Collected Date/Time: 03/03/2004 16:15

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	83	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 16:44	7440-36-0	
Barium	68.2	mg/kg	1.0	6020	03/12/04 16:44	7440-39-3	
Cadmium	0.37	mg/kg	0.05	6020	03/12/04 16:44	7440-43-9	
Copper	11.5	mg/kg	0.50	6020	03/12/04 16:44	7440-50-8	
Lead	27.0	mg/kg	0.50	6020	03/12/04 16:44	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:02	7439-97-6	
Nickel	11.1	mg/kg	0.50	6020	03/12/04 16:44	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 16:44	7440-22-4	
Vanadium	9.73	mg/kg	0.50	6020	03/12/04 16:44	7440-62-2	
Zinc	52.0	mg/kg	0.50	6020	03/12/04 16:44	7440-66-6	
Arsenic	1.23	mg/kg	0.10	6020	03/12/04 16:44	7440-38-2	
Beryllium	0.36	mg/kg	0.10	6020	03/12/04 16:44	7440-41-7	
Cobalt	9.01	mg/kg	0.50	6020	03/12/04 16:44	7440-48-4	
Chromium	10.0	mg/kg	0.50	6020	03/12/04 16:44	7440-47-3	
Manganese	475	mg/kg	0.50	6020	03/12/04 16:44	7439-96-5	
Selenium	0.24	mg/kg	0.20	6020	03/12/04 16:44	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 16:44	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 05:48	67-64-1	
2-Butanone (MEK)	500	ug/kg	800	5035/8260B	03/11/04 05:48	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 05:48	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 05:48	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 05:48	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 05:48	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.10 (continued)

Sample Tag: FA-9

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 05:48	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 05:48	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 05:48	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 05:48	591-78-6	
Isopropylbenzene	7	ug/kg	50	5035/8260B	03/11/04 05:48	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 05:48	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 05:48	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 05:48	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 05:48	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 05:48	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 05:48	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 05:48	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 05:48	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 05:48	106-42-3	

TCL Semi-Volatile Organics

Acenaphthene	100	ug/kg	600	8270C	03/09/04 22:09	83-32-9	XIJ
Acenaphthylene	50	ug/kg	600	8270C	03/09/04 22:09	208-96-8	XIJ
Acetophenone	Not detected	ug/kg	600	8270C	03/09/04 22:09	98-86-2	XI
Anthracene	300	ug/kg	600	8270C	03/09/04 22:09	120-12-7	XIJ
Atrazine	Not detected	ug/kg	600	8270C	03/09/04 22:09	1912-24-9	XI
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	03/09/04 22:09	92-52-4	XI
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 22:09	101-55-3	XI
di-n-Butyl phthalate	70	ug/kg	600	8270C	03/09/04 22:09	84-74-2	1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

1-XIBJ



Analytical Laboratory Report

Lab Sample ID: S16246.10 (continued)

Sample Tag: FA-9

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	600	8270C	03/09/04 22:09	100-52-7	XI
Benzo(a)anthracene	600	ug/kg	600	8270C	03/09/04 22:09	56-55-3	XI
Benzo(a)pyrene	200	ug/kg	600	8270C	03/09/04 22:09	50-32-8	XIJ
Benzo(b)fluoranthene	1,000	ug/kg	600	8270C	03/09/04 22:09	205-99-2	XI
Benzo(ghi)perylene	100	ug/kg	600	8270C	03/09/04 22:09	191-24-2	XIJ
Benzo(k)fluoranthene	400	ug/kg	600	8270C	03/09/04 22:09	207-08-9	XIJ
Butyl benzyl phthalate	100	ug/kg	600	8270C	03/09/04 22:09	85-68-7	XIJ
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/09/04 22:09	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/09/04 22:09	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/09/04 22:09	7005-72-3	XI
Caprolactam	Not detected	ug/kg	600	8270C	03/09/04 22:09	105-60-2	XI
Carbazole	200	ug/kg	600	8270C	03/09/04 22:09	86-74-8	XIJ
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/09/04 22:09	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/09/04 22:09	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/09/04 22:09	108-60-1	XI
Chrysene	500	ug/kg	600	8270C	03/09/04 22:09	218-01-9	XIJ
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 22:09	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/09/04 22:09	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/09/04 22:09	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/09/04 22:09	53-70-3	XI
Dibenzofuran	60	ug/kg	600	8270C	03/09/04 22:09	132-64-9	XIJ
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 22:09	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 22:09	131-11-3	XI
bis(2-Ethylhexyl)phthalate	500	ug/kg	600	8270C	03/09/04 22:09	117-81-7	XIJ
Fluoranthene	1,600	ug/kg	600	8270C	03/09/04 22:09	206-44-0	XI
Fluorene	100	ug/kg	600	8270C	03/09/04 22:09	86-73-7	XIJ
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/09/04 22:09	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/09/04 22:09	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/09/04 22:09	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	600	8270C	03/09/04 22:09	67-72-1	XI
Indeno(1,2,3-cd)pyrene	100	ug/kg	600	8270C	03/09/04 22:09	193-39-5	XIJ
Isophorone	Not detected	ug/kg	600	8270C	03/09/04 22:09	78-59-1	XI
2-Methylnaphthalene	Not detected	ug/kg	600	8270C	03/09/04 22:09	91-57-6	XI
2-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 22:09	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 22:09	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/09/04 22:09	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	100-02-7	XI
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/09/04 22:09	621-64-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.10 (continued)

Sample Tag: FA-9

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/09/04 22:09	86-30-6	XI
Naphthalene	60	ug/kg	600	8270C	03/09/04 22:09	91-20-3	XIJ
Nitrobenzene	Not detected	ug/kg	600	8270C	03/09/04 22:09	98-95-3	XI
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	03/09/04 22:09	117-84-0	XI
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	87-86-5	XI
Phenanthrene	1,300	ug/kg	600	8270C	03/09/04 22:09	85-01-8	XI
Phenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	108-95-2	XI
Pyrene	1,700	ug/kg	600	8270C	03/09/04 22:09	129-00-0	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/09/04 22:09	88-06-2	XI
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	83-32-9	X
Acenaphthylene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	208-96-8	X
Acetophenone	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	98-86-2	X
Anthracene	300	ug/kg	6,000	8270C	03/10/04 17:07	120-12-7	XJ
Atrazine	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	84-74-2	X
Benzaldehyde	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	100-52-7	X
Benzo(a)anthracene	600	ug/kg	6,000	8270C	03/10/04 17:07	56-55-3	XJ
Benzo(a)pyrene	600	ug/kg	6,000	8270C	03/10/04 17:07	50-32-8	XJ
Benzo(b)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	7005-72-3	X
Caprolactam	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	105-60-2	X
Carbazole	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	108-60-1	X
Chrysene	500	ug/kg	6,000	8270C	03/10/04 17:07	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	53-70-3	X
Dibenzofuran	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	132-64-9	X

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.10 (continued)

Sample Tag: FA-9

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Diethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	131-11-3	X
bis(2-Ethylhexyl)phthalate	300	ug/kg	6,000	8270C	03/10/04 17:07	117-81-7	XJ
Fluoranthene	1,000	ug/kg	6,000	8270C	03/10/04 17:07	206-44-0	XJ
Fluorene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	77-47-4	X
Hexachloroethane	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	193-39-5	X
Isophorone	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	91-57-6	X
2-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	86-30-6	X
Naphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	91-20-3	X
Nitrobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	10,000	8270C	03/10/04 17:07	87-86-5	X
Phenanthrene	1,000	ug/kg	6,000	8270C	03/10/04 17:07	85-01-8	XJ
Phenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	108-95-2	X
Pyrene	1,000	ug/kg	6,000	8270C	03/10/04 17:07	129-00-0	XJ
2,4,5-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 17:07	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 22:26	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 22:26	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 22:26	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 22:26	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 22:26	12672-29-6	
PCB-1254	30	ug/kg	330	8082	03/09/04 22:26	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 22:26	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 22:26	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 22:26	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 22:26	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 22:26	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 22:26	12672-29-6	
PCB-1254	30	ug/kg	330	8082	03/09/04 22:26	11097-69-1	J

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.10 (continued)

Sample Tag: FA-9

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 22:26	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.11

Sample Tag: FA-9MS

Collected Date/Time: 03/03/2004 16:15

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	86	%	1	160.3	03/08/04 17:02		

Metals

Antimony	22.5	mg/kg	0.50	6020	03/12/04 16:47	7440-36-0	
Barium	91.8	mg/kg	1.0	6020	03/12/04 16:47	7440-39-3	
Cadmium	23.58	mg/kg	0.05	6020	03/12/04 16:47	7440-43-9	
Copper	34.3	mg/kg	0.50	6020	03/12/04 16:47	7440-50-8	
Lead	50.6	mg/kg	0.50	6020	03/12/04 16:47	7439-92-1	
Mercury	0.28	mg/kg	0.10	7471M	03/11/04 15:04	7439-97-6	
Nickel	33.8	mg/kg	0.50	6020	03/12/04 16:47	7440-02-0	
Silver	23.03	mg/kg	0.20	6020	03/12/04 16:47	7440-22-4	
Vanadium	34.5	mg/kg	0.50	6020	03/12/04 16:47	7440-62-2	
Zinc	73.1	mg/kg	0.50	6020	03/12/04 16:47	7440-66-6	
Arsenic	24.5	mg/kg	0.10	6020	03/12/04 16:47	7440-38-2	
Beryllium	24.2	mg/kg	0.10	6020	03/12/04 16:47	7440-41-7	
Cobalt	32.7	mg/kg	0.50	6020	03/12/04 16:47	7440-48-4	
Chromium	34.1	mg/kg	0.50	6020	03/12/04 16:47	7440-47-3	
Manganese	494	mg/kg	0.50	6020	03/12/04 16:47	7439-96-5	
Selenium	21.7	mg/kg	0.20	6020	03/12/04 16:47	7782-49-2	
Thallium	23.5	mg/kg	0.10	6020	03/12/04 16:47	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	900	ug/kg	800	5035/8260B	03/10/04 22:06	67-64-1	T
2-Butanone (MEK)	1,500	ug/kg	800	5035/8260B	03/10/04 22:06	78-93-3	T
Benzene	1,540	ug/kg	50	5035/8260B	03/10/04 22:06	71-43-2	T
Bromodichloromethane	1,380	ug/kg	50	5035/8260B	03/10/04 22:06	75-27-4	T
Bromoform	980	ug/kg	50	5035/8260B	03/10/04 22:06	75-25-2	T
Bromomethane	1,000	ug/kg	300	5035/8260B	03/10/04 22:06	74-83-9	T
Carbon disulfide	1,100	ug/kg	300	5035/8260B	03/10/04 22:06	75-15-0	T
Carbon tetrachloride	1,120	ug/kg	50	5035/8260B	03/10/04 22:06	56-23-5	T
Chlorobenzene	1,410	ug/kg	50	5035/8260B	03/10/04 22:06	108-90-7	T
Chloroethane	200	ug/kg	300	5035/8260B	03/10/04 22:06	75-00-3	T
Chloroform	1,450	ug/kg	50	5035/8260B	03/10/04 22:06	67-66-3	T
Chloromethane	1,600	ug/kg	300	5035/8260B	03/10/04 22:06	74-87-3	T

T-No correction for total solids



Analytical Laboratory Report

Lab Sample ID: S16246.11 (continued)

Sample Tag: FA-9MS

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	1,510	ug/kg	50	5035/8260B	03/10/04 22:06	110-82-7	T
1,1-Dichloroethane	1,330	ug/kg	50	5035/8260B	03/10/04 22:06	75-34-3	T
1,1-Dichloroethene	1,310	ug/kg	50	5035/8260B	03/10/04 22:06	75-35-4	T
1,2-Dibromo-3-chloropropane	830	ug/kg	50	5035/8260B	03/10/04 22:06	96-12-8	T
1,2-Dibromoethane	1,420	ug/kg	50	5035/8260B	03/10/04 22:06	106-93-4	T
1,2-Dichlorobenzene	1,480	ug/kg	50	5035/8260B	03/10/04 22:06	95-50-1	T
1,2-Dichloroethane	1,440	ug/kg	50	5035/8260B	03/10/04 22:06	107-06-2	T
1,2-Dichloropropane	1,660	ug/kg	50	5035/8260B	03/10/04 22:06	78-87-5	T
1,3-Dichlorobenzene	1,520	ug/kg	50	5035/8260B	03/10/04 22:06	541-73-1	T
1,4-Dichlorobenzene	1,440	ug/kg	50	5035/8260B	03/10/04 22:06	106-46-7	T
cis-1,2-Dichloroethene	1,580	ug/kg	50	5035/8260B	03/10/04 22:06	156-59-2	T
cis-1,3-Dichloropropene	1,510	ug/kg	50	5035/8260B	03/10/04 22:06	10061-01-5	T
Dibromochloromethane	1,120	ug/kg	50	5035/8260B	03/10/04 22:06	124-48-1	T
Dichlorodifluoromethane	1,450	ug/kg	50	5035/8260B	03/10/04 22:06	75-71-8	T
trans-1,2-Dichloroethene	1,450	ug/kg	50	5035/8260B	03/10/04 22:06	156-60-5	T
trans-1,3-Dichloropropene	1,440	ug/kg	50	5035/8260B	03/10/04 22:06	10061-02-6	T
Ethylbenzene	1,520	ug/kg	50	5035/8260B	03/10/04 22:06	100-41-4	T
2-Hexanone	1,000	ug/kg	3,000	5035/8260B	03/10/04 22:06	591-78-6	T
Isopropylbenzene	1,630	ug/kg	50	5035/8260B	03/10/04 22:06	98-82-8	T
Methyl Acetate	1,000	ug/kg	3,000	5035/8260B	03/10/04 22:06	79-20-9	T
4-Methyl-2-pentanone (MIBK)	1,000	ug/kg	3,000	5035/8260B	03/10/04 22:06	108-10-1	T
tert-Methyl butyl ether (MTBE)	1,700	ug/kg	300	5035/8260B	03/10/04 22:06	1634-04-4	T
Methyl cyclohexane	1,680	ug/kg	50	5035/8260B	03/10/04 22:06	108-87-2	T
Methylene chloride	1,400	ug/kg	300	5035/8260B	03/10/04 22:06	75-09-2	T
Styrene	1,510	ug/kg	50	5035/8260B	03/10/04 22:06	100-42-5	T
1,1,1-Trichloroethane	1,280	ug/kg	50	5035/8260B	03/10/04 22:06	71-55-6	T
1,1,2,2-Tetrachloroethane	1,290	ug/kg	50	5035/8260B	03/10/04 22:06	79-34-5	T
1,1,2-Trichloro-1,2,2-trifluoroethane	1,500	ug/kg	100	5035/8260B	03/10/04 22:06	76-13-1	T
1,1,2-Trichloroethane	1,570	ug/kg	50	5035/8260B	03/10/04 22:06	79-00-5	T
1,2,4-Trichlorobenzene	1,000	ug/kg	100	5035/8260B	03/10/04 22:06	120-82-1	T
Tetrachloroethene	1,380	ug/kg	50	5035/8260B	03/10/04 22:06	127-18-4	T
Toluene	1,590	ug/kg	50	5035/8260B	03/10/04 22:06	108-88-3	T
Trichloroethene	1,390	ug/kg	50	5035/8260B	03/10/04 22:06	79-01-6	T
Trichlorofluoromethane	1,300	ug/kg	100	5035/8260B	03/10/04 22:06	75-69-4	T
Vinyl chloride	1,500	ug/kg	100	5035/8260B	03/10/04 22:06	75-01-4	T
o-Xylene	1,520	ug/kg	50	5035/8260B	03/10/04 22:06	95-47-6	T
p,m-Xylene	3,190	ug/kg	50	5035/8260B	03/10/04 22:06	106-42-3	T

TCL Semi-Volatile Organics

Acenaphthene	1,500	ug/kg	600	8270C	03/09/04 22:50	83-32-9	XI
Acenaphthylene	1,600	ug/kg	600	8270C	03/09/04 22:50	208-96-8	XI
Acetophenone	1,400	ug/kg	600	8270C	03/09/04 22:50	98-86-2	XI
Anthracene	1,800	ug/kg	600	8270C	03/09/04 22:50	120-12-7	XI
Atrazine	1,500	ug/kg	600	8270C	03/09/04 22:50	1912-24-9	XI
1,1'-Biphenyl	1,900	ug/kg	600	8270C	03/09/04 22:50	92-52-4	XI
4-Bromophenyl phenyl ether	1,500	ug/kg	600	8270C	03/09/04 22:50	101-55-3	XI
di-n-Butyl phthalate	1,600	ug/kg	600	8270C	03/09/04 22:50	84-74-2	XIB

T-No correction for total solids

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

B-Compound also found in associated method blank



Analytical Laboratory Report

Lab Sample ID: S16246.11 (continued)

Sample Tag: FA-9MS

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	1,300	ug/kg	600	8270C	03/09/04 22:50	100-52-7	XI
Benzo(a)anthracene	1,500	ug/kg	600	8270C	03/09/04 22:50	56-55-3	XI
Benzo(a)pyrene	1,800	ug/kg	600	8270C	03/09/04 22:50	50-32-8	XI
Benzo(b)fluoranthene	2,500	ug/kg	600	8270C	03/09/04 22:50	205-99-2	XI
Benzo(ghi)perylene	400	ug/kg	600	8270C	03/09/04 22:50	191-24-2	XIJ
Benzo(k)fluoranthene	2,300	ug/kg	600	8270C	03/09/04 22:50	207-08-9	XI
Butyl benzyl phthalate	1,900	ug/kg	600	8270C	03/09/04 22:50	85-68-7	XI
2-Chloronaphthalene	1,600	ug/kg	600	8270C	03/09/04 22:50	91-58-7	XI
2-Chlorophenol	1,400	ug/kg	600	8270C	03/09/04 22:50	95-57-8	XI
4-Chloro-3-methylphenol	1,700	ug/kg	600	8270C	03/09/04 22:50	59-50-7	XI
4-Chloroaniline	1,300	ug/kg	600	8270C	03/09/04 22:50	106-47-8	XI
4-Chlorophenyl phenyl ether	1,400	ug/kg	600	8270C	03/09/04 22:50	7005-72-3	XI
Caprolactam	1,500	ug/kg	600	8270C	03/09/04 22:50	105-60-2	XI
Carbazole	1,700	ug/kg	600	8270C	03/09/04 22:50	86-74-8	XI
bis(2-Chloroethoxy)methane	1,400	ug/kg	600	8270C	03/09/04 22:50	111-91-1	XI
bis(2-Chloroethyl)ether	1,300	ug/kg	600	8270C	03/09/04 22:50	111-44-4	XI
bis(2-Chloroisopropyl)ether	1,400	ug/kg	600	8270C	03/09/04 22:50	108-60-1	XI
Chrysene	1,500	ug/kg	600	8270C	03/09/04 22:50	218-01-9	XI
2,4-Dichlorophenol	1,400	ug/kg	600	8270C	03/09/04 22:50	120-83-2	XI
2,4-Dimethylphenol	1,700	ug/kg	600	8270C	03/09/04 22:50	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/09/04 22:50	51-28-5	XI
2,4-Dinitrotoluene	1,000	ug/kg	600	8270C	03/09/04 22:50	121-14-2	XI
2,6-Dinitrotoluene	1,100	ug/kg	600	8270C	03/09/04 22:50	606-20-2	XI
3,3'-Dichlorobenzidine	1,100	ug/kg	600	8270C	03/09/04 22:50	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 22:50	534-52-1	XI
Dibenzo(ah)anthracene	400	ug/kg	600	8270C	03/09/04 22:50	53-70-3	XIJ
Dibenzofuran	1,400	ug/kg	600	8270C	03/09/04 22:50	132-64-9	XI
Diethyl phthalate	1,400	ug/kg	600	8270C	03/09/04 22:50	84-66-2	XI
Dimethyl phthalate	1,500	ug/kg	600	8270C	03/09/04 22:50	131-11-3	XI
bis(2-Ethylhexyl)phthalate	2,500	ug/kg	600	8270C	03/09/04 22:50	117-81-7	XI
Fluoranthene	2,200	ug/kg	600	8270C	03/09/04 22:50	206-44-0	XI
Fluorene	1,500	ug/kg	600	8270C	03/09/04 22:50	86-73-7	XI
Hexachlorobenzene	1,500	ug/kg	600	8270C	03/09/04 22:50	118-74-1	XI
Hexachlorobutadiene	1,200	ug/kg	600	8270C	03/09/04 22:50	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/09/04 22:50	77-47-4	XI
Hexachloroethane	800	ug/kg	600	8270C	03/09/04 22:50	67-72-1	XI
Indeno(1,2,3-cd)pyrene	400	ug/kg	600	8270C	03/09/04 22:50	193-39-5	XIJ
Isophorone	1,500	ug/kg	600	8270C	03/09/04 22:50	78-59-1	XI
2-Methylnaphthalene	1,300	ug/kg	600	8270C	03/09/04 22:50	91-57-6	XI
2-Methylphenol	1,500	ug/kg	600	8270C	03/09/04 22:50	95-48-7	XI
3-, 4-Methylphenol	1,500	ug/kg	600	8270C	03/09/04 22:50	108-39-4	XI
2-Nitroaniline	1,400	ug/kg	600	8270C	03/09/04 22:50	88-74-4	XI
2-Nitrophenol	600	ug/kg	600	8270C	03/09/04 22:50	88-75-5	XI
3-Nitroaniline	1,100	ug/kg	600	8270C	03/09/04 22:50	99-09-2	XI
4-Nitroaniline	1,500	ug/kg	600	8270C	03/09/04 22:50	100-01-6	XI
4-Nitrophenol	1,300	ug/kg	600	8270C	03/09/04 22:50	100-02-7	XI
N-Nitrosodi-n-propylamine	1,400	ug/kg	600	8270C	03/09/04 22:50	621-64-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.11 (continued)

Sample Tag: FA-9MS

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	1,700	ug/kg	600	8270C	03/09/04 22:50	86-30-6	XI
Naphthalene	1,400	ug/kg	600	8270C	03/09/04 22:50	91-20-3	XI
Nitrobenzene	1,400	ug/kg	600	8270C	03/09/04 22:50	98-95-3	XI
di-n-Octyl phthalate	1,600	ug/kg	600	8270C	03/09/04 22:50	117-84-0	XI
Pentachlorophenol	1,500	ug/kg	600	8270C	03/09/04 22:50	87-86-5	XI
Phenanthrene	1,800	ug/kg	600	8270C	03/09/04 22:50	85-01-8	XI
Phenol	1,400	ug/kg	600	8270C	03/09/04 22:50	108-95-2	XI
Pyrene	2,900	ug/kg	600	8270C	03/09/04 22:50	129-00-0	XI
2,4,5-Trichlorophenol	1,500	ug/kg	600	8270C	03/09/04 22:50	95-95-4	XI
2,4,6-Trichlorophenol	1,600	ug/kg	600	8270C	03/09/04 22:50	88-06-2	XI
TCL PCB List (Column 1)							
PCB-1016	20	ug/kg	330	8082	03/09/04 17:28	12674-11-2	J
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 17:28	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 17:28	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 17:28	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 17:28	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 17:28	11097-69-1	
PCB-1260	20	ug/kg	330	8082	03/09/04 17:28	11096-82-5	J
TCL PCB List (Column 2)							
PCB-1016	20	ug/kg	330	8082	03/09/04 17:28	12674-11-2	J
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 17:28	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 17:28	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 17:28	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 17:28	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 17:28	11097-69-1	
PCB-1260	20	ug/kg	330	8082	03/09/04 17:28	11096-82-5	J

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.12

Sample Tag: FA-9MSD

Collected Date/Time: 03/03/2004 16:15

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	86	%	1	160.3	03/08/04 17:02		

Metals

Antimony	22.6	mg/kg	0.50	6020	03/12/04 16:51	7440-36-0	
Barium	91.9	mg/kg	1.0	6020	03/12/04 16:51	7440-39-3	
Cadmium	23.81	mg/kg	0.05	6020	03/12/04 16:51	7440-43-9	
Copper	34.5	mg/kg	0.50	6020	03/12/04 16:51	7440-50-8	
Lead	50.3	mg/kg	0.50	6020	03/12/04 16:51	7439-92-1	
Mercury	0.24	mg/kg	0.10	7471M	03/11/04 15:06	7439-97-6	
Nickel	34.0	mg/kg	0.50	6020	03/12/04 16:51	7440-02-0	
Silver	23.29	mg/kg	0.20	6020	03/12/04 16:51	7440-22-4	
Vanadium	35.6	mg/kg	0.50	6020	03/12/04 16:51	7440-62-2	
Zinc	73.2	mg/kg	0.50	6020	03/12/04 16:51	7440-66-6	
Arsenic	24.4	mg/kg	0.10	6020	03/12/04 16:51	7440-38-2	
Beryllium	24.2	mg/kg	0.10	6020	03/12/04 16:51	7440-41-7	
Cobalt	32.0	mg/kg	0.50	6020	03/12/04 16:51	7440-48-4	
Chromium	35.1	mg/kg	0.50	6020	03/12/04 16:51	7440-47-3	
Manganese	498	mg/kg	0.50	6020	03/12/04 16:51	7439-96-5	
Selenium	21.8	mg/kg	0.20	6020	03/12/04 16:51	7782-49-2	
Thallium	23.5	mg/kg	0.10	6020	03/12/04 16:51	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	900	ug/kg	800	5035/8260B	03/10/04 22:38	67-64-1	T
2-Butanone (MEK)	1,400	ug/kg	800	5035/8260B	03/10/04 22:38	78-93-3	T
Benzene	1,520	ug/kg	50	5035/8260B	03/10/04 22:38	71-43-2	T
Bromodichloromethane	1,160	ug/kg	50	5035/8260B	03/10/04 22:38	75-27-4	T
Bromoform	820	ug/kg	50	5035/8260B	03/10/04 22:38	75-25-2	T
Bromomethane	1,000	ug/kg	300	5035/8260B	03/10/04 22:38	74-83-9	T
Carbon disulfide	1,200	ug/kg	300	5035/8260B	03/10/04 22:38	75-15-0	T
Carbon tetrachloride	1,130	ug/kg	50	5035/8260B	03/10/04 22:38	56-23-5	T
Chlorobenzene	1,300	ug/kg	50	5035/8260B	03/10/04 22:38	108-90-7	T
Chloroethane	200	ug/kg	300	5035/8260B	03/10/04 22:38	75-00-3	T
Chloroform	1,430	ug/kg	50	5035/8260B	03/10/04 22:38	67-66-3	T
Chloromethane	1,700	ug/kg	300	5035/8260B	03/10/04 22:38	74-87-3	T

T-No correction for total solids



Analytical Laboratory Report

Lab Sample ID: S16246.12 (continued)

Sample Tag: FA-9MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	1,570	ug/kg	50	5035/8260B	03/10/04 22:38	110-82-7	T
1,1-Dichloroethane	1,390	ug/kg	50	5035/8260B	03/10/04 22:38	75-34-3	T
1,1-Dichloroethene	1,420	ug/kg	50	5035/8260B	03/10/04 22:38	75-35-4	T
1,2-Dibromo-3-chloropropane	770	ug/kg	50	5035/8260B	03/10/04 22:38	96-12-8	T
1,2-Dibromoethane	1,260	ug/kg	50	5035/8260B	03/10/04 22:38	106-93-4	T
1,2-Dichlorobenzene	1,380	ug/kg	50	5035/8260B	03/10/04 22:38	95-50-1	T
1,2-Dichloroethane	1,380	ug/kg	50	5035/8260B	03/10/04 22:38	107-06-2	T
1,2-Dichloropropane	1,460	ug/kg	50	5035/8260B	03/10/04 22:38	78-87-5	T
1,3-Dichlorobenzene	1,410	ug/kg	50	5035/8260B	03/10/04 22:38	541-73-1	T
1,4-Dichlorobenzene	1,380	ug/kg	50	5035/8260B	03/10/04 22:38	106-46-7	T
cis-1,2-Dichloroethene	1,570	ug/kg	50	5035/8260B	03/10/04 22:38	156-59-2	T
cis-1,3-Dichloropropene	1,340	ug/kg	50	5035/8260B	03/10/04 22:38	10061-01-5	T
Dibromochloromethane	970	ug/kg	50	5035/8260B	03/10/04 22:38	124-48-1	T
Dichlorodifluoromethane	1,360	ug/kg	50	5035/8260B	03/10/04 22:38	75-71-8	T
trans-1,2-Dichloroethene	1,540	ug/kg	50	5035/8260B	03/10/04 22:38	156-60-5	T
trans-1,3-Dichloropropene	1,220	ug/kg	50	5035/8260B	03/10/04 22:38	10061-02-6	T
Ethylbenzene	1,430	ug/kg	50	5035/8260B	03/10/04 22:38	100-41-4	T
2-Hexanone	900	ug/kg	3,000	5035/8260B	03/10/04 22:38	591-78-6	T
Isopropylbenzene	1,630	ug/kg	50	5035/8260B	03/10/04 22:38	98-82-8	T
Methyl Acetate	2,000	ug/kg	3,000	5035/8260B	03/10/04 22:38	79-20-9	T
4-Methyl-2-pentanone (MIBK)	1,000	ug/kg	3,000	5035/8260B	03/10/04 22:38	108-10-1	T
tert-Methyl butyl ether (MTBE)	1,800	ug/kg	300	5035/8260B	03/10/04 22:38	1634-04-4	T
Methyl cyclohexane	1,650	ug/kg	50	5035/8260B	03/10/04 22:38	108-87-2	T
Methylene chloride	1,500	ug/kg	300	5035/8260B	03/10/04 22:38	75-09-2	T
Styrene	1,410	ug/kg	50	5035/8260B	03/10/04 22:38	100-42-5	T
1,1,1-Trichloroethane	1,330	ug/kg	50	5035/8260B	03/10/04 22:38	71-55-6	T
1,1,2,2-Tetrachloroethane	1,180	ug/kg	50	5035/8260B	03/10/04 22:38	79-34-5	T
1,1,2-Trichloro-1,2,2-trifluoroethane	1,600	ug/kg	100	5035/8260B	03/10/04 22:38	76-13-1	T
1,1,2-Trichloroethane	1,310	ug/kg	50	5035/8260B	03/10/04 22:38	79-00-5	T
1,2,4-Trichlorobenzene	900	ug/kg	100	5035/8260B	03/10/04 22:38	120-82-1	T
Tetrachloroethene	1,280	ug/kg	50	5035/8260B	03/10/04 22:38	127-18-4	T
Toluene	1,450	ug/kg	50	5035/8260B	03/10/04 22:38	108-88-3	T
Trichloroethene	1,310	ug/kg	50	5035/8260B	03/10/04 22:38	79-01-6	T
Trichlorofluoromethane	1,300	ug/kg	100	5035/8260B	03/10/04 22:38	75-69-4	T
Vinyl chloride	1,500	ug/kg	100	5035/8260B	03/10/04 22:38	75-01-4	T
o-Xylene	1,450	ug/kg	50	5035/8260B	03/10/04 22:38	95-47-6	T
p,m-Xylene	3,070	ug/kg	50	5035/8260B	03/10/04 22:38	106-42-3	T

TCL Semi-Volatile Organics

Acenaphthene	1,400	ug/kg	600	8270C	03/09/04 23:31	83-32-9	XI
Acenaphthylene	1,500	ug/kg	600	8270C	03/09/04 23:31	208-96-8	XI
Acetophenone	1,200	ug/kg	600	8270C	03/09/04 23:31	98-86-2	XI
Anthracene	1,800	ug/kg	600	8270C	03/09/04 23:31	120-12-7	XI
Atrazine	1,400	ug/kg	600	8270C	03/09/04 23:31	1912-24-9	XI
1,1'-Biphenyl	1,800	ug/kg	600	8270C	03/09/04 23:31	92-52-4	XI
4-Bromophenyl phenyl ether	1,500	ug/kg	600	8270C	03/09/04 23:31	101-55-3	XI
di-n-Butyl phthalate	1,500	ug/kg	600	8270C	03/09/04 23:31	84-74-2	XIB

T-No correction for total solids

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

B-Compound also found in associated method blank



Analytical Laboratory Report

Lab Sample ID: S16246.12 (continued)

Sample Tag: FA-9MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	1,100	ug/kg	600	8270C	03/09/04 23:31	100-52-7	XI
Benzo(a)anthracene	1,600	ug/kg	600	8270C	03/09/04 23:31	56-55-3	XI
Benzo(a)pyrene	2,000	ug/kg	600	8270C	03/09/04 23:31	50-32-8	XI
Benzo(b)fluoranthene	3,000	ug/kg	600	8270C	03/09/04 23:31	205-99-2	XI
Benzo(ghi)perylene	400	ug/kg	600	8270C	03/09/04 23:31	191-24-2	XIJ
Benzo(k)fluoranthene	2,400	ug/kg	600	8270C	03/09/04 23:31	207-08-9	XI
Butyl benzyl phthalate	2,200	ug/kg	600	8270C	03/09/04 23:31	85-68-7	XI
2-Chloronaphthalene	1,400	ug/kg	600	8270C	03/09/04 23:31	91-58-7	XI
2-Chlorophenol	1,200	ug/kg	600	8270C	03/09/04 23:31	95-57-8	XI
4-Chloro-3-methylphenol	1,600	ug/kg	600	8270C	03/09/04 23:31	59-50-7	XI
4-Chloroaniline	900	ug/kg	600	8270C	03/09/04 23:31	106-47-8	XI
4-Chlorophenyl phenyl ether	1,400	ug/kg	600	8270C	03/09/04 23:31	7005-72-3	XI
Caprolactam	1,300	ug/kg	600	8270C	03/09/04 23:31	105-60-2	XI
Carbazole	1,600	ug/kg	600	8270C	03/09/04 23:31	86-74-8	XI
bis(2-Chloroethoxy)methane	1,300	ug/kg	600	8270C	03/09/04 23:31	111-91-1	XI
bis(2-Chloroethyl)ether	1,200	ug/kg	600	8270C	03/09/04 23:31	111-44-4	XI
bis(2-Chloroisopropyl)ether	1,200	ug/kg	600	8270C	03/09/04 23:31	108-60-1	XI
Chrysene	1,700	ug/kg	600	8270C	03/09/04 23:31	218-01-9	XI
2,4-Dichlorophenol	1,300	ug/kg	600	8270C	03/09/04 23:31	120-83-2	XI
2,4-Dimethylphenol	1,500	ug/kg	600	8270C	03/09/04 23:31	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/09/04 23:31	51-28-5	XI
2,4-Dinitrotoluene	900	ug/kg	600	8270C	03/09/04 23:31	121-14-2	XI
2,6-Dinitrotoluene	1,100	ug/kg	600	8270C	03/09/04 23:31	606-20-2	XI
3,3'-Dichlorobenzidine	900	ug/kg	600	8270C	03/09/04 23:31	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/09/04 23:31	534-52-1	XI
Dibenzo(ah)anthracene	500	ug/kg	600	8270C	03/09/04 23:31	53-70-3	XIJ
Dibenzofuran	1,400	ug/kg	600	8270C	03/09/04 23:31	132-64-9	XI
Diethyl phthalate	1,400	ug/kg	600	8270C	03/09/04 23:31	84-66-2	XI
Dimethyl phthalate	1,400	ug/kg	600	8270C	03/09/04 23:31	131-11-3	XI
bis(2-Ethylhexyl)phthalate	3,000	ug/kg	600	8270C	03/09/04 23:31	117-81-7	XI
Fluoranthene	2,600	ug/kg	600	8270C	03/09/04 23:31	206-44-0	XI
Fluorene	1,400	ug/kg	600	8270C	03/09/04 23:31	86-73-7	XI
Hexachlorobenzene	1,400	ug/kg	600	8270C	03/09/04 23:31	118-74-1	XI
Hexachlorobutadiene	1,100	ug/kg	600	8270C	03/09/04 23:31	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/09/04 23:31	77-47-4	XI
Hexachloroethane	600	ug/kg	600	8270C	03/09/04 23:31	67-72-1	XI
Indeno(1,2,3-cd)pyrene	500	ug/kg	600	8270C	03/09/04 23:31	193-39-5	XIJ
Isophorone	1,400	ug/kg	600	8270C	03/09/04 23:31	78-59-1	XI
2-Methylnaphthalene	1,200	ug/kg	600	8270C	03/09/04 23:31	91-57-6	XI
2-Methylphenol	1,300	ug/kg	600	8270C	03/09/04 23:31	95-48-7	XI
3-, 4-Methylphenol	1,500	ug/kg	600	8270C	03/09/04 23:31	108-39-4	XI
2-Nitroaniline	1,300	ug/kg	600	8270C	03/09/04 23:31	88-74-4	XI
2-Nitrophenol	500	ug/kg	600	8270C	03/09/04 23:31	88-75-5	XIJ
3-Nitroaniline	1,000	ug/kg	600	8270C	03/09/04 23:31	99-09-2	XI
4-Nitroaniline	1,300	ug/kg	600	8270C	03/09/04 23:31	100-01-6	XI
4-Nitrophenol	1,100	ug/kg	600	8270C	03/09/04 23:31	100-02-7	XI
N-Nitrosodi-n-propylamine	1,300	ug/kg	600	8270C	03/09/04 23:31	621-64-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.12 (continued)

Sample Tag: FA-9MSD

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	1,700	ug/kg	600	8270C	03/09/04 23:31	86-30-6	XI
Naphthalene	1,300	ug/kg	600	8270C	03/09/04 23:31	91-20-3	XI
Nitrobenzene	1,200	ug/kg	600	8270C	03/09/04 23:31	98-95-3	XI
di-n-Octyl phthalate	1,600	ug/kg	600	8270C	03/09/04 23:31	117-84-0	XI
Pentachlorophenol	1,300	ug/kg	600	8270C	03/09/04 23:31	87-86-5	XI
Phenanthrene	2,500	ug/kg	600	8270C	03/09/04 23:31	85-01-8	XI
Phenol	1,300	ug/kg	600	8270C	03/09/04 23:31	108-95-2	XI
Pyrene	3,900	ug/kg	600	8270C	03/09/04 23:31	129-00-0	XI
2,4,5-Trichlorophenol	1,400	ug/kg	600	8270C	03/09/04 23:31	95-95-4	XI
2,4,6-Trichlorophenol	1,500	ug/kg	600	8270C	03/09/04 23:31	88-06-2	XI
TCL PCB List (Column 1)							
PCB-1016	20	ug/kg	330	8082	03/09/04 17:46	12674-11-2	J
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 17:46	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 17:46	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 17:46	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 17:46	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 17:46	11097-69-1	
PCB-1260	30	ug/kg	330	8082	03/09/04 17:46	11096-82-5	J
TCL PCB List (Column 2)							
PCB-1016	20	ug/kg	330	8082	03/09/04 17:46	12674-11-2	J
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 17:46	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 17:46	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 17:46	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 17:46	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 17:46	11097-69-1	
PCB-1260	30	ug/kg	330	8082	03/09/04 17:46	11096-82-5	J

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.13

Sample Tag: FA-10

Collected Date/Time: 03/03/2004 16:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	90	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:07	7440-36-0	
Barium	76.7	mg/kg	1.0	6020	03/12/04 17:07	7440-39-3	
Cadmium	0.28	mg/kg	0.05	6020	03/12/04 17:07	7440-43-9	
Copper	19.0	mg/kg	0.50	6020	03/12/04 17:07	7440-50-8	
Lead	11.4	mg/kg	0.50	6020	03/12/04 17:07	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:13	7439-97-6	
Nickel	28.4	mg/kg	0.50	6020	03/12/04 17:07	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:07	7440-22-4	
Vanadium	15.3	mg/kg	0.50	6020	03/12/04 17:07	7440-62-2	
Zinc	38.6	mg/kg	0.50	6020	03/12/04 17:07	7440-66-6	
Arsenic	1.16	mg/kg	0.10	6020	03/12/04 17:07	7440-38-2	
Beryllium	0.50	mg/kg	0.10	6020	03/12/04 17:07	7440-41-7	
Cobalt	10.6	mg/kg	0.50	6020	03/12/04 17:07	7440-48-4	
Chromium	41.3	mg/kg	0.50	6020	03/12/04 17:07	7440-47-3	
Manganese	681	mg/kg	0.50	6020	03/12/04 17:07	7439-96-5	
Selenium	0.27	mg/kg	0.20	6020	03/12/04 17:07	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:07	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 06:21	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	03/11/04 06:21	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 06:21	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 06:21	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 06:21	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 06:21	74-87-3	
Cyclohexane	120	ug/kg	50	5035/8260B	03/11/04 06:21	110-82-7	



Analytical Laboratory Report

Lab Sample ID: S16246.13 (continued)

Sample Tag: FA-10

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 06:21	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 06:21	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 06:21	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	10061-02-6	
Ethylbenzene	10	ug/kg	50	5035/8260B	03/11/04 06:21	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 06:21	591-78-6	
Isopropylbenzene	20	ug/kg	50	5035/8260B	03/11/04 06:21	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 06:21	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 06:21	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 06:21	1634-04-4	
Methyl cyclohexane	160	ug/kg	50	5035/8260B	03/11/04 06:21	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 06:21	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 06:21	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 06:21	120-82-1	
Tetrachloroethene	30	ug/kg	50	5035/8260B	03/11/04 06:21	127-18-4	J
Toluene	30	ug/kg	50	5035/8260B	03/11/04 06:21	108-88-3	J
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 06:21	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 06:21	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 06:21	75-01-4	
o-Xylene	30	ug/kg	50	5035/8260B	03/11/04 06:21	95-47-6	BJ
p,m-Xylene	40	ug/kg	50	5035/8260B	03/11/04 06:21	106-42-3	BJ
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	600	8270C	03/10/04 03:51	83-32-9	X
Acenaphthylene	Not detected	ug/kg	600	8270C	03/10/04 03:51	208-96-8	X
Acetophenone	Not detected	ug/kg	600	8270C	03/10/04 03:51	98-86-2	X
Anthracene	20	ug/kg	600	8270C	03/10/04 03:51	120-12-7	XJ
Atrazine	Not detected	ug/kg	600	8270C	03/10/04 03:51	1912-24-9	X
1,1'-Biphenyl	30	ug/kg	600	8270C	03/10/04 03:51	92-52-4	XJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/10/04 03:51	101-55-3	X
di-n-Butyl phthalate	100	ug/kg	600	8270C	03/10/04 03:51	84-74-2	XB
Benzaldehyde	Not detected	ug/kg	600	8270C	03/10/04 03:51	100-52-7	X

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.13 (continued)

Sample Tag: FA-10

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)anthracene	100	ug/kg	600	8270C	03/10/04 03:51	56-55-3	XJ
Benzo(a)pyrene	200	ug/kg	600	8270C	03/10/04 03:51	50-32-8	XJ
Benzo(b)fluoranthene	300	ug/kg	600	8270C	03/10/04 03:51	205-99-2	XJ
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	03/10/04 03:51	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	03/10/04 03:51	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 03:51	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/10/04 03:51	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/10/04 03:51	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/10/04 03:51	7005-72-3	X
Caprolactam	Not detected	ug/kg	600	8270C	03/10/04 03:51	105-60-2	X
Carbazole	30	ug/kg	600	8270C	03/10/04 03:51	86-74-8	XJ
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/10/04 03:51	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/10/04 03:51	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/10/04 03:51	108-60-1	X
Chrysene	100	ug/kg	600	8270C	03/10/04 03:51	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/10/04 03:51	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/10/04 03:51	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/10/04 03:51	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/10/04 03:51	53-70-3	X
Dibenzofuran	40	ug/kg	600	8270C	03/10/04 03:51	132-64-9	XJ
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 03:51	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 03:51	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	600	8270C	03/10/04 03:51	117-81-7	X
Fluoranthene	200	ug/kg	600	8270C	03/10/04 03:51	206-44-0	XJ
Fluorene	Not detected	ug/kg	600	8270C	03/10/04 03:51	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/10/04 03:51	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/10/04 03:51	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/10/04 03:51	77-47-4	X
Hexachloroethane	Not detected	ug/kg	600	8270C	03/10/04 03:51	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	03/10/04 03:51	193-39-5	X
Isophorone	Not detected	ug/kg	600	8270C	03/10/04 03:51	78-59-1	X
2-Methylnaphthalene	200	ug/kg	600	8270C	03/10/04 03:51	91-57-6	XJ
2-Methylphenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 03:51	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 03:51	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 03:51	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/10/04 03:51	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/10/04 03:51	86-30-6	X
Naphthalene	100	ug/kg	600	8270C	03/10/04 03:51	91-20-3	XJ

X-Elevated reporting limit due to matrix interference J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.13 (continued)

Sample Tag: FA-10

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Nitrobenzene	Not detected	ug/kg	600	8270C	03/10/04 03:51	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 03:51	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	87-86-5	X
Phenanthrene	200	ug/kg	600	8270C	03/10/04 03:51	85-01-8	XJ
Phenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	108-95-2	X
Pyrene	200	ug/kg	600	8270C	03/10/04 03:51	129-00-0	XJ
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 03:51	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 22:44	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 22:44	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 22:44	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 22:44	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 22:44	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 22:44	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 22:44	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 22:44	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 22:44	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 22:44	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 22:44	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 22:44	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 22:44	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 22:44	11096-82-5	

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.14

Sample Tag: FA-6

Collected Date/Time: 03/03/2004 16:40

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	87	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:10	7440-36-0	
Barium	28.8	mg/kg	1.0	6020	03/12/04 17:10	7440-39-3	
Cadmium	0.14	mg/kg	0.05	6020	03/12/04 17:10	7440-43-9	
Copper	4.28	mg/kg	0.50	6020	03/12/04 17:10	7440-50-8	
Lead	10.7	mg/kg	0.50	6020	03/12/04 17:10	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:15	7439-97-6	
Nickel	3.33	mg/kg	0.50	6020	03/12/04 17:10	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:10	7440-22-4	
Vanadium	5.12	mg/kg	0.50	6020	03/12/04 17:10	7440-62-2	
Zinc	16.7	mg/kg	0.50	6020	03/12/04 17:10	7440-66-6	
Arsenic	0.99	mg/kg	0.10	6020	03/12/04 17:10	7440-38-2	
Beryllium	0.20	mg/kg	0.10	6020	03/12/04 17:10	7440-41-7	
Cobalt	3.19	mg/kg	0.50	6020	03/12/04 17:10	7440-48-4	
Chromium	3.67	mg/kg	0.50	6020	03/12/04 17:10	7440-47-3	
Manganese	191	mg/kg	0.50	6020	03/12/04 17:10	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:10	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:10	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 10:45	67-64-1	
2-Butanone (MEK)	400	ug/kg	800	5035/8260B	03/11/04 10:45	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 10:45	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 10:45	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 10:45	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 10:45	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.14 (continued)

Sample Tag: FA-6

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	106-93-4	
1,2-Dichlorobenzene	30	ug/kg	50	5035/8260B	03/11/04 10:45	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 10:45	541-73-1	BJ
1,4-Dichlorobenzene	30	ug/kg	50	5035/8260B	03/11/04 10:45	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 10:45	591-78-6	
Isopropylbenzene	10	ug/kg	50	5035/8260B	03/11/04 10:45	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 10:45	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 10:45	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 10:45	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 10:45	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 10:45	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	79-00-5	
1,2,4-Trichlorobenzene	30	ug/kg	100	5035/8260B	03/11/04 10:45	120-82-1	BJ
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 10:45	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 10:45	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 10:45	75-01-4	
o-Xylene	6	ug/kg	50	5035/8260B	03/11/04 10:45	95-47-6	BJ
p,m-Xylene	20	ug/kg	50	5035/8260B	03/11/04 10:45	106-42-3	BJ
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/10/04 04:33	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	03/10/04 04:33	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	03/10/04 04:33	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	03/10/04 04:33	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	03/10/04 04:33	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	03/10/04 04:33	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 04:33	101-55-3	
di-n-Butyl phthalate	60	ug/kg	330	8270C	03/10/04 04:33	84-74-2	BJ
Benzaldehyde	Not detected	ug/kg	330	8270C	03/10/04 04:33	100-52-7	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.14 (continued)

Sample Tag: FA-6

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)anthracene	30	ug/kg	330	8270C	03/10/04 04:33	56-55-3	J
Benzo(a)pyrene	40	ug/kg	330	8270C	03/10/04 04:33	50-32-8	J
Benzo(b)fluoranthene	60	ug/kg	330	8270C	03/10/04 04:33	205-99-2	J
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/10/04 04:33	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 04:33	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 04:33	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/10/04 04:33	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/10/04 04:33	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 04:33	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	03/10/04 04:33	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	03/10/04 04:33	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/10/04 04:33	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/10/04 04:33	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/10/04 04:33	108-60-1	
Chrysene	30	ug/kg	330	8270C	03/10/04 04:33	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/10/04 04:33	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 04:33	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 04:33	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/10/04 04:33	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/10/04 04:33	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/10/04 04:33	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	03/10/04 04:33	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 04:33	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 04:33	131-11-3	
bis(2-Ethylhexyl)phthalate	40	ug/kg	330	8270C	03/10/04 04:33	117-81-7	J
Fluoranthene	70	ug/kg	330	8270C	03/10/04 04:33	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	03/10/04 04:33	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/10/04 04:33	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/10/04 04:33	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/10/04 04:33	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	03/10/04 04:33	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/10/04 04:33	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	03/10/04 04:33	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	03/10/04 04:33	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 04:33	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 04:33	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 04:33	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/10/04 04:33	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/10/04 04:33	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/10/04 04:33	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	03/10/04 04:33	91-20-3	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.14 (continued)

Sample Tag: FA-6

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Nitrobenzene	Not detected	ug/kg	200	8270C	03/10/04 04:33	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 04:33	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/10/04 04:33	87-86-5	
Phenanthrene	40	ug/kg	330	8270C	03/10/04 04:33	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	108-95-2	
Pyrene	60	ug/kg	330	8270C	03/10/04 04:33	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 04:33	88-06-2	
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:02	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:02	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:02	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:02	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:02	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:02	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:02	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:02	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:02	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:02	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:02	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:02	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:02	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:02	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.15

Sample Tag: FA-5

Collected Date/Time: 03/03/2004 16:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	85	%	1	160.3	03/08/04 17:02		

Metals

Antimony	0.90	mg/kg	0.50	6020	03/12/04 17:14	7440-36-0	
Barium	62.3	mg/kg	1.0	6020	03/12/04 17:14	7440-39-3	
Cadmium	0.42	mg/kg	0.05	6020	03/12/04 17:14	7440-43-9	
Copper	35.7	mg/kg	0.50	6020	03/12/04 17:14	7440-50-8	
Lead	56.5	mg/kg	0.50	6020	03/12/04 17:14	7439-92-1	
Mercury	1.58	mg/kg	0.10	7471M	03/11/04 15:16	7439-97-6	
Nickel	23.7	mg/kg	0.50	6020	03/12/04 17:14	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:14	7440-22-4	
Vanadium	14.2	mg/kg	0.50	6020	03/12/04 17:14	7440-62-2	
Zinc	64.6	mg/kg	0.50	6020	03/12/04 17:14	7440-66-6	
Arsenic	2.37	mg/kg	0.10	6020	03/12/04 17:14	7440-38-2	
Beryllium	0.45	mg/kg	0.10	6020	03/12/04 17:14	7440-41-7	
Cobalt	7.98	mg/kg	0.50	6020	03/12/04 17:14	7440-48-4	
Chromium	29.4	mg/kg	0.50	6020	03/12/04 17:14	7440-47-3	
Manganese	453	mg/kg	0.50	6020	03/12/04 17:14	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:14	7782-49-2	
Thallium	0.13	mg/kg	0.10	6020	03/12/04 17:14	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 11:18	67-64-1	
2-Butanone (MEK)	400	ug/kg	800	5035/8260B	03/11/04 11:18	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 11:18	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 11:18	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 11:18	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 11:18	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.15 (continued)

Sample Tag: FA-5

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 11:18	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 11:18	541-73-1	BJ
1,4-Dichlorobenzene	30	ug/kg	50	5035/8260B	03/11/04 11:18	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 11:18	591-78-6	
Isopropylbenzene	8	ug/kg	50	5035/8260B	03/11/04 11:18	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 11:18	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 11:18	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 11:18	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 11:18	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 11:18	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 11:18	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 11:18	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 11:18	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:18	95-47-6	
p,m-Xylene	20	ug/kg	50	5035/8260B	03/11/04 11:18	106-42-3	BJ

TCL Semi-Volatile Organics

Acenaphthene	50	ug/kg	600	8270C	03/10/04 05:14	83-32-9	XIJ
Acenaphthylene	Not detected	ug/kg	600	8270C	03/10/04 05:14	208-96-8	XI
Acetophenone	Not detected	ug/kg	600	8270C	03/10/04 05:14	98-86-2	XI
Anthracene	100	ug/kg	600	8270C	03/10/04 05:14	120-12-7	XIJ
Atrazine	Not detected	ug/kg	600	8270C	03/10/04 05:14	1912-24-9	XI
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	03/10/04 05:14	92-52-4	XI
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/10/04 05:14	101-55-3	XI
di-n-Butyl phthalate	200	ug/kg	600	8270C	03/10/04 05:14	84-74-2	1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

1-XIBJ



Analytical Laboratory Report

Lab Sample ID: S16246.15 (continued)

Sample Tag: FA-5

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	600	8270C	03/10/04 05:14	100-52-7	XI
Benzo(a)anthracene	400	ug/kg	600	8270C	03/10/04 05:14	56-55-3	XIJ
Benzo(a)pyrene	400	ug/kg	600	8270C	03/10/04 05:14	50-32-8	XIJ
Benzo(b)fluoranthene	700	ug/kg	600	8270C	03/10/04 05:14	205-99-2	XI
Benzo(ghi)perylene	100	ug/kg	600	8270C	03/10/04 05:14	191-24-2	XIJ
Benzo(k)fluoranthene	200	ug/kg	600	8270C	03/10/04 05:14	207-08-9	XIJ
Butyl benzyl phthalate	200	ug/kg	600	8270C	03/10/04 05:14	85-68-7	XIJ
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/10/04 05:14	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/10/04 05:14	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/10/04 05:14	7005-72-3	XI
Caprolactam	Not detected	ug/kg	600	8270C	03/10/04 05:14	105-60-2	XI
Carbazole	70	ug/kg	600	8270C	03/10/04 05:14	86-74-8	XIJ
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/10/04 05:14	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/10/04 05:14	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/10/04 05:14	108-60-1	XI
Chrysene	400	ug/kg	600	8270C	03/10/04 05:14	218-01-9	XIJ
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/10/04 05:14	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/10/04 05:14	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/10/04 05:14	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/10/04 05:14	53-70-3	XI
Dibenzofuran	Not detected	ug/kg	600	8270C	03/10/04 05:14	132-64-9	XI
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 05:14	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 05:14	131-11-3	XI
bis(2-Ethylhexyl)phthalate	12,000	ug/kg	600	8270C	03/10/04 05:14	117-81-7	XIE
Fluoranthene	900	ug/kg	600	8270C	03/10/04 05:14	206-44-0	XI
Fluorene	50	ug/kg	600	8270C	03/10/04 05:14	86-73-7	XIJ
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/10/04 05:14	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/10/04 05:14	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/10/04 05:14	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	600	8270C	03/10/04 05:14	67-72-1	XI
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	03/10/04 05:14	193-39-5	XI
Isophorone	Not detected	ug/kg	600	8270C	03/10/04 05:14	78-59-1	XI
2-Methylnaphthalene	100	ug/kg	600	8270C	03/10/04 05:14	91-57-6	XIJ
2-Methylphenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 05:14	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 05:14	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 05:14	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	100-02-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL

E-Concentration exceeds calibration range



Analytical Laboratory Report

Lab Sample ID: S16246.15 (continued)

Sample Tag: FA-5

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/10/04 05:14	621-64-7	XI
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/10/04 05:14	86-30-6	XI
Naphthalene	Not detected	ug/kg	600	8270C	03/10/04 05:14	91-20-3	XI
Nitrobenzene	Not detected	ug/kg	600	8270C	03/10/04 05:14	98-95-3	XI
di-n-Octyl phthalate	300	ug/kg	600	8270C	03/10/04 05:14	117-84-0	XIJ
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	87-86-5	XI
Phenanthrene	700	ug/kg	600	8270C	03/10/04 05:14	85-01-8	XI
Phenol	700	ug/kg	600	8270C	03/10/04 05:14	108-95-2	XI
Pyrene	800	ug/kg	600	8270C	03/10/04 05:14	129-00-0	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 05:14	88-06-2	XI
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	83-32-9	X
Acenaphthylene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	208-96-8	X
Acetophenone	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	98-86-2	X
Anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	120-12-7	X
Atrazine	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	84-74-2	X
Benzaldehyde	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	100-52-7	X
Benzo(a)anthracene	400	ug/kg	6,000	8270C	03/10/04 19:10	56-55-3	XJ
Benzo(a)pyrene	300	ug/kg	6,000	8270C	03/10/04 19:10	50-32-8	XJ
Benzo(b)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	7005-72-3	X
Caprolactam	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	105-60-2	X
Carbazole	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	108-60-1	X
Chrysene	400	ug/kg	6,000	8270C	03/10/04 19:10	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	53-70-3	X

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.15 (continued)

Sample Tag: FA-5

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dibenzofuran	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	131-11-3	X
bis(2-Ethylhexyl)phthalate	19,000	ug/kg	6,000	8270C	03/10/04 19:10	117-81-7	X
Fluoranthene	800	ug/kg	6,000	8270C	03/10/04 19:10	206-44-0	XJ
Fluorene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	77-47-4	X
Hexachloroethane	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	193-39-5	X
Isophorone	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	91-57-6	X
2-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	86-30-6	X
Naphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	91-20-3	X
Nitrobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	10,000	8270C	03/10/04 19:10	87-86-5	X
Phenanthrene	600	ug/kg	6,000	8270C	03/10/04 19:10	85-01-8	XJ
Phenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	108-95-2	X
Pyrene	700	ug/kg	6,000	8270C	03/10/04 19:10	129-00-0	XJ
2,4,5-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 19:10	88-06-2	X

TCL PCB List (Column 1)

PCB-1016	Not detected	ug/kg	330	8082	03/09/04 18:21	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 18:21	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 18:21	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 18:21	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 18:21	12672-29-6	
PCB-1254	40	ug/kg	330	8082	03/09/04 18:21	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 18:21	11096-82-5	

TCL PCB List (Column 2)

PCB-1016	Not detected	ug/kg	330	8082	03/09/04 18:21	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 18:21	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 18:21	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 18:21	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 18:21	12672-29-6	

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.15 (continued)

Sample Tag: FA-5

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1254	50	ug/kg	330	8082	03/09/04 18:21	11097-69-1	J
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 18:21	11096-82-5	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.16

Sample Tag: FA-1

Collected Date/Time: 03/03/2004 17:05

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	90	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:18	7440-36-0	
Barium	8.0	mg/kg	1.0	6020	03/12/04 17:18	7440-39-3	
Cadmium	0.07	mg/kg	0.05	6020	03/12/04 17:18	7440-43-9	
Copper	5.19	mg/kg	0.50	6020	03/12/04 17:18	7440-50-8	
Lead	11.6	mg/kg	0.50	6020	03/12/04 17:18	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:20	7439-97-6	
Nickel	5.46	mg/kg	0.50	6020	03/12/04 17:18	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:18	7440-22-4	
Vanadium	5.44	mg/kg	0.50	6020	03/12/04 17:18	7440-62-2	
Zinc	13.0	mg/kg	0.50	6020	03/12/04 17:18	7440-66-6	
Arsenic	0.73	mg/kg	0.10	6020	03/12/04 17:18	7440-38-2	
Beryllium	Not detected	mg/kg	0.10	6020	03/12/04 17:18	7440-41-7	
Cobalt	0.67	mg/kg	0.50	6020	03/12/04 17:18	7440-48-4	
Chromium	9.81	mg/kg	0.50	6020	03/12/04 17:18	7440-47-3	
Manganese	99.3	mg/kg	0.50	6020	03/12/04 17:18	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:18	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:18	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 11:51	67-64-1	
2-Butanone (MEK)	400	ug/kg	800	5035/8260B	03/11/04 11:51	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 11:51	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 11:51	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 11:51	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 11:51	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.16 (continued)

Sample Tag: FA-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 11:51	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 11:51	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 11:51	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 11:51	591-78-6	
Isopropylbenzene	7	ug/kg	50	5035/8260B	03/11/04 11:51	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 11:51	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 11:51	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 11:51	1634-04-4	
Methyl cyclohexane	20	ug/kg	50	5035/8260B	03/11/04 11:51	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 11:51	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 11:51	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 11:51	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 11:51	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 11:51	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 11:51	95-47-6	
p,m-Xylene	20	ug/kg	50	5035/8260B	03/11/04 11:51	106-42-3	BJ
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/10/04 05:55	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	03/10/04 05:55	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	03/10/04 05:55	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	03/10/04 05:55	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	03/10/04 05:55	1912-24-9	I
1,1'-Biphenyl	20	ug/kg	330	8270C	03/10/04 05:55	92-52-4	IJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 05:55	101-55-3	I
di-n-Butyl phthalate	50	ug/kg	330	8270C	03/10/04 05:55	84-74-2	IBJ

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S16246.16 (continued)

Sample Tag: FA-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	330	8270C	03/10/04 05:55	100-52-7	I
Benzo(a)anthracene	10	ug/kg	330	8270C	03/10/04 05:55	56-55-3	IJ
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	03/10/04 05:55	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 05:55	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/10/04 05:55	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 05:55	207-08-9	I
Butyl benzyl phthalate	30	ug/kg	330	8270C	03/10/04 05:55	85-68-7	IJ
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/10/04 05:55	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/10/04 05:55	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 05:55	7005-72-3	I
Caprolactam	100	ug/kg	330	8270C	03/10/04 05:55	105-60-2	IJ
Carbazole	Not detected	ug/kg	330	8270C	03/10/04 05:55	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/10/04 05:55	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/10/04 05:55	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/10/04 05:55	108-60-1	I
Chrysene	20	ug/kg	330	8270C	03/10/04 05:55	218-01-9	IJ
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/10/04 05:55	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 05:55	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 05:55	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/10/04 05:55	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/10/04 05:55	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/10/04 05:55	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	03/10/04 05:55	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 05:55	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 05:55	131-11-3	I
bis(2-Ethylhexyl)phthalate	40	ug/kg	330	8270C	03/10/04 05:55	117-81-7	IJ
Fluoranthene	20	ug/kg	330	8270C	03/10/04 05:55	206-44-0	IJ
Fluorene	Not detected	ug/kg	330	8270C	03/10/04 05:55	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/10/04 05:55	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/10/04 05:55	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/10/04 05:55	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	03/10/04 05:55	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/10/04 05:55	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	03/10/04 05:55	78-59-1	I
2-Methylnaphthalene	70	ug/kg	330	8270C	03/10/04 05:55	91-57-6	IJ
2-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 05:55	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 05:55	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 05:55	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/10/04 05:55	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/10/04 05:55	621-64-7	I

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.16 (continued)

Sample Tag: FA-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/10/04 05:55	86-30-6	I
Naphthalene	60	ug/kg	330	8270C	03/10/04 05:55	91-20-3	IJ
Nitrobenzene	Not detected	ug/kg	200	8270C	03/10/04 05:55	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 05:55	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/10/04 05:55	87-86-5	I
Phenanthrene	50	ug/kg	330	8270C	03/10/04 05:55	85-01-8	IJ
Phenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	108-95-2	I
Pyrene	30	ug/kg	330	8270C	03/10/04 05:55	129-00-0	IJ
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 05:55	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	108-60-1	X
Chrysene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	53-70-3	X

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.16 (continued)

Sample Tag: FA-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dibenzofuran	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	117-81-7	X
Fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 19:52	87-86-5	X
Phenanthrene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	85-01-8	X
Phenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	108-95-2	X
Pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 19:52	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:19	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:19	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:19	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:19	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:19	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:19	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:19	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:19	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:19	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:19	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:19	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:19	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:19	11097-69-1	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.16 (continued)

Sample Tag: FA-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:19	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.17

Sample Tag: FA-2

Collected Date/Time: 03/03/2004 17:15

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/09/04 15:00		
Extraction, PCB	Completed			3550B	03/11/04 14:30		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/10/04 16:00		

Inorganics

Total Solids	92	%	1	160.3	03/10/04 0:19		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:20	7440-36-0	
Barium	9.4	mg/kg	1.0	6020	03/12/04 17:20	7440-39-3	
Cadmium	0.06	mg/kg	0.05	6020	03/12/04 17:20	7440-43-9	
Copper	9.47	mg/kg	0.50	6020	03/12/04 17:20	7440-50-8	
Lead	6.14	mg/kg	0.50	6020	03/12/04 17:20	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:22	7439-97-6	
Nickel	7.33	mg/kg	0.50	6020	03/12/04 17:20	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:20	7440-22-4	
Vanadium	3.34	mg/kg	0.50	6020	03/12/04 17:20	7440-62-2	
Zinc	10.7	mg/kg	0.50	6020	03/12/04 17:20	7440-66-6	
Arsenic	0.77	mg/kg	0.10	6020	03/12/04 17:20	7440-38-2	
Beryllium	0.10	mg/kg	0.10	6020	03/12/04 17:20	7440-41-7	
Cobalt	1.10	mg/kg	0.50	6020	03/12/04 17:20	7440-48-4	
Chromium	8.66	mg/kg	0.50	6020	03/12/04 17:20	7440-47-3	
Manganese	92.6	mg/kg	0.50	6020	03/12/04 17:20	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:20	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:20	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 12:24	67-64-1	
2-Butanone (MEK)	300	ug/kg	800	5035/8260B	03/11/04 12:24	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 12:24	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 12:24	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 12:24	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 12:24	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.17 (continued)

Sample Tag: FA-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 12:24	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 12:24	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 12:24	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	10061-02-6	
Ethylbenzene	9	ug/kg	50	5035/8260B	03/11/04 12:24	100-41-4	BJ
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 12:24	591-78-6	
Isopropylbenzene	9	ug/kg	50	5035/8260B	03/11/04 12:24	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 12:24	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 12:24	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 12:24	1634-04-4	
Methyl cyclohexane	40	ug/kg	50	5035/8260B	03/11/04 12:24	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 12:24	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 12:24	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 12:24	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	127-18-4	
Toluene	20	ug/kg	50	5035/8260B	03/11/04 12:24	108-88-3	J
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:24	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 12:24	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 12:24	75-01-4	
o-Xylene	20	ug/kg	50	5035/8260B	03/11/04 12:24	95-47-6	BJ
p,m-Xylene	30	ug/kg	50	5035/8260B	03/11/04 12:24	106-42-3	BJ
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/10/04 06:36	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	03/10/04 06:36	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	03/10/04 06:36	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	03/10/04 06:36	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	03/10/04 06:36	1912-24-9	I
1,1'-Biphenyl	30	ug/kg	330	8270C	03/10/04 06:36	92-52-4	IJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 06:36	101-55-3	I
di-n-Butyl phthalate	50	ug/kg	330	8270C	03/10/04 06:36	84-74-2	IBJ

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S16246.17 (continued)

Sample Tag: FA-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	330	8270C	03/10/04 06:36	100-52-7	I
Benzo(a)anthracene	20	ug/kg	330	8270C	03/10/04 06:36	56-55-3	IJ
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	03/10/04 06:36	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 06:36	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/10/04 06:36	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 06:36	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 06:36	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/10/04 06:36	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/10/04 06:36	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 06:36	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	03/10/04 06:36	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	03/10/04 06:36	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/10/04 06:36	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/10/04 06:36	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/10/04 06:36	108-60-1	I
Chrysene	20	ug/kg	330	8270C	03/10/04 06:36	218-01-9	IJ
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/10/04 06:36	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 06:36	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 06:36	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/10/04 06:36	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/10/04 06:36	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/10/04 06:36	53-70-3	I
Dibenzofuran	20	ug/kg	330	8270C	03/10/04 06:36	132-64-9	IJ
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 06:36	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 06:36	131-11-3	I
bis(2-Ethylhexyl)phthalate	30	ug/kg	330	8270C	03/10/04 06:36	117-81-7	IJ
Fluoranthene	40	ug/kg	330	8270C	03/10/04 06:36	206-44-0	IJ
Fluorene	Not detected	ug/kg	330	8270C	03/10/04 06:36	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/10/04 06:36	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/10/04 06:36	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/10/04 06:36	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	03/10/04 06:36	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/10/04 06:36	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	03/10/04 06:36	78-59-1	I
2-Methylnaphthalene	100	ug/kg	330	8270C	03/10/04 06:36	91-57-6	IJ
2-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 06:36	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 06:36	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 06:36	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/10/04 06:36	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/10/04 06:36	621-64-7	I

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.17 (continued)

Sample Tag: FA-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/10/04 06:36	86-30-6	I
Naphthalene	100	ug/kg	330	8270C	03/10/04 06:36	91-20-3	IJ
Nitrobenzene	Not detected	ug/kg	200	8270C	03/10/04 06:36	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 06:36	117-84-0	I
Pentachlorophenol	200	ug/kg	700	8270C	03/10/04 06:36	87-86-5	IJ
Phenanthrene	100	ug/kg	330	8270C	03/10/04 06:36	85-01-8	IJ
Phenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	108-95-2	I
Pyrene	50	ug/kg	330	8270C	03/10/04 06:36	129-00-0	IJ
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 06:36	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	100-52-7	X
Benzo(a)anthracene	50	ug/kg	2,000	8270C	03/10/04 20:33	56-55-3	XJ
Benzo(a)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	108-60-1	X
Chrysene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	53-70-3	X

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.17 (continued)

Sample Tag: FA-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dibenzofuran	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	117-81-7	X
Fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 20:33	87-86-5	X
Phenanthrene	100	ug/kg	2,000	8270C	03/10/04 20:33	85-01-8	XJ
Phenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	108-95-2	X
Pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 20:33	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:36	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:36	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:36	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:36	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:36	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:36	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:36	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:36	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:36	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:36	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:36	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:36	12672-29-6	

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.17 (continued)

Sample Tag: FA-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:36	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:36	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.18

Sample Tag: FA-3

Collected Date/Time: 03/03/2004 17:35

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	87	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:23	7440-36-0	
Barium	34.0	mg/kg	1.0	6020	03/12/04 17:23	7440-39-3	
Cadmium	0.16	mg/kg	0.05	6020	03/12/04 17:23	7440-43-9	
Copper	6.23	mg/kg	0.50	6020	03/12/04 17:23	7440-50-8	
Lead	9.29	mg/kg	0.50	6020	03/12/04 17:23	7439-92-1	
Mercury	0.12	mg/kg	0.10	7471M	03/11/04 15:24	7439-97-6	
Nickel	14.0	mg/kg	0.50	6020	03/12/04 17:23	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:23	7440-22-4	
Vanadium	10.7	mg/kg	0.50	6020	03/12/04 17:23	7440-62-2	
Zinc	32.3	mg/kg	0.50	6020	03/12/04 17:23	7440-66-6	
Arsenic	0.90	mg/kg	0.10	6020	03/12/04 17:23	7440-38-2	
Beryllium	0.32	mg/kg	0.10	6020	03/12/04 17:23	7440-41-7	
Cobalt	5.46	mg/kg	0.50	6020	03/12/04 17:23	7440-48-4	
Chromium	10.9	mg/kg	0.50	6020	03/12/04 17:23	7440-47-3	
Manganese	306	mg/kg	0.50	6020	03/12/04 17:23	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:23	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:23	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 12:57	67-64-1	
2-Butanone (MEK)	300	ug/kg	800	5035/8260B	03/11/04 12:57	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 12:57	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 12:57	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 12:57	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 12:57	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.18 (continued)

Sample Tag: FA-3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 12:57	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	78-87-5	
1,3-Dichlorobenzene	10	ug/kg	50	5035/8260B	03/11/04 12:57	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 12:57	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 12:57	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 12:57	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 12:57	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 12:57	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 12:57	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 12:57	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 12:57	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 12:57	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 12:57	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 12:57	106-42-3	

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	600	8270C	03/10/04 07:17	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	600	8270C	03/10/04 07:17	208-96-8	XI
Acetophenone	Not detected	ug/kg	600	8270C	03/10/04 07:17	98-86-2	XI
Anthracene	100	ug/kg	600	8270C	03/10/04 07:17	120-12-7	XIJ
Atrazine	Not detected	ug/kg	600	8270C	03/10/04 07:17	1912-24-9	XI
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	03/10/04 07:17	92-52-4	XI
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/10/04 07:17	101-55-3	XI
di-n-Butyl phthalate	100	ug/kg	600	8270C	03/10/04 07:17	84-74-2	1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

1-XIBJ



Analytical Laboratory Report

Lab Sample ID: S16246.18 (continued)

Sample Tag: FA-3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	600	8270C	03/10/04 07:17	100-52-7	XI
Benzo(a)anthracene	700	ug/kg	600	8270C	03/10/04 07:17	56-55-3	XI
Benzo(a)pyrene	700	ug/kg	600	8270C	03/10/04 07:17	50-32-8	XI
Benzo(b)fluoranthene	1,000	ug/kg	600	8270C	03/10/04 07:17	205-99-2	XI
Benzo(ghi)perylene	100	ug/kg	600	8270C	03/10/04 07:17	191-24-2	XIJ
Benzo(k)fluoranthene	300	ug/kg	600	8270C	03/10/04 07:17	207-08-9	XIJ
Butyl benzyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 07:17	85-68-7	XI
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	03/10/04 07:17	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	600	8270C	03/10/04 07:17	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	03/10/04 07:17	7005-72-3	XI
Caprolactam	Not detected	ug/kg	600	8270C	03/10/04 07:17	105-60-2	XI
Carbazole	90	ug/kg	600	8270C	03/10/04 07:17	86-74-8	XIJ
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	03/10/04 07:17	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	03/10/04 07:17	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	03/10/04 07:17	108-60-1	XI
Chrysene	800	ug/kg	600	8270C	03/10/04 07:17	218-01-9	XI
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/10/04 07:17	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	03/10/04 07:17	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	03/10/04 07:17	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	03/10/04 07:17	53-70-3	XI
Dibenzofuran	Not detected	ug/kg	600	8270C	03/10/04 07:17	132-64-9	XI
Diethyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 07:17	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 07:17	131-11-3	XI
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	600	8270C	03/10/04 07:17	117-81-7	XI
Fluoranthene	1,000	ug/kg	600	8270C	03/10/04 07:17	206-44-0	XI
Fluorene	Not detected	ug/kg	600	8270C	03/10/04 07:17	86-73-7	XI
Hexachlorobenzene	Not detected	ug/kg	600	8270C	03/10/04 07:17	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	03/10/04 07:17	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	03/10/04 07:17	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	600	8270C	03/10/04 07:17	67-72-1	XI
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	03/10/04 07:17	193-39-5	XI
Isophorone	Not detected	ug/kg	600	8270C	03/10/04 07:17	78-59-1	XI
2-Methylnaphthalene	Not detected	ug/kg	600	8270C	03/10/04 07:17	91-57-6	XI
2-Methylphenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 07:17	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 07:17	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	600	8270C	03/10/04 07:17	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	100-02-7	XI
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	03/10/04 07:17	621-64-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.18 (continued)

Sample Tag: FA-3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	03/10/04 07:17	86-30-6	XI
Naphthalene	Not detected	ug/kg	600	8270C	03/10/04 07:17	91-20-3	XI
Nitrobenzene	Not detected	ug/kg	600	8270C	03/10/04 07:17	98-95-3	XI
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	03/10/04 07:17	117-84-0	XI
Pentachlorophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	87-86-5	XI
Phenanthrene	600	ug/kg	600	8270C	03/10/04 07:17	85-01-8	XI
Phenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	108-95-2	XI
Pyrene	900	ug/kg	600	8270C	03/10/04 07:17	129-00-0	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	03/10/04 07:17	88-06-2	XI
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	83-32-9	X
Acenaphthylene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	208-96-8	X
Acetophenone	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	98-86-2	X
Anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	120-12-7	X
Atrazine	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	84-74-2	X
Benzaldehyde	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	100-52-7	X
Benzo(a)anthracene	700	ug/kg	6,000	8270C	03/10/04 21:14	56-55-3	XJ
Benzo(a)pyrene	600	ug/kg	6,000	8270C	03/10/04 21:14	50-32-8	XJ
Benzo(b)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	7005-72-3	X
Caprolactam	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	105-60-2	X
Carbazole	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	108-60-1	X
Chrysene	800	ug/kg	6,000	8270C	03/10/04 21:14	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	53-70-3	X
Dibenzofuran	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	132-64-9	X

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.18 (continued)

Sample Tag: FA-3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Diethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	117-81-7	X
Fluoranthene	800	ug/kg	6,000	8270C	03/10/04 21:14	206-44-0	XJ
Fluorene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	77-47-4	X
Hexachloroethane	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	193-39-5	X
Isophorone	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	91-57-6	X
2-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	86-30-6	X
Naphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	91-20-3	X
Nitrobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	10,000	8270C	03/10/04 21:14	87-86-5	X
Phenanthrene	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	85-01-8	X
Phenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	108-95-2	X
Pyrene	700	ug/kg	6,000	8270C	03/10/04 21:14	129-00-0	XJ
2,4,5-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 21:14	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:54	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:54	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:54	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:54	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:54	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:54	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:54	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 23:54	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 23:54	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 23:54	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 23:54	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 23:54	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 23:54	11097-69-1	

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.18 (continued)

Sample Tag: FA-3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 23:54	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.19

Sample Tag: FA-4

Collected Date/Time: 03/03/2004 17:45

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	86	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:26	7440-36-0	
Barium	39.9	mg/kg	1.0	6020	03/12/04 17:26	7440-39-3	
Cadmium	0.14	mg/kg	0.05	6020	03/12/04 17:26	7440-43-9	
Copper	9.22	mg/kg	0.50	6020	03/12/04 17:26	7440-50-8	
Lead	17.5	mg/kg	0.50	6020	03/12/04 17:26	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/11/04 15:26	7439-97-6	
Nickel	14.0	mg/kg	0.50	6020	03/12/04 17:26	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:26	7440-22-4	
Vanadium	11.6	mg/kg	0.50	6020	03/12/04 17:26	7440-62-2	
Zinc	35.3	mg/kg	0.50	6020	03/12/04 17:26	7440-66-6	
Arsenic	0.73	mg/kg	0.10	6020	03/12/04 17:26	7440-38-2	
Beryllium	0.39	mg/kg	0.10	6020	03/12/04 17:26	7440-41-7	
Cobalt	4.96	mg/kg	0.50	6020	03/12/04 17:26	7440-48-4	
Chromium	16.5	mg/kg	0.50	6020	03/12/04 17:26	7440-47-3	
Manganese	250	mg/kg	0.50	6020	03/12/04 17:26	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:26	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:26	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 14:03	67-64-1	
2-Butanone (MEK)	400	ug/kg	800	5035/8260B	03/11/04 14:03	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 14:03	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 14:03	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 14:03	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 14:03	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.19 (continued)

Sample Tag: FA-4

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 14:03	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	78-87-5	
1,3-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 14:03	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 14:03	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 14:03	591-78-6	
Isopropylbenzene	8	ug/kg	50	5035/8260B	03/11/04 14:03	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 14:03	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 14:03	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 14:03	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	108-87-2	
Methylene chloride	10	ug/kg	300	5035/8260B	03/11/04 14:03	75-09-2	J
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 14:03	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 14:03	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 14:03	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 14:03	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:03	95-47-6	
p,m-Xylene	20	ug/kg	50	5035/8260B	03/11/04 14:03	106-42-3	BJ
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/10/04 07:58	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	03/10/04 07:58	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	03/10/04 07:58	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	03/10/04 07:58	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	03/10/04 07:58	1912-24-9	I
1,1'-Biphenyl	9	ug/kg	330	8270C	03/10/04 07:58	92-52-4	IJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 07:58	101-55-3	I
di-n-Butyl phthalate	70	ug/kg	330	8270C	03/10/04 07:58	84-74-2	IBJ

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S16246.19 (continued)

Sample Tag: FA-4

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	330	8270C	03/10/04 07:58	100-52-7	I
Benzo(a)anthracene	20	ug/kg	330	8270C	03/10/04 07:58	56-55-3	IJ
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	03/10/04 07:58	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 07:58	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/10/04 07:58	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 07:58	207-08-9	I
Butyl benzyl phthalate	200	ug/kg	330	8270C	03/10/04 07:58	85-68-7	IJ
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/10/04 07:58	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/10/04 07:58	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 07:58	7005-72-3	I
Caprolactam	100	ug/kg	330	8270C	03/10/04 07:58	105-60-2	IJ
Carbazole	Not detected	ug/kg	330	8270C	03/10/04 07:58	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/10/04 07:58	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/10/04 07:58	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/10/04 07:58	108-60-1	I
Chrysene	20	ug/kg	330	8270C	03/10/04 07:58	218-01-9	IJ
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/10/04 07:58	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 07:58	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 07:58	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/10/04 07:58	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/10/04 07:58	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/10/04 07:58	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	03/10/04 07:58	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 07:58	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 07:58	131-11-3	I
bis(2-Ethylhexyl)phthalate	30	ug/kg	330	8270C	03/10/04 07:58	117-81-7	IJ
Fluoranthene	30	ug/kg	330	8270C	03/10/04 07:58	206-44-0	IJ
Fluorene	Not detected	ug/kg	330	8270C	03/10/04 07:58	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/10/04 07:58	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/10/04 07:58	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/10/04 07:58	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	03/10/04 07:58	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/10/04 07:58	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	03/10/04 07:58	78-59-1	I
2-Methylnaphthalene	20	ug/kg	330	8270C	03/10/04 07:58	91-57-6	IJ
2-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 07:58	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 07:58	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 07:58	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/10/04 07:58	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/10/04 07:58	621-64-7	I

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.19 (continued)

Sample Tag: FA-4

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/10/04 07:58	86-30-6	I
Naphthalene	20	ug/kg	330	8270C	03/10/04 07:58	91-20-3	IJ
Nitrobenzene	Not detected	ug/kg	200	8270C	03/10/04 07:58	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 07:58	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/10/04 07:58	87-86-5	I
Phenanthrene	30	ug/kg	330	8270C	03/10/04 07:58	85-01-8	IJ
Phenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	108-95-2	I
Pyrene	30	ug/kg	330	8270C	03/10/04 07:58	129-00-0	IJ
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 07:58	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	108-60-1	X
Chrysene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	53-70-3	X

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.19 (continued)

Sample Tag: FA-4

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dibenzofuran	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	117-81-7	X
Fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 21:56	87-86-5	X
Phenanthrene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	85-01-8	X
Phenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	108-95-2	X
Pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 21:56	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/10/04 00:12	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/10/04 00:12	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/10/04 00:12	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/10/04 00:12	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/10/04 00:12	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/10/04 00:12	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/10/04 00:12	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/10/04 00:12	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/10/04 00:12	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/10/04 00:12	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/10/04 00:12	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/10/04 00:12	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/10/04 00:12	11097-69-1	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.19 (continued)

Sample Tag: FA-4

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1260	Not detected	ug/kg	330	8082	03/10/04 00:12	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.20

Sample Tag: DUP-1

Collected Date/Time: 03/03/2004 :

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	91	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:30	7440-36-0	
Barium	44.2	mg/kg	1.0	6020	03/12/04 17:30	7440-39-3	
Cadmium	0.25	mg/kg	0.05	6020	03/12/04 17:30	7440-43-9	
Copper	8.73	mg/kg	0.50	6020	03/12/04 17:30	7440-50-8	
Lead	32.8	mg/kg	0.50	6020	03/12/04 17:30	7439-92-1	
Mercury	0.16	mg/kg	0.10	7471M	03/11/04 15:28	7439-97-6	
Nickel	7.53	mg/kg	0.50	6020	03/12/04 17:30	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:30	7440-22-4	
Vanadium	4.59	mg/kg	0.50	6020	03/12/04 17:30	7440-62-2	
Zinc	45.0	mg/kg	0.50	6020	03/12/04 17:30	7440-66-6	
Arsenic	1.47	mg/kg	0.10	6020	03/12/04 17:30	7440-38-2	
Beryllium	0.22	mg/kg	0.10	6020	03/12/04 17:30	7440-41-7	
Cobalt	2.42	mg/kg	0.50	6020	03/12/04 17:30	7440-48-4	
Chromium	13.0	mg/kg	0.50	6020	03/12/04 17:30	7440-47-3	
Manganese	283	mg/kg	0.50	6020	03/12/04 17:30	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:30	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:30	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 14:36	67-64-1	
2-Butanone (MEK)	400	ug/kg	800	5035/8260B	03/11/04 14:36	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 14:36	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 14:36	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 14:36	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 14:36	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.20 (continued)

Sample Tag: DUP-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 14:36	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	78-87-5	
1,3-Dichlorobenzene	10	ug/kg	50	5035/8260B	03/11/04 14:36	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 14:36	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 14:36	591-78-6	
Isopropylbenzene	8	ug/kg	50	5035/8260B	03/11/04 14:36	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 14:36	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 14:36	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 14:36	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 14:36	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 14:36	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 14:36	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 14:36	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 14:36	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 14:36	106-42-3	

TCL Semi-Volatile Organics

Acenaphthene	Not detected	ug/kg	500	8270C	03/10/04 08:40	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	500	8270C	03/10/04 08:40	208-96-8	XI
Acetophenone	Not detected	ug/kg	500	8270C	03/10/04 08:40	98-86-2	XI
Anthracene	40	ug/kg	500	8270C	03/10/04 08:40	120-12-7	XIJ
Atrazine	Not detected	ug/kg	500	8270C	03/10/04 08:40	1912-24-9	XI
1,1'-Biphenyl	Not detected	ug/kg	500	8270C	03/10/04 08:40	92-52-4	XI
4-Bromophenyl phenyl ether	Not detected	ug/kg	500	8270C	03/10/04 08:40	101-55-3	XI
di-n-Butyl phthalate	80	ug/kg	500	8270C	03/10/04 08:40	84-74-2	1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

1-XIBJ



Analytical Laboratory Report

Lab Sample ID: S16246.20 (continued)

Sample Tag: DUP-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	500	8270C	03/10/04 08:40	100-52-7	XI
Benzo(a)anthracene	200	ug/kg	500	8270C	03/10/04 08:40	56-55-3	XIJ
Benzo(a)pyrene	200	ug/kg	500	8270C	03/10/04 08:40	50-32-8	XIJ
Benzo(b)fluoranthene	400	ug/kg	500	8270C	03/10/04 08:40	205-99-2	XIJ
Benzo(ghi)perylene	Not detected	ug/kg	500	8270C	03/10/04 08:40	191-24-2	XI
Benzo(k)fluoranthene	200	ug/kg	500	8270C	03/10/04 08:40	207-08-9	XIJ
Butyl benzyl phthalate	1,400	ug/kg	500	8270C	03/10/04 08:40	85-68-7	XI
2-Chloronaphthalene	Not detected	ug/kg	500	8270C	03/10/04 08:40	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	500	8270C	03/10/04 08:40	7005-72-3	XI
Caprolactam	Not detected	ug/kg	500	8270C	03/10/04 08:40	105-60-2	XI
Carbazole	Not detected	ug/kg	500	8270C	03/10/04 08:40	86-74-8	XI
bis(2-Chloroethoxy)methane	Not detected	ug/kg	500	8270C	03/10/04 08:40	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	500	8270C	03/10/04 08:40	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	500	8270C	03/10/04 08:40	108-60-1	XI
Chrysene	200	ug/kg	500	8270C	03/10/04 08:40	218-01-9	XIJ
2,4-Dichlorophenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	500	8270C	03/10/04 08:40	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	500	8270C	03/10/04 08:40	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	500	8270C	03/10/04 08:40	53-70-3	XI
Dibenzofuran	Not detected	ug/kg	500	8270C	03/10/04 08:40	132-64-9	XI
Diethyl phthalate	Not detected	ug/kg	500	8270C	03/10/04 08:40	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	500	8270C	03/10/04 08:40	131-11-3	XI
bis(2-Ethylhexyl)phthalate	70	ug/kg	500	8270C	03/10/04 08:40	117-81-7	XIJ
Fluoranthene	500	ug/kg	500	8270C	03/10/04 08:40	206-44-0	XI
Fluorene	Not detected	ug/kg	500	8270C	03/10/04 08:40	86-73-7	XI
Hexachlorobenzene	Not detected	ug/kg	500	8270C	03/10/04 08:40	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	500	8270C	03/10/04 08:40	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	500	8270C	03/10/04 08:40	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	500	8270C	03/10/04 08:40	67-72-1	XI
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	500	8270C	03/10/04 08:40	193-39-5	XI
Isophorone	Not detected	ug/kg	500	8270C	03/10/04 08:40	78-59-1	XI
2-Methylnaphthalene	100	ug/kg	500	8270C	03/10/04 08:40	91-57-6	XIJ
2-Methylphenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	100-02-7	XI
N-Nitrosodi-n-propylamine	Not detected	ug/kg	500	8270C	03/10/04 08:40	621-64-7	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.20 (continued)

Sample Tag: DUP-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	30	ug/kg	500	8270C	03/10/04 08:40	86-30-6	XIJ
Naphthalene	Not detected	ug/kg	500	8270C	03/10/04 08:40	91-20-3	XI
Nitrobenzene	Not detected	ug/kg	500	8270C	03/10/04 08:40	98-95-3	XI
di-n-Octyl phthalate	Not detected	ug/kg	500	8270C	03/10/04 08:40	117-84-0	XI
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	03/10/04 08:40	87-86-5	XI
Phenanthrene	400	ug/kg	500	8270C	03/10/04 08:40	85-01-8	XIJ
Phenol	900	ug/kg	500	8270C	03/10/04 08:40	108-95-2	XI
Pyrene	500	ug/kg	500	8270C	03/10/04 08:40	129-00-0	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	500	8270C	03/10/04 08:40	88-06-2	XI
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	83-32-9	X
Acenaphthylene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	208-96-8	X
Acetophenone	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	98-86-2	X
Anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	120-12-7	X
Atrazine	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	84-74-2	X
Benzaldehyde	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	100-52-7	X
Benzo(a)anthracene	200	ug/kg	6,000	8270C	03/10/04 22:37	56-55-3	XJ
Benzo(a)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	207-08-9	X
Butyl benzyl phthalate	1,000	ug/kg	6,000	8270C	03/10/04 22:37	85-68-7	XJ
2-Chloronaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	7005-72-3	X
Caprolactam	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	105-60-2	X
Carbazole	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	108-60-1	X
Chrysene	300	ug/kg	6,000	8270C	03/10/04 22:37	218-01-9	XJ
2,4-Dichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	53-70-3	X
Dibenzofuran	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	84-66-2	X

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.20 (continued)

Sample Tag: DUP-1

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dimethyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	117-81-7	X
Fluoranthene	500	ug/kg	6,000	8270C	03/10/04 22:37	206-44-0	XJ
Fluorene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	77-47-4	X
Hexachloroethane	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	193-39-5	X
Isophorone	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	91-57-6	X
2-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	86-30-6	X
Naphthalene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	91-20-3	X
Nitrobenzene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	10,000	8270C	03/10/04 22:37	87-86-5	X
Phenanthrene	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	85-01-8	X
Phenol	800	ug/kg	6,000	8270C	03/10/04 22:37	108-95-2	XJ
Pyrene	400	ug/kg	6,000	8270C	03/10/04 22:37	129-00-0	XJ
2,4,5-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	6,000	8270C	03/10/04 22:37	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 18:39	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 18:39	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 18:39	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 18:39	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 18:39	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 18:39	11097-69-1	
PCB-1260	50	ug/kg	330	8082	03/09/04 18:39	11096-82-5	J
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 18:39	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 18:39	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 18:39	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 18:39	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 18:39	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 18:39	11097-69-1	
PCB-1260	50	ug/kg	330	8082	03/09/04 18:39	11096-82-5	J

X-Elevated reporting limit due to matrix interference

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.21

Sample Tag: DUP-2

Collected Date/Time: 03/03/2004 :

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	8	3
1	4oz. Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	03/05/04 17:00		
Extraction, PCB	Completed			3550B	03/04/04 14:00		
Mercury Digestion	Completed			7471A	03/09/04 14:30		
Metal Digestion	Completed			3050B	03/05/04 08:30		

Inorganics

Total Solids	92	%	1	160.3	03/08/04 17:02		

Metals

Antimony	Not detected	mg/kg	0.50	6020	03/12/04 17:33	7440-36-0	
Barium	7.5	mg/kg	1.0	6020	03/12/04 17:33	7440-39-3	
Cadmium	0.07	mg/kg	0.05	6020	03/12/04 17:33	7440-43-9	
Copper	5.02	mg/kg	0.50	6020	03/12/04 17:33	7440-50-8	
Lead	12.9	mg/kg	0.50	6020	03/12/04 17:33	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	03/12/04 15:28	7439-97-6	
Nickel	4.14	mg/kg	0.50	6020	03/12/04 17:33	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	03/12/04 17:33	7440-22-4	
Vanadium	3.20	mg/kg	0.50	6020	03/12/04 17:33	7440-62-2	
Zinc	15.9	mg/kg	0.50	6020	03/12/04 17:33	7440-66-6	
Arsenic	0.65	mg/kg	0.10	6020	03/12/04 17:33	7440-38-2	
Beryllium	Not detected	mg/kg	0.10	6020	03/12/04 17:33	7440-41-7	
Cobalt	0.57	mg/kg	0.50	6020	03/12/04 17:33	7440-48-4	
Chromium	6.96	mg/kg	0.50	6020	03/12/04 17:33	7440-47-3	
Manganese	75.9	mg/kg	0.50	6020	03/12/04 17:33	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	03/12/04 17:33	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	03/12/04 17:33	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	03/11/04 15:10	67-64-1	
2-Butanone (MEK)	400	ug/kg	800	5035/8260B	03/11/04 15:10	78-93-3	BJ
Benzene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	03/11/04 15:10	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	03/11/04 15:10	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	03/11/04 15:10	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	03/11/04 15:10	74-87-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.21 (continued)

Sample Tag: DUP-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 5035/8260 (continued)							
Cyclohexane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	75-34-3	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	106-93-4	
1,2-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 15:10	95-50-1	BJ
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	78-87-5	
1,3-Dichlorobenzene	10	ug/kg	50	5035/8260B	03/11/04 15:10	541-73-1	BJ
1,4-Dichlorobenzene	20	ug/kg	50	5035/8260B	03/11/04 15:10	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	03/11/04 15:10	591-78-6	
Isopropylbenzene	7	ug/kg	50	5035/8260B	03/11/04 15:10	98-82-8	BJ
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	03/11/04 15:10	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	03/11/04 15:10	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	03/11/04 15:10	1634-04-4	
Methyl cyclohexane	10	ug/kg	50	5035/8260B	03/11/04 15:10	108-87-2	J
Methylene chloride	Not detected	ug/kg	300	5035/8260B	03/11/04 15:10	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	03/11/04 15:10	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	03/11/04 15:10	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	03/11/04 15:10	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	03/11/04 15:10	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	03/11/04 15:10	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/kg	330	8270C	03/10/04 09:21	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	03/10/04 09:21	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	03/10/04 09:21	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	03/10/04 09:21	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	03/10/04 09:21	1912-24-9	I
1,1'-Biphenyl	20	ug/kg	330	8270C	03/10/04 09:21	92-52-4	IJ
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 09:21	101-55-3	I
di-n-Butyl phthalate	50	ug/kg	330	8270C	03/10/04 09:21	84-74-2	IBJ

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S16246.21 (continued)

Sample Tag: DUP-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzaldehyde	Not detected	ug/kg	330	8270C	03/10/04 09:21	100-52-7	I
Benzo(a)anthracene	20	ug/kg	330	8270C	03/10/04 09:21	56-55-3	IJ
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	03/10/04 09:21	50-32-8	I
Benzo(b)fluoranthene	50	ug/kg	330	8270C	03/10/04 09:21	205-99-2	IJ
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	03/10/04 09:21	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	03/10/04 09:21	207-08-9	I
Butyl benzyl phthalate	20	ug/kg	330	8270C	03/10/04 09:21	85-68-7	IJ
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	03/10/04 09:21	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	700	8270C	03/10/04 09:21	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	03/10/04 09:21	7005-72-3	I
Caprolactam	100	ug/kg	330	8270C	03/10/04 09:21	105-60-2	IJ
Carbazole	Not detected	ug/kg	330	8270C	03/10/04 09:21	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	03/10/04 09:21	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	03/10/04 09:21	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	03/10/04 09:21	108-60-1	I
Chrysene	30	ug/kg	330	8270C	03/10/04 09:21	218-01-9	IJ
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	03/10/04 09:21	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 09:21	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	03/10/04 09:21	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	03/10/04 09:21	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	03/10/04 09:21	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	03/10/04 09:21	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	03/10/04 09:21	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 09:21	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 09:21	131-11-3	I
bis(2-Ethylhexyl)phthalate	30	ug/kg	330	8270C	03/10/04 09:21	117-81-7	IJ
Fluoranthene	50	ug/kg	330	8270C	03/10/04 09:21	206-44-0	IJ
Fluorene	Not detected	ug/kg	330	8270C	03/10/04 09:21	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	03/10/04 09:21	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	03/10/04 09:21	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	03/10/04 09:21	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	03/10/04 09:21	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	03/10/04 09:21	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	03/10/04 09:21	78-59-1	I
2-Methylnaphthalene	60	ug/kg	330	8270C	03/10/04 09:21	91-57-6	IJ
2-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 09:21	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 09:21	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	700	8270C	03/10/04 09:21	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	700	8270C	03/10/04 09:21	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	03/10/04 09:21	621-64-7	I

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.21 (continued)

Sample Tag: DUP-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	03/10/04 09:21	86-30-6	I
Naphthalene	60	ug/kg	330	8270C	03/10/04 09:21	91-20-3	IJ
Nitrobenzene	Not detected	ug/kg	200	8270C	03/10/04 09:21	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	03/10/04 09:21	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	700	8270C	03/10/04 09:21	87-86-5	I
Phenanthrene	70	ug/kg	330	8270C	03/10/04 09:21	85-01-8	IJ
Phenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	108-95-2	I
Pyrene	50	ug/kg	330	8270C	03/10/04 09:21	129-00-0	IJ
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	03/10/04 09:21	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	100-52-7	X
Benzo(a)anthracene	50	ug/kg	2,000	8270C	03/10/04 23:18	56-55-3	XJ
Benzo(a)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	108-60-1	X
Chrysene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	53-70-3	X

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.21 (continued)

Sample Tag: DUP-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dibenzofuran	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	117-81-7	X
Fluoranthene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	4,000	8270C	03/10/04 23:18	87-86-5	X
Phenanthrene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	85-01-8	X
Phenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	108-95-2	X
Pyrene	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	03/10/04 23:18	88-06-2	X
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 19:14	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 19:14	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 19:14	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 19:14	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 19:14	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 19:14	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 19:14	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/kg	330	8082	03/09/04 19:14	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	03/09/04 19:14	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	03/09/04 19:14	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	03/09/04 19:14	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	03/09/04 19:14	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	03/09/04 19:14	11097-69-1	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.21 (continued)

Sample Tag: DUP-2

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 2) (continued)							
PCB-1260	Not detected	ug/kg	330	8082	03/09/04 19:14	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.22
Sample Tag: Rinse Blank
Collected Date/Time: 03/03/2004 18:30
Matrix: Groundwater
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	1 L Amber	None	Yes	8	3
2	125ml Plastic	HNO3	Yes	8	3
2	40 ml Glass	HCL	Yes	8	3
2	40 ml Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	03/05/04 11:00		
Extraction, PCB	Completed			3510C	03/05/04 17:20		
Mercury Digestion	Completed			7470A	03/12/04 16:00		
Metal Digestion	Completed			3015A	03/09/04 08:30		

Metals

Silver	Not detected	mg/L	0.0005	6020	03/12/04 16:05	7440-22-4	
Arsenic	Not detected	mg/L	0.002	6020	03/12/04 16:05	7440-38-2	
Barium	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-39-3	
Beryllium	Not detected	mg/L	0.001	6020	03/12/04 16:05	7440-41-7	
Cadmium	Not detected	mg/L	0.0002	6020	03/12/04 16:05	7440-43-9	
Cobalt	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-48-4	
Chromium	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-47-3	
Copper	0.007	mg/L	0.005	6020	03/12/04 16:05	7440-50-8	
Mercury	Not detected	mg/L	0.0002	245.1M	03/12/04 16:47	7439-97-6	
Manganese	Not detected	mg/L	0.005	6020	03/12/04 16:05	7439-96-5	
Nickel	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-02-0	
Lead	Not detected	mg/L	0.002	6020	03/12/04 16:05	7439-92-1	
Antimony	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-36-0	
Selenium	Not detected	mg/L	0.005	6020	03/12/04 16:05	7782-49-2	
Thallium	Not detected	mg/L	0.001	6020	03/12/04 16:05	7440-28-0	
Vanadium	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-62-2	
Zinc	Not detected	mg/L	0.005	6020	03/12/04 16:05	7440-66-6	

Organics

TCL Volatile Organics 8260

Acetone	Not detected	ug/L	30	8260B	03/11/04 21:42	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	03/11/04 21:42	78-93-3	
Benzene	Not detected	ug/L	1	8260B	03/11/04 21:42	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	03/11/04 21:42	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	03/11/04 21:42	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	03/11/04 21:42	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	03/11/04 21:42	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	03/11/04 21:42	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	03/11/04 21:42	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	03/11/04 21:42	75-00-3	
Chloroform	0.7	ug/L	1	8260B	03/11/04 21:42	67-66-3	J
Chloromethane	Not detected	ug/L	1	8260B	03/11/04 21:42	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	03/11/04 21:42	110-82-7	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.22 (continued)

Sample Tag: Rinse Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 8260 (continued)							
1,1-Dichloroethane	Not detected	ug/L	1	8260B	03/11/04 21:42	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	03/11/04 21:42	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	03/11/04 21:42	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	03/11/04 21:42	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	03/11/04 21:42	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	03/11/04 21:42	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	03/11/04 21:42	78-87-5	
1,3-Dichlorobenzene	0.2	ug/L	1	8260B	03/11/04 21:42	541-73-1	BJ
1,4-Dichlorobenzene	0.3	ug/L	1	8260B	03/11/04 21:42	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	03/11/04 21:42	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	03/11/04 21:42	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	03/11/04 21:42	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	03/11/04 21:42	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	03/11/04 21:42	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	03/11/04 21:42	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	03/11/04 21:42	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	03/11/04 21:42	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	03/11/04 21:42	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	03/11/04 21:42	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	1	8260B	03/11/04 21:42	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	03/11/04 21:42	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	03/11/04 21:42	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	03/11/04 21:42	75-09-2	
Styrene	Not detected	ug/L	1	8260B	03/11/04 21:42	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	03/11/04 21:42	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	03/11/04 21:42	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	03/11/04 21:42	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	03/11/04 21:42	79-00-5	
1,2,4-Trichlorobenzene	0.3	ug/L	2	8260B	03/11/04 21:42	120-82-1	BJ
Tetrachloroethene	Not detected	ug/L	1	8260B	03/11/04 21:42	127-18-4	
Toluene	Not detected	ug/L	1	8260B	03/11/04 21:42	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	03/11/04 21:42	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	03/11/04 21:42	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	03/11/04 21:42	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	03/11/04 21:42	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	03/11/04 21:42	106-42-3	
TCL Semi-Volatile Organics							
Acenaphthene	Not detected	ug/L	5	8270C	03/10/04 10:02	83-32-9	I
Acenaphthylene	Not detected	ug/L	5	8270C	03/10/04 10:02	208-96-8	I
Acetophenone	Not detected	ug/L	5	8270C	03/10/04 10:02	98-86-2	I
Anthracene	Not detected	ug/L	5	8270C	03/10/04 10:02	120-12-7	I
Atrazine	Not detected	ug/L	5	8270C	03/10/04 10:02	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/L	5	8270C	03/10/04 10:02	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	03/10/04 10:02	101-55-3	I
di-n-Butyl phthalate	1	ug/L	5	8270C	03/10/04 10:02	84-74-2	IBJ
Benzaldehyde	Not detected	ug/L	5	8270C	03/10/04 10:02	100-52-7	I

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S16246.22 (continued)

Sample Tag: Rinse Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Benzo(a)anthracene	Not detected	ug/L	5	8270C	03/10/04 10:02	56-55-3	I
Benzo(a)pyrene	Not detected	ug/L	5	8270C	03/10/04 10:02	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	03/10/04 10:02	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	03/10/04 10:02	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	03/10/04 10:02	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	03/10/04 10:02	85-68-7	I
2-Chloronaphthalene	Not detected	ug/L	5	8270C	03/10/04 10:02	91-58-7	I
2-Chlorophenol	Not detected	ug/L	5	8270C	03/10/04 10:02	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	03/10/04 10:02	59-50-7	I
4-Chloroaniline	Not detected	ug/L	20	8270C	03/10/04 10:02	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	03/10/04 10:02	7005-72-3	I
Caprolactam	Not detected	ug/L	10	8270C	03/10/04 10:02	105-60-2	I
Carbazole	Not detected	ug/L	10	8270C	03/10/04 10:02	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	03/10/04 10:02	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	03/10/04 10:02	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	03/10/04 10:02	108-60-1	I
Chrysene	Not detected	ug/L	5	8270C	03/10/04 10:02	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	03/10/04 10:02	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	03/10/04 10:02	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	03/10/04 10:02	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	03/10/04 10:02	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	03/10/04 10:02	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	03/10/04 10:02	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	03/10/04 10:02	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	03/10/04 10:02	53-70-3	I
Dibenzofuran	Not detected	ug/L	5	8270C	03/10/04 10:02	132-64-9	I
Diethyl phthalate	Not detected	ug/L	5	8270C	03/10/04 10:02	84-66-2	I
Dimethyl phthalate	Not detected	ug/L	5	8270C	03/10/04 10:02	131-11-3	I
bis(2-Ethylhexyl)phthalate	1	ug/L	5	8270C	03/10/04 10:02	117-81-7	IBJ
Fluoranthene	Not detected	ug/L	5	8270C	03/10/04 10:02	206-44-0	I
Fluorene	Not detected	ug/L	5	8270C	03/10/04 10:02	86-73-7	I
Hexachlorobenzene	Not detected	ug/L	5	8270C	03/10/04 10:02	118-74-1	I
Hexachlorobutadiene	Not detected	ug/L	5	8270C	03/10/04 10:02	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	03/10/04 10:02	77-47-4	I
Hexachloroethane	Not detected	ug/L	5	8270C	03/10/04 10:02	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	03/10/04 10:02	193-39-5	I
Isophorone	Not detected	ug/L	5	8270C	03/10/04 10:02	78-59-1	I
2-Methylnaphthalene	Not detected	ug/L	5	8270C	03/10/04 10:02	91-57-6	I
2-Methylphenol	Not detected	ug/L	5	8270C	03/10/04 10:02	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	03/10/04 10:02	108-39-4	I
2-Nitroaniline	Not detected	ug/L	20	8270C	03/10/04 10:02	88-74-4	I
2-Nitrophenol	Not detected	ug/L	5	8270C	03/10/04 10:02	88-75-5	I
3-Nitroaniline	Not detected	ug/L	20	8270C	03/10/04 10:02	99-09-2	I
4-Nitroaniline	Not detected	ug/L	20	8270C	03/10/04 10:02	100-01-6	I
4-Nitrophenol	Not detected	ug/L	20	8270C	03/10/04 10:02	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	03/10/04 10:02	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	03/10/04 10:02	86-30-6	I

I-Matrix interference with internal standard

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.22 (continued)

Sample Tag: Rinse Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (continued)							
Naphthalene	Not detected	ug/L	5	8270C	03/10/04 10:02	91-20-3	I
Nitrobenzene	Not detected	ug/L	5	8270C	03/10/04 10:02	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	03/10/04 10:02	117-84-0	I
Pentachlorophenol	Not detected	ug/L	20	8270C	03/10/04 10:02	87-86-5	I
Phenanthrene	Not detected	ug/L	5	8270C	03/10/04 10:02	85-01-8	I
Phenol	Not detected	ug/L	5	8270C	03/10/04 10:02	108-95-2	I
Pyrene	Not detected	ug/L	5	8270C	03/10/04 10:02	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	03/10/04 10:02	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	03/10/04 10:02	88-06-2	I
TCL Semi-Volatile Organics (Replicate 01)							
Acenaphthene	Not detected	ug/L	60	8270C	03/10/04 23:59	83-32-9	X
Acenaphthylene	Not detected	ug/L	60	8270C	03/10/04 23:59	208-96-8	X
Acetophenone	Not detected	ug/L	60	8270C	03/10/04 23:59	98-86-2	X
Anthracene	Not detected	ug/L	60	8270C	03/10/04 23:59	120-12-7	X
Atrazine	Not detected	ug/L	60	8270C	03/10/04 23:59	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/L	60	8270C	03/10/04 23:59	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/L	60	8270C	03/10/04 23:59	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/L	60	8270C	03/10/04 23:59	84-74-2	X
Benzaldehyde	Not detected	ug/L	60	8270C	03/10/04 23:59	100-52-7	X
Benzo(a)anthracene	Not detected	ug/L	60	8270C	03/10/04 23:59	56-55-3	X
Benzo(a)pyrene	Not detected	ug/L	60	8270C	03/10/04 23:59	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/L	60	8270C	03/10/04 23:59	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/L	60	8270C	03/10/04 23:59	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/L	60	8270C	03/10/04 23:59	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/L	60	8270C	03/10/04 23:59	85-68-7	X
2-Chloronaphthalene	Not detected	ug/L	60	8270C	03/10/04 23:59	91-58-7	X
2-Chlorophenol	Not detected	ug/L	60	8270C	03/10/04 23:59	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/L	60	8270C	03/10/04 23:59	59-50-7	X
4-Chloroaniline	Not detected	ug/L	200	8270C	03/10/04 23:59	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/L	60	8270C	03/10/04 23:59	7005-72-3	X
Caprolactam	Not detected	ug/L	100	8270C	03/10/04 23:59	105-60-2	X
Carbazole	Not detected	ug/L	100	8270C	03/10/04 23:59	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/L	60	8270C	03/10/04 23:59	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/L	60	8270C	03/10/04 23:59	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/L	60	8270C	03/10/04 23:59	108-60-1	X
Chrysene	Not detected	ug/L	60	8270C	03/10/04 23:59	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	100	8270C	03/10/04 23:59	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/L	60	8270C	03/10/04 23:59	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/L	200	8270C	03/10/04 23:59	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/L	60	8270C	03/10/04 23:59	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/L	60	8270C	03/10/04 23:59	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/L	200	8270C	03/10/04 23:59	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/L	200	8270C	03/10/04 23:59	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/L	60	8270C	03/10/04 23:59	53-70-3	X
Dibenzofuran	Not detected	ug/L	60	8270C	03/10/04 23:59	132-64-9	X
Diethyl phthalate	Not detected	ug/L	60	8270C	03/10/04 23:59	84-66-2	X

I-Matrix interference with internal standard

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.22 (continued)

Sample Tag: Rinse Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Semi-Volatile Organics (Replicate 01) (continued)							
Dimethyl phthalate	Not detected	ug/L	60	8270C	03/10/04 23:59	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	60	8270C	03/10/04 23:59	117-81-7	X
Fluoranthene	Not detected	ug/L	60	8270C	03/10/04 23:59	206-44-0	X
Fluorene	Not detected	ug/L	60	8270C	03/10/04 23:59	86-73-7	X
Hexachlorobenzene	Not detected	ug/L	60	8270C	03/10/04 23:59	118-74-1	X
Hexachlorobutadiene	Not detected	ug/L	60	8270C	03/10/04 23:59	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/L	60	8270C	03/10/04 23:59	77-47-4	X
Hexachloroethane	Not detected	ug/L	60	8270C	03/10/04 23:59	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	60	8270C	03/10/04 23:59	193-39-5	X
Isophorone	Not detected	ug/L	60	8270C	03/10/04 23:59	78-59-1	X
2-Methylnaphthalene	Not detected	ug/L	60	8270C	03/10/04 23:59	91-57-6	X
2-Methylphenol	Not detected	ug/L	60	8270C	03/10/04 23:59	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/L	60	8270C	03/10/04 23:59	108-39-4	X
2-Nitroaniline	Not detected	ug/L	200	8270C	03/10/04 23:59	88-74-4	X
2-Nitrophenol	Not detected	ug/L	60	8270C	03/10/04 23:59	88-75-5	X
3-Nitroaniline	Not detected	ug/L	200	8270C	03/10/04 23:59	99-09-2	X
4-Nitroaniline	Not detected	ug/L	200	8270C	03/10/04 23:59	100-01-6	X
4-Nitrophenol	Not detected	ug/L	200	8270C	03/10/04 23:59	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/L	60	8270C	03/10/04 23:59	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/L	60	8270C	03/10/04 23:59	86-30-6	X
Naphthalene	Not detected	ug/L	60	8270C	03/10/04 23:59	91-20-3	X
Nitrobenzene	Not detected	ug/L	60	8270C	03/10/04 23:59	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/L	60	8270C	03/10/04 23:59	117-84-0	X
Pentachlorophenol	Not detected	ug/L	200	8270C	03/10/04 23:59	87-86-5	X
Phenanthrene	Not detected	ug/L	60	8270C	03/10/04 23:59	85-01-8	X
Phenol	Not detected	ug/L	60	8270C	03/10/04 23:59	108-95-2	X
Pyrene	Not detected	ug/L	60	8270C	03/10/04 23:59	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/L	60	8270C	03/10/04 23:59	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/L	60	8270C	03/10/04 23:59	88-06-2	X
TCL Low-Level Polynuclear Aromatics							
Acenaphthene	Not detected	ug/L	2	8270C	03/11/04 04:33	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	03/11/04 04:33	208-96-8	
Anthracene	Not detected	ug/L	2	8270C	03/11/04 04:33	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	03/11/04 04:33	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	03/11/04 04:33	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	03/11/04 04:33	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	03/11/04 04:33	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	03/11/04 04:33	191-24-2	
Chrysene	Not detected	ug/L	2	8270C	03/11/04 04:33	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	03/11/04 04:33	53-70-3	
Fluoranthene	Not detected	ug/L	2	8270C	03/11/04 04:33	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	03/11/04 04:33	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	03/11/04 04:33	193-39-5	
Naphthalene	Not detected	ug/L	2	8270C	03/11/04 04:33	91-20-3	
Phenanthrene	Not detected	ug/L	2	8270C	03/11/04 04:33	85-01-8	
Pyrene	Not detected	ug/L	2	8270C	03/11/04 04:33	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	03/11/04 04:33	91-57-6	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16246.22 (continued)

Sample Tag: Rinse Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL PCB List (Column 1)							
PCB-1016	Not detected	ug/L	0.01	8082	03/10/04 11:39	12674-11-2	
PCB-1242	Not detected	ug/L	0.01	8082	03/10/04 11:39	53469-21-9	
PCB-1221	Not detected	ug/L	0.01	8082	03/10/04 11:39	11104-28-2	
PCB-1232	Not detected	ug/L	0.01	8082	03/10/04 11:39	11141-16-5	
PCB-1248	Not detected	ug/L	0.01	8082	03/10/04 11:39	12672-29-6	
PCB-1254	Not detected	ug/L	0.01	8082	03/10/04 11:39	11097-69-1	
PCB-1260	Not detected	ug/L	0.01	8082	03/10/04 11:39	11096-82-5	
TCL PCB List (Column 2)							
PCB-1016	Not detected	ug/L	0.01	8082	03/10/04 12:39	12674-11-2	
PCB-1242	Not detected	ug/L	0.01	8082	03/10/04 12:39	53469-21-9	
PCB-1221	Not detected	ug/L	0.01	8082	03/10/04 12:39	11104-28-2	
PCB-1232	Not detected	ug/L	0.01	8082	03/10/04 12:39	11141-16-5	
PCB-1248	Not detected	ug/L	0.01	8082	03/10/04 12:39	12672-29-6	
PCB-1254	Not detected	ug/L	0.01	8082	03/10/04 12:39	11097-69-1	
PCB-1260	Not detected	ug/L	0.01	8082	03/10/04 12:39	11096-82-5	



Analytical Laboratory Report

Lab Sample ID: S16246.23
Sample Tag: Trip Blank
Collected Date/Time: 03/03/2004 :
Matrix: Groundwater
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	None	Yes	8	3

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics							
TCL Volatile Organics 8260							
Acetone	Not detected	ug/L	30	8260B	03/11/04 22:15	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	03/11/04 22:15	78-93-3	
Benzene	Not detected	ug/L	1	8260B	03/11/04 22:15	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	03/11/04 22:15	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	03/11/04 22:15	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	03/11/04 22:15	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	03/11/04 22:15	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	03/11/04 22:15	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	03/11/04 22:15	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	03/11/04 22:15	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	03/11/04 22:15	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	03/11/04 22:15	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	03/11/04 22:15	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	03/11/04 22:15	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	03/11/04 22:15	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	03/11/04 22:15	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	03/11/04 22:15	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	03/11/04 22:15	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	03/11/04 22:15	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	03/11/04 22:15	78-87-5	
1,3-Dichlorobenzene	0.2	ug/L	1	8260B	03/11/04 22:15	541-73-1	BJ
1,4-Dichlorobenzene	0.2	ug/L	1	8260B	03/11/04 22:15	106-46-7	BJ
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	03/11/04 22:15	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	03/11/04 22:15	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	03/11/04 22:15	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	03/11/04 22:15	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	03/11/04 22:15	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	03/11/04 22:15	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	03/11/04 22:15	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	03/11/04 22:15	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	03/11/04 22:15	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	03/11/04 22:15	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	1	8260B	03/11/04 22:15	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	03/11/04 22:15	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	03/11/04 22:15	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	03/11/04 22:15	75-09-2	
Styrene	Not detected	ug/L	1	8260B	03/11/04 22:15	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	03/11/04 22:15	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	03/11/04 22:15	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	03/11/04 22:15	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	03/11/04 22:15	79-00-5	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S16246.23 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	CAS #	Flags
Organics (continued)							
TCL Volatile Organics 8260 (continued)							
1,2,4-Trichlorobenzene	0.3	ug/L	2	8260B	03/11/04 22:15	120-82-1	BJ
Tetrachloroethene	Not detected	ug/L	1	8260B	03/11/04 22:15	127-18-4	
Toluene	0.1	ug/L	1	8260B	03/11/04 22:15	108-88-3	J
Trichloroethene	Not detected	ug/L	1	8260B	03/11/04 22:15	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	03/11/04 22:15	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	03/11/04 22:15	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	03/11/04 22:15	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	03/11/04 22:15	106-42-3	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Report ID: S16817.01(02)

Generated on 05/04/2004

Report to

Attention: Mr. Jim Kralik
Blasland, Bouck & Lee, Inc.
455 E. Eisenhower Prkwy.
Ann Arbor, MI 48108

Phone: 734-668-1133 FAX: 734-668-1538

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S16817.01-S16817.05

Project: 160 Acre Site - Burton

Submitted Date/Time: 04/23/2004 10:00

Sampled by: James Kralik

P.O. #: 64448

Report Notes

Results relate only to items tested.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S16817.03

Sample Tag: MW404042204 (5-8)

Collected Date/Time: 04/22/2004 14:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8 oz Glass	None	Yes	4	3
1	20g EnCore	None	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	04/23/04 14:30	TAS		
Mercury Digestion	Completed			7471A	04/23/04 11:26	JRT		
Metal Digestion	Completed			3050B	04/23/04 12:30	PER		
PNA Extraction	Completed			3550B	04/23/04 19:40	SD		
Inorganics								
Total Solids	86.8	%	1	160.3	04/23/04 16:01	JSP		
Metals								
Arsenic	2.54	mg/kg	0.10	6020	04/23/04 16:05	PER	7440-38-2	
Barium	42.0	mg/kg	1.0	6020	04/23/04 16:05	PER	7440-39-3	
Cadmium	0.20	mg/kg	0.05	6020	04/23/04 16:05	PER	7440-43-9	
Chromium	6.74	mg/kg	0.50	6020	04/23/04 16:05	PER	7440-47-3	
Lead	23.1	mg/kg	0.50	6020	04/23/04 16:05	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	04/23/04 18:11	JRT	7439-97-6	
Selenium	0.41	mg/kg	0.20	6020	04/23/04 16:05	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	04/23/04 16:05	PER	7440-22-4	
Organics								
Volatile Organics 5035								
Acetone	Not detected	ug/kg	3,000	5035/8260B	04/23/04 14:11	JGH	67-64-1	
Benzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	04/23/04 14:11	JGH	74-83-9	
2-Butanone (MEK)	Not detected	ug/kg	3,000	5035/8260B	04/23/04 14:11	JGH	78-93-3	
n-Butylbenzene	60	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	98-06-6	
Carbon disulfide	Not detected	ug/kg	3,000	5035/8260B	04/23/04 14:11	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	75-35-4	



Analytical Laboratory Report

Lab Sample ID: S16817.03 (continued)

Sample Tag: MW404042204 (5-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics 5035 (continued)								
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	100-41-4	
Ethylene dibromide	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	106-93-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	04/23/04 14:11	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	98-82-8	
p-Isopropyltoluene	60	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	99-87-6	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	04/23/04 14:11	JGH	75-09-2	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	04/23/04 14:11	JGH	1634-04-4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	04/23/04 14:11	JGH	108-10-1	
Naphthalene	60	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	103-65-1	
Styrene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	79-00-5	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	79-01-6	
1,2,4-Trimethylbenzene	60	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	108-67-8	
Vinyl chloride	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	04/23/04 14:11	JGH	106-42-3	
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	04/26/04 13:43	JANB	11096-82-5	
Polynuclear Aromatics								
Acenaphthene	4,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	3,000	8270C	04/25/04 19:13	ARH	208-96-8	X
Anthracene	4,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	120-12-7	X
Benzo(a)anthracene	6,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	56-55-3	X
Benzo(a)pyrene	6,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	50-32-8	X
Benzo(b)fluoranthene	7,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	205-99-2	X
Benzo(k)fluoranthene	3,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	207-08-9	X
Benzo(ghi)perylene	4,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	191-24-2	X
Chrysene	7,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	218-01-9	X
Dibenzo(ah)anthracene	Not detected	ug/kg	3,000	8270C	04/25/04 19:13	ARH	53-70-3	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16817.03 (continued)

Sample Tag: MW404042204 (5-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Polynuclear Aromatics (continued)								
Fluoranthene	23,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	206-44-0	X
Fluorene	8,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	86-73-7	X
Indeno(1,2,3-cd)pyrene	4,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	193-39-5	X
Naphthalene	Not detected	ug/kg	3,000	8270C	04/25/04 19:13	ARH	91-20-3	X
Phenanthrene	39,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	85-01-8	X
Pyrene	18,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	129-00-0	X
2-Methylnaphthalene	3,000	ug/kg	3,000	8270C	04/25/04 19:13	ARH	91-57-6	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Report ID: S16847.01(02)
Generated on 05/10/2004

Report to

Attention: Mr. Jim Kralik
Blasland, Bouck & Lee, Inc.
455 E. Eisenhower Prkwy.
Ann Arbor, MI 48108

Phone: 734-668-1133 FAX: 734-668-1538

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S16847.01-S16847.08

Project: 64448 160 Acre Site - Burton

Submitted Date/Time: 04/26/2004 14:30

Sampled by: James Kralik

P.O. #: 64448

Report Notes

Results relate only to items tested.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S16847.02

Sample Tag: MW404042304

Collected Date/Time: 04/23/2004 10:05

Matrix: Groundwater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40 ml Glass	HCL	Yes	6	3
1	125ml Plastic	HNO3	Yes	6	3
2	1 L Amber	None	Yes	6	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3510C	05/03/04 12:00	TAS		
Mercury Digestion	Completed			7470A	04/27/04 12:13	JRT		
Metal Digestion	Completed			3015A	04/30/04 10:30	MSH		
PNA Extraction	Completed			3510C	04/29/04 19:20	SD		
Metals								
Arsenic	Not detected	mg/L	0.002	200.8	05/06/04 19:11	PER	7440-38-2	
Barium	0.080	mg/L	0.005	200.8	05/06/04 19:11	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	05/06/04 19:11	PER	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	05/06/04 19:11	PER	7440-47-3	
Lead	Not detected	mg/L	0.003	200.8	05/06/04 19:11	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1M	04/27/04 14:49	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	05/06/04 19:11	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	05/06/04 19:11	PER	7440-22-4	
Organics								
PCB								
PCB-1016	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	05/05/04 16:54	JANB	11096-82-5	
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	75-25-2	
Bromomethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	541-73-1	



Analytical Laboratory Report

Lab Sample ID: S16847.02 (continued)

Sample Tag: MW404042304

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	05/04/04 02:30	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	05/04/04 02:30	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	05/04/04 02:30	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	05/04/04 02:30	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	05/04/04 02:30	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	05/04/04 02:30	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	05/04/04 02:30	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	05/04/04 02:30	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	05/04/04 02:30	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	05/04/04 02:30	JGH	1634-04-4	
Polynuclear Aromatic Hydrocarbon								
Acenaphthene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	208-96-8	
Anthracene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	191-24-2	
Chrysene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	53-70-3	
Fluoranthene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	206-44-0	
Fluorene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	193-39-5	
Naphthalene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	91-20-3	



Analytical Laboratory Report

Lab Sample ID: S16847.02 (continued)

Sample Tag: MW404042304

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Polynuclear Aromatic Hydrocarbon (continued)								
Phenanthrene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	85-01-8	
Pyrene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	05/03/04 21:06	ARH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S16847.08

Sample Tag: MW404502042304 (6-8)

Collected Date/Time: 04/23/2004 16:25

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	20g EnCore	None	Yes	6	3
2	4oz. Glass	None	Yes	6	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			3550B	05/04/04 14:00	TAS		
Mercury Digestion	Completed			7471A	04/28/04 14:20	JRT		
Metal Digestion	Completed			3050B	05/04/04 13:30	MSH		
PNA Extraction	Completed			3550B	04/29/04 19:19	SD		
Inorganics								
Total Solids	90	%	1	160.3	04/27/04 10:57	JSP		
Metals								
Arsenic	1.81	mg/kg	0.10	6020	05/06/04 19:36	PER	7440-38-2	
Barium	29.1	mg/kg	1.0	6020	05/06/04 19:36	PER	7440-39-3	
Cadmium	0.19	mg/kg	0.05	6020	05/06/04 19:36	PER	7440-43-9	
Chromium	8.67	mg/kg	0.50	6020	05/06/04 19:36	PER	7440-47-3	
Lead	18.0	mg/kg	0.50	6020	05/06/04 19:36	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471M	04/28/04 17:11	JRT	7439-97-6	
Selenium	0.39	mg/kg	0.20	6020	05/06/04 19:36	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	6020	05/06/04 19:36	PER	7440-22-4	
Organics								
Volatile Organics 5035								
Acetone	Not detected	ug/kg	3,000	5035/8260B	05/05/04 13:15	JGH	67-64-1	
Benzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/05/04 13:15	JGH	74-83-9	
2-Butanone (MEK)	Not detected	ug/kg	3,000	5035/8260B	05/05/04 13:15	JGH	78-93-3	
n-Butylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	98-06-6	
Carbon disulfide	Not detected	ug/kg	3,000	5035/8260B	05/05/04 13:15	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	75-35-4	



Analytical Laboratory Report

Lab Sample ID: S16847.08 (continued)

Sample Tag: MW404502042304 (6-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics 5035 (continued)								
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	100-41-4	
Ethylene dibromide	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	106-93-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/05/04 13:15	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	99-87-6	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/05/04 13:15	JGH	75-09-2	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/05/04 13:15	JGH	1634-04-4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/05/04 13:15	JGH	108-10-1	
Naphthalene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	103-65-1	
Styrene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	79-00-5	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	108-67-8	
Vinyl chloride	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/05/04 13:15	JGH	106-42-3	
PCB List								
PCB-1016	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	12674-11-2	
PCB-1242	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	53469-21-9	
PCB-1221	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	11104-28-2	
PCB-1232	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	11141-16-5	
PCB-1248	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	12672-29-6	
PCB-1254	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	11097-69-1	
PCB-1260	Not detected	ug/kg	330	8082	05/07/04 17:11	JANB	11096-82-5	
Polynuclear Aromatics								
Acenaphthene	2,500	ug/kg	400	8270C	05/04/04 02:08	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	400	8270C	05/04/04 02:08	ARH	208-96-8	X
Anthracene	5,400	ug/kg	400	8270C	05/04/04 02:08	ARH	120-12-7	X
Benzo(a)anthracene	10,900	ug/kg	400	8270C	05/04/04 02:08	ARH	56-55-3	X
Benzo(a)pyrene	10,700	ug/kg	400	8270C	05/04/04 02:08	ARH	50-32-8	X
Benzo(b)fluoranthene	13,900	ug/kg	400	8270C	05/04/04 02:08	ARH	205-99-2	X
Benzo(k)fluoranthene	5,600	ug/kg	400	8270C	05/04/04 02:08	ARH	207-08-9	X
Benzo(ghi)perylene	6,900	ug/kg	400	8270C	05/04/04 02:08	ARH	191-24-2	X
Chrysene	10,400	ug/kg	400	8270C	05/04/04 02:08	ARH	218-01-9	X
Dibenzo(ah)anthracene	500	ug/kg	400	8270C	05/04/04 02:08	ARH	53-70-3	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S16847.08 (continued)

Sample Tag: MW404502042304 (6-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Polynuclear Aromatics (continued)								
Fluoranthene	28,000	ug/kg	400	8270C	05/04/04 02:08	ARH	206-44-0	X
Fluorene	1,900	ug/kg	400	8270C	05/04/04 02:08	ARH	86-73-7	X
Indeno(1,2,3-cd)pyrene	6,300	ug/kg	400	8270C	05/04/04 02:08	ARH	193-39-5	X
Naphthalene	900	ug/kg	400	8270C	05/04/04 02:08	ARH	91-20-3	X
Phenanthrene	18,200	ug/kg	400	8270C	05/04/04 02:08	ARH	85-01-8	X
Pyrene	23,300	ug/kg	400	8270C	05/04/04 02:08	ARH	129-00-0	X
2-Methylnaphthalene	Not detected	ug/kg	400	8270C	05/04/04 02:08	ARH	91-57-6	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Report ID: S17003.01(01)
Generated on 05/10/2004

Report to

Attention: Mr. John McKenna
Blasland, Bouck & Lee, Inc.
1920 Opdyke Court Suite 200
Auburn Hills, MI 48326

Phone: 248-377-9162 x. 108 FAX: 248-377-9413

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S17003.01-S17003.14
Project: 64448 GM Flint East
Submitted Date/Time: 05/07/2004 17:07
Sampled by: Jim Kralik
P.O. #:

Report Notes

Results relate only to items tested.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S17003.01
Sample Tag: S05050704 (0-2)
Collected Date/Time: 05/07/2004 08:30
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	86	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 15:47	PER	7440-36-0	
Barium	62.4	mg/kg	1.0	6020	05/08/04 15:47	PER	7440-39-3	
Cadmium	0.05	mg/kg	0.05	6020	05/08/04 15:47	PER	7440-43-9	
Copper	3.7	mg/kg	1.0	6020	05/08/04 15:47	PER	7440-50-8	
Lead	5.7	mg/kg	1.0	6020	05/08/04 15:47	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:05	JRT	7439-97-6	
Nickel	2.17	mg/kg	0.50	6020	05/08/04 15:47	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 15:47	PER	7440-22-4	
Vanadium	4.25	mg/kg	0.50	6020	05/08/04 15:47	PER	7440-62-2	
Zinc	7.7	mg/kg	1.0	6020	05/08/04 15:47	PER	7440-66-6	
Arsenic	0.58	mg/kg	0.10	6020	05/08/04 15:47	PER	7440-38-2	
Beryllium	0.379	mg/kg	0.100	6020	05/08/04 15:47	PER	7440-41-7	
Cobalt	1.94	mg/kg	0.50	6020	05/08/04 15:47	PER	7440-48-4	
Chromium	2.70	mg/kg	0.50	6020	05/08/04 15:47	PER	7440-47-3	
Manganese	61.3	mg/kg	0.50	6020	05/08/04 15:47	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 15:47	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 15:47	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 04:03	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 04:03	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 04:03	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 04:03	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 04:03	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 04:03	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.01 (continued)

Sample Tag: S05050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 04:03	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 04:03	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 04:03	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 04:03	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 04:03	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 04:03	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 04:03	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 04:03	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 04:03	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 04:03	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.01 (continued)

Sample Tag: S05050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 12:17	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 12:17	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.01 (continued)

Sample Tag: S05050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 12:17	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.02
Sample Tag: S05050704 (8-10)
Collected Date/Time: 05/07/2004 08:35
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	91	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 15:51	PER	7440-36-0	
Barium	3.5	mg/kg	1.0	6020	05/08/04 15:51	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	05/08/04 15:51	PER	7440-43-9	
Copper	Not detected	mg/kg	1.0	6020	05/08/04 15:51	PER	7440-50-8	
Lead	1.2	mg/kg	1.0	6020	05/08/04 15:51	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:06	JRT	7439-97-6	
Nickel	1.41	mg/kg	0.50	6020	05/08/04 15:51	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 15:51	PER	7440-22-4	
Vanadium	1.68	mg/kg	0.50	6020	05/08/04 15:51	PER	7440-62-2	
Zinc	2.5	mg/kg	1.0	6020	05/08/04 15:51	PER	7440-66-6	
Arsenic	0.47	mg/kg	0.10	6020	05/08/04 15:51	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 15:51	PER	7440-41-7	
Cobalt	1.02	mg/kg	0.50	6020	05/08/04 15:51	PER	7440-48-4	
Chromium	1.40	mg/kg	0.50	6020	05/08/04 15:51	PER	7440-47-3	
Manganese	95.5	mg/kg	0.50	6020	05/08/04 15:51	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 15:51	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 15:51	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 05:11	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 05:11	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 05:11	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 05:11	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 05:11	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 05:11	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.02 (continued)

Sample Tag: S05050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 05:11	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 05:11	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 05:11	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 05:11	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 05:11	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 05:11	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 05:11	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 05:11	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 05:11	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:11	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.02 (continued)

Sample Tag: S05050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 14:21	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 14:21	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.02 (continued)

Sample Tag: S05050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 14:21	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.03
Sample Tag: S05050704 (11-13)
Collected Date/Time: 05/07/2004 08:40
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	84	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 15:54	PER	7440-36-0	
Barium	9.6	mg/kg	1.0	6020	05/08/04 15:54	PER	7440-39-3	
Cadmium	0.08	mg/kg	0.05	6020	05/08/04 15:54	PER	7440-43-9	
Copper	1.8	mg/kg	1.0	6020	05/08/04 15:54	PER	7440-50-8	
Lead	2.3	mg/kg	1.0	6020	05/08/04 15:54	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:08	JRT	7439-97-6	
Nickel	2.67	mg/kg	0.50	6020	05/08/04 15:54	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 15:54	PER	7440-22-4	
Vanadium	4.01	mg/kg	0.50	6020	05/08/04 15:54	PER	7440-62-2	
Zinc	8.0	mg/kg	1.0	6020	05/08/04 15:54	PER	7440-66-6	
Arsenic	1.11	mg/kg	0.10	6020	05/08/04 15:54	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 15:54	PER	7440-41-7	
Cobalt	2.15	mg/kg	0.50	6020	05/08/04 15:54	PER	7440-48-4	
Chromium	1.68	mg/kg	0.50	6020	05/08/04 15:54	PER	7440-47-3	
Manganese	148	mg/kg	0.50	6020	05/08/04 15:54	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 15:54	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 15:54	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 05:45	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 05:45	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 05:45	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 05:45	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 05:45	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 05:45	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.03 (continued)

Sample Tag: S05050704 (11-13)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 05:45	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 05:45	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 05:45	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 05:45	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 05:45	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 05:45	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 05:45	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 05:45	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 05:45	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 05:45	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.03 (continued)

Sample Tag: S05050704 (11-13)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 15:02	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 15:02	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.03 (continued)

Sample Tag: S05050704 (11-13)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:02	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.04
Sample Tag: S06050704 (0-2)
Collected Date/Time: 05/07/2004 08:50
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	88	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:28	PER	7440-36-0	
Barium	51.1	mg/kg	1.0	6020	05/08/04 16:28	PER	7440-39-3	
Cadmium	0.23	mg/kg	0.05	6020	05/08/04 16:28	PER	7440-43-9	
Copper	11.1	mg/kg	1.0	6020	05/08/04 16:28	PER	7440-50-8	
Lead	63.6	mg/kg	1.0	6020	05/08/04 16:28	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:16	JRT	7439-97-6	
Nickel	5.79	mg/kg	0.50	6020	05/08/04 16:28	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:28	PER	7440-22-4	
Vanadium	5.20	mg/kg	0.50	6020	05/08/04 16:28	PER	7440-62-2	
Zinc	116	mg/kg	1.0	6020	05/08/04 16:28	PER	7440-66-6	
Arsenic	2.20	mg/kg	0.10	6020	05/08/04 16:28	PER	7440-38-2	
Beryllium	0.228	mg/kg	0.100	6020	05/08/04 16:28	PER	7440-41-7	
Cobalt	2.99	mg/kg	0.50	6020	05/08/04 16:28	PER	7440-48-4	
Chromium	5.12	mg/kg	0.50	6020	05/08/04 16:28	PER	7440-47-3	
Manganese	329	mg/kg	0.50	6020	05/08/04 16:28	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 16:28	PER	7782-49-2	
Thallium	0.13	mg/kg	0.10	6020	05/08/04 16:28	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 06:19	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 06:19	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 06:19	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 06:19	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 06:19	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 06:19	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.04 (continued)

Sample Tag: S06050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 06:19	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 06:19	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 06:19	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 06:19	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 06:19	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 06:19	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 06:19	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 06:19	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 06:19	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:19	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	100-52-7	
Benzo(a)anthracene	600	ug/kg	330	8270C	05/08/04 16:25	ARH	56-55-3	
Benzo(a)pyrene	640	ug/kg	330	8270C	05/08/04 16:25	ARH	50-32-8	
Benzo(b)fluoranthene	990	ug/kg	330	8270C	05/08/04 16:25	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.04 (continued)

Sample Tag: S06050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	108-60-1	
Chrysene	640	ug/kg	330	8270C	05/08/04 16:25	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	117-81-7	
Fluoranthene	1,370	ug/kg	330	8270C	05/08/04 16:25	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 16:25	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 16:25	ARH	87-86-5	
Phenanthrene	720	ug/kg	330	8270C	05/08/04 16:25	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.04 (continued)

Sample Tag: S06050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	560	ug/kg	330	8270C	05/08/04 16:25	ARH	108-95-2	
Pyrene	1,130	ug/kg	330	8270C	05/08/04 16:25	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 16:25	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.05
Sample Tag: S06050704 (8-10)
Collected Date/Time: 05/07/2004 08:55
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	90	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:32	PER	7440-36-0	
Barium	26.7	mg/kg	1.0	6020	05/08/04 16:32	PER	7440-39-3	
Cadmium	0.14	mg/kg	0.05	6020	05/08/04 16:32	PER	7440-43-9	
Copper	8.9	mg/kg	1.0	6020	05/08/04 16:32	PER	7440-50-8	
Lead	14.4	mg/kg	1.0	6020	05/08/04 16:32	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:17	JRT	7439-97-6	
Nickel	5.88	mg/kg	0.50	6020	05/08/04 16:32	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:32	PER	7440-22-4	
Vanadium	5.02	mg/kg	0.50	6020	05/08/04 16:32	PER	7440-62-2	
Zinc	23.9	mg/kg	1.0	6020	05/08/04 16:32	PER	7440-66-6	
Arsenic	2.39	mg/kg	0.10	6020	05/08/04 16:32	PER	7440-38-2	
Beryllium	0.156	mg/kg	0.100	6020	05/08/04 16:32	PER	7440-41-7	
Cobalt	2.45	mg/kg	0.50	6020	05/08/04 16:32	PER	7440-48-4	
Chromium	6.39	mg/kg	0.50	6020	05/08/04 16:32	PER	7440-47-3	
Manganese	237	mg/kg	0.50	6020	05/08/04 16:32	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 16:32	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 16:32	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 06:53	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 06:53	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 06:53	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 06:53	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 06:53	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 06:53	JGH	74-87-3	
Cyclohexane	140	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.05 (continued)

Sample Tag: S06050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	10061-02-6	
Ethylbenzene	250	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 06:53	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 06:53	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 06:53	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 06:53	JGH	1634-04-4	
Methyl cyclohexane	300	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 06:53	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 06:53	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 06:53	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	127-18-4	
Toluene	150	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 06:53	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 06:53	JGH	75-01-4	
o-Xylene	440	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	95-47-6	
p,m-Xylene	1,130	ug/kg	50	5035/8260B	05/08/04 06:53	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.05 (continued)

Sample Tag: S06050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	117-81-7	X
Fluoranthene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.05 (continued)

Sample Tag: S06050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	85-01-8	X
Phenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	7,000	8270C	05/08/04 17:48	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.06

Sample Tag: S06050704 (10-11)

Collected Date/Time: 05/07/2004 09:00

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	85	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:36	PER	7440-36-0	
Barium	43.5	mg/kg	1.0	6020	05/08/04 16:36	PER	7440-39-3	
Cadmium	0.24	mg/kg	0.05	6020	05/08/04 16:36	PER	7440-43-9	
Copper	19.1	mg/kg	1.0	6020	05/08/04 16:36	PER	7440-50-8	
Lead	20.8	mg/kg	1.0	6020	05/08/04 16:36	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:19	JRT	7439-97-6	
Nickel	7.02	mg/kg	0.50	6020	05/08/04 16:36	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:36	PER	7440-22-4	
Vanadium	5.95	mg/kg	0.50	6020	05/08/04 16:36	PER	7440-62-2	
Zinc	27.5	mg/kg	1.0	6020	05/08/04 16:36	PER	7440-66-6	
Arsenic	5.23	mg/kg	0.10	6020	05/08/04 16:36	PER	7440-38-2	
Beryllium	0.198	mg/kg	0.100	6020	05/08/04 16:36	PER	7440-41-7	
Cobalt	2.79	mg/kg	0.50	6020	05/08/04 16:36	PER	7440-48-4	
Chromium	7.98	mg/kg	0.50	6020	05/08/04 16:36	PER	7440-47-3	
Manganese	357	mg/kg	0.50	6020	05/08/04 16:36	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 16:36	PER	7782-49-2	
Thallium	0.19	mg/kg	0.10	6020	05/08/04 16:36	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 07:27	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 07:27	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 07:27	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 07:27	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 07:27	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 07:27	JGH	74-87-3	
Cyclohexane	170	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.06 (continued)

Sample Tag: S06050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	10061-02-6	
Ethylbenzene	410	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 07:27	JGH	591-78-6	
Isopropylbenzene	80	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 07:27	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 07:27	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 07:27	JGH	1634-04-4	
Methyl cyclohexane	500	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 07:27	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 07:27	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 07:27	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	127-18-4	
Toluene	140	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 07:27	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 07:27	JGH	75-01-4	
o-Xylene	600	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	95-47-6	
p,m-Xylene	1,750	ug/kg	50	5035/8260B	05/08/04 07:27	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.06 (continued)

Sample Tag: S06050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	117-81-7	X
Fluoranthene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.06 (continued)

Sample Tag: S06050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	85-01-8	X
Phenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	05/08/04 18:29	ARH	88-06-2	X
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	86-73-7	

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.06 (continued)

Sample Tag: S06050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/10/04 00:27	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/10/04 00:27	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/10/04 00:27	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.07
Sample Tag: S07050704 (0-2)
Collected Date/Time: 05/07/2004 09:10
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	89	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:40	PER	7440-36-0	
Barium	42.2	mg/kg	1.0	6020	05/08/04 16:40	PER	7440-39-3	
Cadmium	0.30	mg/kg	0.05	6020	05/08/04 16:40	PER	7440-43-9	
Copper	10.3	mg/kg	1.0	6020	05/08/04 16:40	PER	7440-50-8	
Lead	60.4	mg/kg	1.0	6020	05/08/04 16:40	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:21	JRT	7439-97-6	
Nickel	5.59	mg/kg	0.50	6020	05/08/04 16:40	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:40	PER	7440-22-4	
Vanadium	5.35	mg/kg	0.50	6020	05/08/04 16:40	PER	7440-62-2	
Zinc	41.0	mg/kg	1.0	6020	05/08/04 16:40	PER	7440-66-6	
Arsenic	2.42	mg/kg	0.10	6020	05/08/04 16:40	PER	7440-38-2	
Beryllium	0.238	mg/kg	0.100	6020	05/08/04 16:40	PER	7440-41-7	
Cobalt	2.58	mg/kg	0.50	6020	05/08/04 16:40	PER	7440-48-4	
Chromium	5.49	mg/kg	0.50	6020	05/08/04 16:40	PER	7440-47-3	
Manganese	393	mg/kg	0.50	6020	05/08/04 16:40	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 16:40	PER	7782-49-2	
Thallium	0.11	mg/kg	0.10	6020	05/08/04 16:40	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 08:01	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 08:01	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 08:01	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 08:01	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 08:01	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 08:01	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.07 (continued)

Sample Tag: S07050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 08:01	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 08:01	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 08:01	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 08:01	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 08:01	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 08:01	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 08:01	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 08:01	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 08:01	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:01	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	100-52-7	
Benzo(a)anthracene	700	ug/kg	330	8270C	05/08/04 17:06	ARH	56-55-3	
Benzo(a)pyrene	730	ug/kg	330	8270C	05/08/04 17:06	ARH	50-32-8	
Benzo(b)fluoranthene	1,110	ug/kg	330	8270C	05/08/04 17:06	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.07 (continued)

Sample Tag: S07050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	191-24-2	
Benzo(k)fluoranthene	390	ug/kg	330	8270C	05/08/04 17:06	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	108-60-1	
Chrysene	690	ug/kg	330	8270C	05/08/04 17:06	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	117-81-7	
Fluoranthene	1,710	ug/kg	330	8270C	05/08/04 17:06	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 17:06	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 17:06	ARH	87-86-5	
Phenanthrene	1,030	ug/kg	330	8270C	05/08/04 17:06	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.07 (continued)

Sample Tag: S07050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	108-95-2	
Pyrene	1,390	ug/kg	330	8270C	05/08/04 17:06	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 17:06	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.08

Sample Tag: S07050704 (8-10)

Collected Date/Time: 05/07/2004 09:15

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	86	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:44	PER	7440-36-0	
Barium	21.5	mg/kg	1.0	6020	05/08/04 16:44	PER	7440-39-3	
Cadmium	0.12	mg/kg	0.05	6020	05/08/04 16:44	PER	7440-43-9	
Copper	7.5	mg/kg	1.0	6020	05/08/04 16:44	PER	7440-50-8	
Lead	14.0	mg/kg	1.0	6020	05/08/04 16:44	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:23	JRT	7439-97-6	
Nickel	4.07	mg/kg	0.50	6020	05/08/04 16:44	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:44	PER	7440-22-4	
Vanadium	4.89	mg/kg	0.50	6020	05/08/04 16:44	PER	7440-62-2	
Zinc	33.2	mg/kg	1.0	6020	05/08/04 16:44	PER	7440-66-6	
Arsenic	2.01	mg/kg	0.10	6020	05/08/04 16:44	PER	7440-38-2	
Beryllium	0.140	mg/kg	0.100	6020	05/08/04 16:44	PER	7440-41-7	
Cobalt	1.98	mg/kg	0.50	6020	05/08/04 16:44	PER	7440-48-4	
Chromium	4.30	mg/kg	0.50	6020	05/08/04 16:44	PER	7440-47-3	
Manganese	197	mg/kg	0.50	6020	05/08/04 16:44	PER	7439-96-5	
Selenium	0.21	mg/kg	0.20	6020	05/08/04 16:44	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 16:44	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 08:35	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 08:35	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 08:35	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 08:35	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 08:35	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 08:35	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.08 (continued)

Sample Tag: S07050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 08:35	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 08:35	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 08:35	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 08:35	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 08:35	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 08:35	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 08:35	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 08:35	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 08:35	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 08:35	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.08 (continued)

Sample Tag: S07050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	117-81-7	X
Fluoranthene	3,000	ug/kg	3,000	8270C	05/08/04 19:15	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.08 (continued)

Sample Tag: S07050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	85-01-8	X
Phenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	3,000	8270C	05/08/04 19:15	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.09
Sample Tag: S07050704 (10-12)
Collected Date/Time: 05/07/2004 09:20
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	86	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:48	PER	7440-36-0	
Barium	30.5	mg/kg	1.0	6020	05/08/04 16:48	PER	7440-39-3	
Cadmium	0.13	mg/kg	0.05	6020	05/08/04 16:48	PER	7440-43-9	
Copper	9.1	mg/kg	1.0	6020	05/08/04 16:48	PER	7440-50-8	
Lead	13.9	mg/kg	1.0	6020	05/08/04 16:48	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:25	JRT	7439-97-6	
Nickel	6.73	mg/kg	0.50	6020	05/08/04 16:48	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:48	PER	7440-22-4	
Vanadium	6.30	mg/kg	0.50	6020	05/08/04 16:48	PER	7440-62-2	
Zinc	24.7	mg/kg	1.0	6020	05/08/04 16:48	PER	7440-66-6	
Arsenic	2.25	mg/kg	0.10	6020	05/08/04 16:48	PER	7440-38-2	
Beryllium	0.167	mg/kg	0.100	6020	05/08/04 16:48	PER	7440-41-7	
Cobalt	2.61	mg/kg	0.50	6020	05/08/04 16:48	PER	7440-48-4	
Chromium	14.8	mg/kg	0.50	6020	05/08/04 16:48	PER	7440-47-3	
Manganese	189	mg/kg	0.50	6020	05/08/04 16:48	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 16:48	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 16:48	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 09:09	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 09:09	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 09:09	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 09:09	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 09:09	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 09:09	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.09 (continued)

Sample Tag: S07050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 09:09	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 09:09	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 09:09	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 09:09	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 09:09	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 09:09	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 09:09	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 09:09	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 09:09	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:09	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.09 (continued)

Sample Tag: S07050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	117-81-7	X
Fluoranthene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.09 (continued)

Sample Tag: S07050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	85-01-8	X
Phenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 06:58	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.10
Sample Tag: S08050704 (0-2)
Collected Date/Time: 05/07/2004 09:30
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	89	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 16:52	PER	7440-36-0	
Barium	52.4	mg/kg	1.0	6020	05/08/04 16:52	PER	7440-39-3	
Cadmium	0.22	mg/kg	0.05	6020	05/08/04 16:52	PER	7440-43-9	
Copper	12.0	mg/kg	1.0	6020	05/08/04 16:52	PER	7440-50-8	
Lead	74.0	mg/kg	1.0	6020	05/08/04 16:52	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:26	JRT	7439-97-6	
Nickel	4.96	mg/kg	0.50	6020	05/08/04 16:52	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 16:52	PER	7440-22-4	
Vanadium	6.66	mg/kg	0.50	6020	05/08/04 16:52	PER	7440-62-2	
Zinc	39.7	mg/kg	1.0	6020	05/08/04 16:52	PER	7440-66-6	
Arsenic	2.60	mg/kg	0.10	6020	05/08/04 16:52	PER	7440-38-2	
Beryllium	0.216	mg/kg	0.100	6020	05/08/04 16:52	PER	7440-41-7	
Cobalt	2.52	mg/kg	0.50	6020	05/08/04 16:52	PER	7440-48-4	
Chromium	20.7	mg/kg	0.50	6020	05/08/04 16:52	PER	7440-47-3	
Manganese	562	mg/kg	0.50	6020	05/08/04 16:52	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 16:52	PER	7782-49-2	
Thallium	0.14	mg/kg	0.10	6020	05/08/04 16:52	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 09:43	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 09:43	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 09:43	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 09:43	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 09:43	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 09:43	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.10 (continued)

Sample Tag: S08050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 09:43	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 09:43	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 09:43	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 09:43	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 09:43	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 09:43	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 09:43	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 09:43	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 09:43	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 09:43	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.10 (continued)

Sample Tag: S08050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	700	ug/kg	600	8270C	05/09/04 00:45	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	117-81-7	X
Fluoranthene	1,000	ug/kg	600	8270C	05/09/04 00:45	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.10 (continued)

Sample Tag: S08050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	85-01-8	X
Phenol	1,300	ug/kg	600	8270C	05/09/04 00:45	ARH	108-95-2	X
Pyrene	800	ug/kg	600	8270C	05/09/04 00:45	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	05/09/04 00:45	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.11
Sample Tag: S08050704 (8-10)
Collected Date/Time: 05/07/2004 09:35
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	85	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 17:19	PER	7440-36-0	
Barium	26.9	mg/kg	1.0	6020	05/08/04 17:19	PER	7440-39-3	
Cadmium	0.48	mg/kg	0.05	6020	05/08/04 17:19	PER	7440-43-9	
Copper	8.9	mg/kg	1.0	6020	05/08/04 17:19	PER	7440-50-8	
Lead	22.8	mg/kg	1.0	6020	05/08/04 17:19	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:32	JRT	7439-97-6	
Nickel	3.62	mg/kg	0.50	6020	05/08/04 17:19	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 17:19	PER	7440-22-4	
Vanadium	6.61	mg/kg	0.50	6020	05/08/04 17:19	PER	7440-62-2	
Zinc	25.6	mg/kg	1.0	6020	05/08/04 17:19	PER	7440-66-6	
Arsenic	2.27	mg/kg	0.10	6020	05/08/04 17:19	PER	7440-38-2	
Beryllium	0.242	mg/kg	0.100	6020	05/08/04 17:19	PER	7440-41-7	
Cobalt	1.95	mg/kg	0.50	6020	05/08/04 17:19	PER	7440-48-4	
Chromium	3.16	mg/kg	0.50	6020	05/08/04 17:19	PER	7440-47-3	
Manganese	95.0	mg/kg	0.50	6020	05/08/04 17:19	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 17:19	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 17:19	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 10:17	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 10:17	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 10:17	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 10:17	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 10:17	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 10:17	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.11 (continued)

Sample Tag: S08050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 10:17	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 10:17	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 10:17	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 10:17	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 10:17	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 10:17	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 10:17	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 10:17	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 10:17	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:17	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.11 (continued)

Sample Tag: S08050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 15:44	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 15:44	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.11 (continued)

Sample Tag: S08050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 15:44	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17003.12
Sample Tag: S08050704 (10-11)
Collected Date/Time: 05/07/2004 09:40
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	87	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 17:23	PER	7440-36-0	
Barium	33.1	mg/kg	1.0	6020	05/08/04 17:23	PER	7440-39-3	
Cadmium	0.18	mg/kg	0.05	6020	05/08/04 17:23	PER	7440-43-9	
Copper	6.6	mg/kg	1.0	6020	05/08/04 17:23	PER	7440-50-8	
Lead	13.0	mg/kg	1.0	6020	05/08/04 17:23	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:34	JRT	7439-97-6	
Nickel	5.15	mg/kg	0.50	6020	05/08/04 17:23	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 17:23	PER	7440-22-4	
Vanadium	4.66	mg/kg	0.50	6020	05/08/04 17:23	PER	7440-62-2	
Zinc	20.1	mg/kg	1.0	6020	05/08/04 17:23	PER	7440-66-6	
Arsenic	3.26	mg/kg	0.10	6020	05/08/04 17:23	PER	7440-38-2	
Beryllium	0.152	mg/kg	0.100	6020	05/08/04 17:23	PER	7440-41-7	
Cobalt	2.25	mg/kg	0.50	6020	05/08/04 17:23	PER	7440-48-4	
Chromium	5.41	mg/kg	0.50	6020	05/08/04 17:23	PER	7440-47-3	
Manganese	271	mg/kg	0.50	6020	05/08/04 17:23	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 17:23	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 17:23	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 10:51	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 10:51	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 10:51	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 10:51	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 10:51	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 10:51	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.12 (continued)

Sample Tag: S08050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 10:51	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 10:51	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 10:51	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 10:51	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 10:51	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 10:51	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 10:51	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 10:51	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 10:51	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 10:51	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.12 (continued)

Sample Tag: S08050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	117-81-7	X
Fluoranthene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.12 (continued)

Sample Tag: S08050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	85-01-8	X
Phenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 04:54	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.13
Sample Tag: DUPE1050704
Collected Date/Time: 05/07/2004 :
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	90	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 17:27	PER	7440-36-0	
Barium	43.5	mg/kg	1.0	6020	05/08/04 17:27	PER	7440-39-3	
Cadmium	0.20	mg/kg	0.05	6020	05/08/04 17:27	PER	7440-43-9	
Copper	7.7	mg/kg	1.0	6020	05/08/04 17:27	PER	7440-50-8	
Lead	19.0	mg/kg	1.0	6020	05/08/04 17:27	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:36	JRT	7439-97-6	
Nickel	6.28	mg/kg	0.50	6020	05/08/04 17:27	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 17:27	PER	7440-22-4	
Vanadium	5.05	mg/kg	0.50	6020	05/08/04 17:27	PER	7440-62-2	
Zinc	26.9	mg/kg	1.0	6020	05/08/04 17:27	PER	7440-66-6	
Arsenic	3.58	mg/kg	0.10	6020	05/08/04 17:27	PER	7440-38-2	
Beryllium	0.154	mg/kg	0.100	6020	05/08/04 17:27	PER	7440-41-7	
Cobalt	2.41	mg/kg	0.50	6020	05/08/04 17:27	PER	7440-48-4	
Chromium	9.86	mg/kg	0.50	6020	05/08/04 17:27	PER	7440-47-3	
Manganese	320	mg/kg	0.50	6020	05/08/04 17:27	PER	7439-96-5	
Selenium	0.30	mg/kg	0.20	6020	05/08/04 17:27	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 17:27	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 11:25	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 11:25	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 11:25	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 11:25	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 11:25	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 11:25	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.13 (continued)

Sample Tag: DUPE1050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 11:25	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 11:25	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 11:25	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 11:25	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 11:25	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 11:25	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 11:25	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 11:25	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 11:25	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:25	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.13 (continued)

Sample Tag: DUPE1050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	117-81-7	X
Fluoranthene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17003.13 (continued)

Sample Tag: DUPE1050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	85-01-8	X
Phenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	600	8270C	05/09/04 04:12	ARH	88-06-2	X
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	83-32-9	I
Acenaphthylene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	208-96-8	I
Acetophenone	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	98-86-2	I
Anthracene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	120-12-7	I
Atrazine	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	1912-24-9	I
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	92-52-4	I
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	101-55-3	I
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	84-74-2	I
Benzaldehyde	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	100-52-7	I
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	56-55-3	I
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	50-32-8	I
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	205-99-2	I
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	191-24-2	I
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	85-68-7	I
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	91-58-7	I
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	95-57-8	I
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	59-50-7	I
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	106-47-8	I
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	7005-72-3	I
Caprolactam	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	105-60-2	I
Carbazole	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	86-74-8	I
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	111-91-1	I
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	111-44-4	I
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	108-60-1	I
Chrysene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	218-01-9	I
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	120-83-2	I
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	105-67-9	I
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	51-28-5	I
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	121-14-2	I
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	606-20-2	I
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	91-94-1	I
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	534-52-1	I
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	132-64-9	I
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	84-66-2	I
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	131-11-3	I
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	117-81-7	I
Fluoranthene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	206-44-0	I

X-Elevated reporting limit due to matrix interference

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S17003.13 (continued)

Sample Tag: DUPE1050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Fluorene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	86-73-7	I
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	118-74-1	I
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	87-68-3	I
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	77-47-4	I
Hexachloroethane	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	67-72-1	I
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	78-59-1	I
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	91-57-6	I
2-Methylphenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	95-48-7	I
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	108-39-4	I
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	88-74-4	I
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	88-75-5	I
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	99-09-2	I
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	100-01-6	I
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	100-02-7	I
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	621-64-7	I
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	86-30-6	I
Naphthalene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	91-20-3	I
Nitrobenzene	Not detected	ug/kg	200	8270C	05/10/04 01:08	ARH	98-95-3	I
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/10/04 01:08	ARH	87-86-5	I
Phenanthrene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	85-01-8	I
Phenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	108-95-2	I
Pyrene	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	129-00-0	I
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	95-95-4	I
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/10/04 01:08	ARH	88-06-2	I

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S17003.14
Sample Tag: S09050704 (0-2)
Collected Date/Time: 05/07/2004 09:55
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/07/04 22:04	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/07/04 18:30	MSH		

Inorganics

Total Solids	91	%	1	160.3	05/07/04 0:00	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 17:31	PER	7440-36-0	
Barium	51.8	mg/kg	1.0	6020	05/08/04 17:31	PER	7440-39-3	
Cadmium	0.22	mg/kg	0.05	6020	05/08/04 17:31	PER	7440-43-9	
Copper	10.9	mg/kg	1.0	6020	05/08/04 17:31	PER	7440-50-8	
Lead	27.8	mg/kg	1.0	6020	05/08/04 17:31	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:38	JRT	7439-97-6	
Nickel	5.88	mg/kg	0.50	6020	05/08/04 17:31	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 17:31	PER	7440-22-4	
Vanadium	4.74	mg/kg	0.50	6020	05/08/04 17:31	PER	7440-62-2	
Zinc	38.9	mg/kg	1.0	6020	05/08/04 17:31	PER	7440-66-6	
Arsenic	2.70	mg/kg	0.10	6020	05/08/04 17:31	PER	7440-38-2	
Beryllium	0.277	mg/kg	0.100	6020	05/08/04 17:31	PER	7440-41-7	
Cobalt	2.80	mg/kg	0.50	6020	05/08/04 17:31	PER	7440-48-4	
Chromium	8.20	mg/kg	0.50	6020	05/08/04 17:31	PER	7440-47-3	
Manganese	570	mg/kg	0.50	6020	05/08/04 17:31	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 17:31	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 17:31	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 11:59	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 11:59	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 11:59	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 11:59	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 11:59	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 11:59	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17003.14 (continued)

Sample Tag: S09050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 11:59	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 11:59	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 11:59	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 11:59	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 11:59	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 11:59	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 11:59	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 11:59	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 11:59	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 11:59	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	100-52-7	
Benzo(a)anthracene	410	ug/kg	330	8270C	05/09/04 01:26	ARH	56-55-3	
Benzo(a)pyrene	430	ug/kg	330	8270C	05/09/04 01:26	ARH	50-32-8	
Benzo(b)fluoranthene	670	ug/kg	330	8270C	05/09/04 01:26	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17003.14 (continued)

Sample Tag: S09050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	108-60-1	
Chrysene	420	ug/kg	330	8270C	05/09/04 01:26	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	117-81-7	
Fluoranthene	950	ug/kg	330	8270C	05/09/04 01:26	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 01:26	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 01:26	ARH	87-86-5	
Phenanthrene	500	ug/kg	330	8270C	05/09/04 01:26	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17003.14 (continued)

Sample Tag: S09050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	108-95-2	
Pyrene	810	ug/kg	330	8270C	05/09/04 01:26	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 01:26	ARH	88-06-2	



Analytical Laboratory Report

Report ID: S17016.01(01)

Generated on 05/10/2004

Report to

Attention: Mr. John McKenna

Blasland, Bouck & Lee, Inc.

1920 Opdyke Court Suite 200

Auburn Hills, MI 48326

Phone: 248-377-9162 x. 108 FAX: 248-377-9413

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S17016.01-S17016.19, S17016.21-S17016.25

Project: 64448 GM Flint East

Submitted Date/Time: 05/07/2004 19:16

Sampled by: Jim Kralik

P.O. #:

Report Notes

Results relate only to items tested.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S17016.01

Sample Tag: S09050704 (8-10)

Collected Date/Time: 05/07/2004 09:55

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	87	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:17	PER	7440-36-0	
Barium	10.4	mg/kg	1.0	6020	05/08/04 18:17	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	05/08/04 18:17	PER	7440-43-9	
Copper	1.6	mg/kg	1.0	6020	05/08/04 18:17	PER	7440-50-8	
Lead	2.6	mg/kg	1.0	6020	05/08/04 18:17	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:40	JRT	7439-97-6	
Nickel	1.41	mg/kg	0.50	6020	05/08/04 18:17	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:17	PER	7440-22-4	
Vanadium	1.99	mg/kg	0.50	6020	05/08/04 18:17	PER	7440-62-2	
Zinc	4.3	mg/kg	1.0	6020	05/08/04 18:17	PER	7440-66-6	
Arsenic	0.66	mg/kg	0.10	6020	05/08/04 18:17	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:17	PER	7440-41-7	
Cobalt	0.90	mg/kg	0.50	6020	05/08/04 18:17	PER	7440-48-4	
Chromium	1.95	mg/kg	0.50	6020	05/08/04 18:17	PER	7440-47-3	
Manganese	91.2	mg/kg	0.50	6020	05/08/04 18:17	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:17	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:17	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 18:57	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 18:57	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 18:57	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 18:57	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 18:57	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 18:57	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.01 (continued)

Sample Tag: S09050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 18:57	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 18:57	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 18:57	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 18:57	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 18:57	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 18:57	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 18:57	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 18:57	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 18:57	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 18:57	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.01 (continued)

Sample Tag: S09050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 02:08	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 02:08	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.01 (continued)

Sample Tag: S09050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:08	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.02
Sample Tag: S010 050704 (0-2)
Collected Date/Time: 05/07/2004 10:05
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	91	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:21	PER	7440-36-0	
Barium	33.9	mg/kg	1.0	6020	05/08/04 18:21	PER	7440-39-3	
Cadmium	0.42	mg/kg	0.05	6020	05/08/04 18:21	PER	7440-43-9	
Copper	10.0	mg/kg	1.0	6020	05/08/04 18:21	PER	7440-50-8	
Lead	45.9	mg/kg	1.0	6020	05/08/04 18:21	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:41	JRT	7439-97-6	
Nickel	5.24	mg/kg	0.50	6020	05/08/04 18:21	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:21	PER	7440-22-4	
Vanadium	4.57	mg/kg	0.50	6020	05/08/04 18:21	PER	7440-62-2	
Zinc	57.1	mg/kg	1.0	6020	05/08/04 18:21	PER	7440-66-6	
Arsenic	1.32	mg/kg	0.10	6020	05/08/04 18:21	PER	7440-38-2	
Beryllium	0.190	mg/kg	0.100	6020	05/08/04 18:21	PER	7440-41-7	
Cobalt	2.18	mg/kg	0.50	6020	05/08/04 18:21	PER	7440-48-4	
Chromium	9.35	mg/kg	0.50	6020	05/08/04 18:21	PER	7440-47-3	
Manganese	340	mg/kg	0.50	6020	05/08/04 18:21	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:21	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:21	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 20:05	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 20:05	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 20:05	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 20:05	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 20:05	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 20:05	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.02 (continued)

Sample Tag: S010 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 20:05	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 20:05	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 20:05	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 20:05	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 20:05	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 20:05	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 20:05	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 20:05	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 20:05	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:05	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	100-52-7	X
Benzo(a)anthracene	3,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	56-55-3	X
Benzo(a)pyrene	4,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.02 (continued)

Sample Tag: S010 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	6,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	191-24-2	X
Benzo(k)fluoranthene	2,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	108-60-1	X
Chrysene	3,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	117-81-7	X
Fluoranthene	9,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.02 (continued)

Sample Tag: S010 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	87-86-5	X
Phenanthrene	2,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	85-01-8	X
Phenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	108-95-2	X
Pyrene	8,000	ug/kg	2,000	8270C	05/09/04 07:40	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	2,000	8270C	05/09/04 07:40	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.03

Sample Tag: S010 050704 (8-10)

Collected Date/Time: 05/07/2004 10:10

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	95	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:25	PER	7440-36-0	
Barium	4.9	mg/kg	1.0	6020	05/08/04 18:25	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	05/08/04 18:25	PER	7440-43-9	
Copper	1.8	mg/kg	1.0	6020	05/08/04 18:25	PER	7440-50-8	
Lead	1.5	mg/kg	1.0	6020	05/08/04 18:25	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:43	JRT	7439-97-6	
Nickel	1.74	mg/kg	0.50	6020	05/08/04 18:25	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:25	PER	7440-22-4	
Vanadium	1.96	mg/kg	0.50	6020	05/08/04 18:25	PER	7440-62-2	
Zinc	4.8	mg/kg	1.0	6020	05/08/04 18:25	PER	7440-66-6	
Arsenic	1.71	mg/kg	0.10	6020	05/08/04 18:25	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:25	PER	7440-41-7	
Cobalt	1.05	mg/kg	0.50	6020	05/08/04 18:25	PER	7440-48-4	
Chromium	1.06	mg/kg	0.50	6020	05/08/04 18:25	PER	7440-47-3	
Manganese	115	mg/kg	0.50	6020	05/08/04 18:25	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:25	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:25	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 20:39	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 20:39	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 20:39	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 20:39	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 20:39	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 20:39	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.03 (continued)

Sample Tag: S010 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 20:39	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 20:39	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 20:39	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 20:39	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 20:39	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 20:39	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 20:39	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 20:39	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 20:39	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 20:39	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.03 (continued)

Sample Tag: S010 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 02:49	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 02:49	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.03 (continued)

Sample Tag: S010 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 02:49	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.04

Sample Tag: S010 050704 (7-8)

Collected Date/Time: 05/07/2004 10:10

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	95	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:28	PER	7440-36-0	
Barium	6.9	mg/kg	1.0	6020	05/08/04 18:28	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	05/08/04 18:28	PER	7440-43-9	
Copper	1.6	mg/kg	1.0	6020	05/08/04 18:28	PER	7440-50-8	
Lead	1.9	mg/kg	1.0	6020	05/08/04 18:28	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:45	JRT	7439-97-6	
Nickel	1.38	mg/kg	0.50	6020	05/08/04 18:28	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:28	PER	7440-22-4	
Vanadium	1.74	mg/kg	0.50	6020	05/08/04 18:28	PER	7440-62-2	
Zinc	4.3	mg/kg	1.0	6020	05/08/04 18:28	PER	7440-66-6	
Arsenic	0.92	mg/kg	0.10	6020	05/08/04 18:28	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:28	PER	7440-41-7	
Cobalt	1.04	mg/kg	0.50	6020	05/08/04 18:28	PER	7440-48-4	
Chromium	0.94	mg/kg	0.50	6020	05/08/04 18:28	PER	7440-47-3	
Manganese	72.3	mg/kg	0.50	6020	05/08/04 18:28	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:28	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:28	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 21:13	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 21:13	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 21:13	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 21:13	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 21:13	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 21:13	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.04 (continued)

Sample Tag: S010 050704 (7-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 21:13	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 21:13	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 21:13	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 21:13	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 21:13	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 21:13	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 21:13	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 21:13	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 21:13	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:13	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.04 (continued)

Sample Tag: S010 050704 (7-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 03:31	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 03:31	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.04 (continued)

Sample Tag: S010 050704 (7-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 03:31	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.05
Sample Tag: S010 050704 (10-11)
Collected Date/Time: 05/07/2004 10:15
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	84	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:31	PER	7440-36-0	
Barium	11.0	mg/kg	1.0	6020	05/08/04 18:31	PER	7440-39-3	
Cadmium	0.11	mg/kg	0.05	6020	05/08/04 18:31	PER	7440-43-9	
Copper	5.0	mg/kg	1.0	6020	05/08/04 18:31	PER	7440-50-8	
Lead	10.6	mg/kg	1.0	6020	05/08/04 18:31	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:47	JRT	7439-97-6	
Nickel	3.87	mg/kg	0.50	6020	05/08/04 18:31	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:31	PER	7440-22-4	
Vanadium	3.39	mg/kg	0.50	6020	05/08/04 18:31	PER	7440-62-2	
Zinc	17.1	mg/kg	1.0	6020	05/08/04 18:31	PER	7440-66-6	
Arsenic	1.96	mg/kg	0.10	6020	05/08/04 18:31	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:31	PER	7440-41-7	
Cobalt	1.63	mg/kg	0.50	6020	05/08/04 18:31	PER	7440-48-4	
Chromium	4.49	mg/kg	0.50	6020	05/08/04 18:31	PER	7440-47-3	
Manganese	178	mg/kg	0.50	6020	05/08/04 18:31	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:31	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:31	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 21:47	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 21:47	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 21:47	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 21:47	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 21:47	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 21:47	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.05 (continued)

Sample Tag: S010 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 21:47	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 21:47	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 21:47	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 21:47	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 21:47	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 21:47	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 21:47	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 21:47	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 21:47	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 21:47	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.05 (continued)

Sample Tag: S010 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	117-81-7	X
Fluoranthene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.05 (continued)

Sample Tag: S010 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	85-01-8	X
Phenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	108-95-2	X
Pyrene	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	1,000	8270C	05/09/04 05:35	ARH	88-06-2	X
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	83-32-9	XI
Acenaphthylene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	208-96-8	XI
Acetophenone	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	98-86-2	XI
Anthracene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	120-12-7	XI
Atrazine	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	1912-24-9	XI
1,1'-Biphenyl	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	92-52-4	XI
4-Bromophenyl phenyl ether	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	101-55-3	XI
di-n-Butyl phthalate	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	84-74-2	XI
Benzaldehyde	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	100-52-7	XI
Benzo(a)anthracene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	56-55-3	XI
Benzo(a)pyrene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	50-32-8	XI
Benzo(b)fluoranthene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	205-99-2	XI
Benzo(ghi)perylene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	191-24-2	XI
Benzo(k)fluoranthene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	207-08-9	XI
Butyl benzyl phthalate	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	85-68-7	XI
2-Chloronaphthalene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	91-58-7	XI
2-Chlorophenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	95-57-8	XI
4-Chloro-3-methylphenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	59-50-7	XI
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	106-47-8	XI
4-Chlorophenyl phenyl ether	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	7005-72-3	XI
Caprolactam	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	105-60-2	XI
Carbazole	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	86-74-8	XI
bis(2-Chloroethoxy)methane	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	111-91-1	XI
bis(2-Chloroethyl)ether	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	111-44-4	XI
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	108-60-1	XI
Chrysene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	218-01-9	XI
2,4-Dichlorophenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	120-83-2	XI
2,4-Dimethylphenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	105-67-9	XI
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	51-28-5	XI
2,4-Dinitrotoluene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	121-14-2	XI
2,6-Dinitrotoluene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	606-20-2	XI
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	91-94-1	XI
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	534-52-1	XI
Dibenzo(ah)anthracene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	53-70-3	XI
Dibenzofuran	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	132-64-9	XI
Diethyl phthalate	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	84-66-2	XI
Dimethyl phthalate	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	131-11-3	XI
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	117-81-7	XI
Fluoranthene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	206-44-0	XI

X-Elevated reporting limit due to matrix interference

I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S17016.05 (continued)

Sample Tag: S010 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Fluorene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	86-73-7	XI
Hexachlorobenzene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	118-74-1	XI
Hexachlorobutadiene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	87-68-3	XI
Hexachlorocyclopentadiene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	77-47-4	XI
Hexachloroethane	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	67-72-1	XI
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	193-39-5	XI
Isophorone	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	78-59-1	XI
2-Methylnaphthalene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	91-57-6	XI
2-Methylphenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	95-48-7	XI
3-, 4-Methylphenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	108-39-4	XI
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	88-74-4	XI
2-Nitrophenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	88-75-5	XI
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	99-09-2	XI
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	100-01-6	XI
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	100-02-7	XI
N-Nitrosodi-n-propylamine	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	621-64-7	XI
N-Nitrosodiphenylamine	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	86-30-6	XI
Naphthalene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	91-20-3	XI
Nitrobenzene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	98-95-3	XI
di-n-Octyl phthalate	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	117-84-0	XI
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/10/04 01:50	ARH	87-86-5	XI
Phenanthrene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	85-01-8	XI
Phenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	108-95-2	XI
Pyrene	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	129-00-0	XI
2,4,5-Trichlorophenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	95-95-4	XI
2,4,6-Trichlorophenol	Not detected	ug/kg	400	8270C	05/10/04 01:50	ARH	88-06-2	XI

X-Elevated reporting limit due to matrix interference I-Matrix interference with internal standard



Analytical Laboratory Report

Lab Sample ID: S17016.06
Sample Tag: S012 050704 (0-2)
Collected Date/Time: 05/07/2004 11:30
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 13:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	88	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:35	PER	7440-36-0	
Barium	40.7	mg/kg	1.0	6020	05/08/04 18:35	PER	7440-39-3	
Cadmium	0.36	mg/kg	0.05	6020	05/08/04 18:35	PER	7440-43-9	
Copper	10.9	mg/kg	1.0	6020	05/08/04 18:35	PER	7440-50-8	
Lead	64.3	mg/kg	1.0	6020	05/08/04 18:35	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:49	JRT	7439-97-6	
Nickel	5.19	mg/kg	0.50	6020	05/08/04 18:35	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:35	PER	7440-22-4	
Vanadium	5.28	mg/kg	0.50	6020	05/08/04 18:35	PER	7440-62-2	
Zinc	56.1	mg/kg	1.0	6020	05/08/04 18:35	PER	7440-66-6	
Arsenic	1.64	mg/kg	0.10	6020	05/08/04 18:35	PER	7440-38-2	
Beryllium	0.219	mg/kg	0.100	6020	05/08/04 18:35	PER	7440-41-7	
Cobalt	2.71	mg/kg	0.50	6020	05/08/04 18:35	PER	7440-48-4	
Chromium	10.7	mg/kg	0.50	6020	05/08/04 18:35	PER	7440-47-3	
Manganese	339	mg/kg	0.50	6020	05/08/04 18:35	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:35	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:35	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 22:21	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 22:21	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 22:21	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 22:21	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 22:21	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 22:21	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.06 (continued)

Sample Tag: S012 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 22:21	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 22:21	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 22:21	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 22:21	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 22:21	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 22:21	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 22:21	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 22:21	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 22:21	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:21	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	83-32-9	X
Acenaphthylene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	208-96-8	X
Acetophenone	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	98-86-2	X
Anthracene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	120-12-7	X
Atrazine	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	84-74-2	X
Benzaldehyde	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	100-52-7	X
Benzo(a)anthracene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	56-55-3	X
Benzo(a)pyrene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	50-32-8	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.06 (continued)

Sample Tag: S012 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(b)fluoranthene	1,300	ug/kg	900	8270C	05/09/04 06:17	ARH	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	106-47-8	X
4-Chlorophenyl phenyl ether	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	7005-72-3	X
Caprolactam	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	105-60-2	X
Carbazole	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	108-60-1	X
Chrysene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	91-94-1	X
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	534-52-1	X
Dibenzo(ah)anthracene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	53-70-3	X
Dibenzofuran	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	131-11-3	X
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	117-81-7	X
Fluoranthene	1,400	ug/kg	900	8270C	05/09/04 06:17	ARH	206-44-0	X
Fluorene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	77-47-4	X
Hexachloroethane	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	193-39-5	X
Isophorone	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	91-57-6	X
2-Methylphenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	108-39-4	X
2-Nitroaniline	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	88-74-4	X
2-Nitrophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	99-09-2	X
4-Nitroaniline	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	100-01-6	X
4-Nitrophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	100-02-7	X
N-Nitrosodi-n-propylamine	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	86-30-6	X
Naphthalene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	91-20-3	X
Nitrobenzene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	117-84-0	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.06 (continued)

Sample Tag: S012 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Pentachlorophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	87-86-5	X
Phenanthrene	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	85-01-8	X
Phenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	108-95-2	X
Pyrene	1,400	ug/kg	900	8270C	05/09/04 06:17	ARH	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	900	8270C	05/09/04 06:17	ARH	88-06-2	X

X-Elevated reporting limit due to matrix interference



Analytical Laboratory Report

Lab Sample ID: S17016.07

Sample Tag: S012 050704 (7-8)

Collected Date/Time: 05/07/2004 11:35

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	94	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:38	PER	7440-36-0	
Barium	7.8	mg/kg	1.0	6020	05/08/04 18:38	PER	7440-39-3	
Cadmium	0.06	mg/kg	0.05	6020	05/08/04 18:38	PER	7440-43-9	
Copper	1.7	mg/kg	1.0	6020	05/08/04 18:38	PER	7440-50-8	
Lead	2.2	mg/kg	1.0	6020	05/08/04 18:38	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 16:58	JRT	7439-97-6	
Nickel	2.12	mg/kg	0.50	6020	05/08/04 18:38	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:38	PER	7440-22-4	
Vanadium	2.36	mg/kg	0.50	6020	05/08/04 18:38	PER	7440-62-2	
Zinc	5.6	mg/kg	1.0	6020	05/08/04 18:38	PER	7440-66-6	
Arsenic	0.88	mg/kg	0.10	6020	05/08/04 18:38	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:38	PER	7440-41-7	
Cobalt	1.41	mg/kg	0.50	6020	05/08/04 18:38	PER	7440-48-4	
Chromium	1.30	mg/kg	0.50	6020	05/08/04 18:38	PER	7440-47-3	
Manganese	146	mg/kg	0.50	6020	05/08/04 18:38	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:38	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:38	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 22:55	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 22:55	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 22:55	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 22:55	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 22:55	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 22:55	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.07 (continued)

Sample Tag: S012 050704 (7-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 22:55	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 22:55	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 22:55	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 22:55	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 22:55	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 22:55	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 22:55	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 22:55	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 22:55	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 22:55	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.07 (continued)

Sample Tag: S012 050704 (7-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/08/04 22:40	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/08/04 22:40	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.07 (continued)

Sample Tag: S012 050704 (7-8)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/08/04 22:40	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.08
Sample Tag: S012 050704 (8-10)
Collected Date/Time: 05/07/2004 11:35
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	92	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:41	PER	7440-36-0	
Barium	7.8	mg/kg	1.0	6020	05/08/04 18:41	PER	7440-39-3	
Cadmium	0.05	mg/kg	0.05	6020	05/08/04 18:41	PER	7440-43-9	
Copper	1.8	mg/kg	1.0	6020	05/08/04 18:41	PER	7440-50-8	
Lead	2.3	mg/kg	1.0	6020	05/08/04 18:41	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:00	JRT	7439-97-6	
Nickel	2.29	mg/kg	0.50	6020	05/08/04 18:41	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:41	PER	7440-22-4	
Vanadium	2.36	mg/kg	0.50	6020	05/08/04 18:41	PER	7440-62-2	
Zinc	5.5	mg/kg	1.0	6020	05/08/04 18:41	PER	7440-66-6	
Arsenic	1.01	mg/kg	0.10	6020	05/08/04 18:41	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:41	PER	7440-41-7	
Cobalt	1.53	mg/kg	0.50	6020	05/08/04 18:41	PER	7440-48-4	
Chromium	1.29	mg/kg	0.50	6020	05/08/04 18:41	PER	7440-47-3	
Manganese	143	mg/kg	0.50	6020	05/08/04 18:41	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:41	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:41	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/08/04 23:29	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/08/04 23:29	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/08/04 23:29	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/08/04 23:29	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/08/04 23:29	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/08/04 23:29	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.08 (continued)

Sample Tag: S012 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/08/04 23:29	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/08/04 23:29	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/08/04 23:29	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/08/04 23:29	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/08/04 23:29	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/08/04 23:29	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/08/04 23:29	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/08/04 23:29	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/08/04 23:29	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/08/04 23:29	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.08 (continued)

Sample Tag: S012 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 09:40	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 09:40	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.08 (continued)

Sample Tag: S012 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 09:40	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.09

Sample Tag: S012 050704 (10-11)

Collected Date/Time: 05/07/2004 11:40

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	90	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:44	PER	7440-36-0	
Barium	7.5	mg/kg	1.0	6020	05/08/04 18:44	PER	7440-39-3	
Cadmium	0.05	mg/kg	0.05	6020	05/08/04 18:44	PER	7440-43-9	
Copper	1.8	mg/kg	1.0	6020	05/08/04 18:44	PER	7440-50-8	
Lead	2.4	mg/kg	1.0	6020	05/08/04 18:44	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:02	JRT	7439-97-6	
Nickel	2.05	mg/kg	0.50	6020	05/08/04 18:44	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:44	PER	7440-22-4	
Vanadium	2.24	mg/kg	0.50	6020	05/08/04 18:44	PER	7440-62-2	
Zinc	5.7	mg/kg	1.0	6020	05/08/04 18:44	PER	7440-66-6	
Arsenic	1.04	mg/kg	0.10	6020	05/08/04 18:44	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:44	PER	7440-41-7	
Cobalt	1.40	mg/kg	0.50	6020	05/08/04 18:44	PER	7440-48-4	
Chromium	1.72	mg/kg	0.50	6020	05/08/04 18:44	PER	7440-47-3	
Manganese	132	mg/kg	0.50	6020	05/08/04 18:44	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:44	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:44	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 00:04	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 00:04	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 00:04	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 00:04	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 00:04	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 00:04	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.09 (continued)

Sample Tag: S012 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 00:04	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 00:04	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 00:04	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 00:04	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 00:04	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 00:04	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 00:04	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 00:04	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 00:04	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:04	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.09 (continued)

Sample Tag: S012 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 10:21	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 10:21	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.09 (continued)

Sample Tag: S012 050704 (10-11)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 10:21	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.10
Sample Tag: DUPE2050704
Collected Date/Time: 05/07/2004 :
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	89	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 18:48	PER	7440-36-0	
Barium	10.7	mg/kg	1.0	6020	05/08/04 18:48	PER	7440-39-3	
Cadmium	0.08	mg/kg	0.05	6020	05/08/04 18:48	PER	7440-43-9	
Copper	2.6	mg/kg	1.0	6020	05/08/04 18:48	PER	7440-50-8	
Lead	5.6	mg/kg	1.0	6020	05/08/04 18:48	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:04	JRT	7439-97-6	
Nickel	2.60	mg/kg	0.50	6020	05/08/04 18:48	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 18:48	PER	7440-22-4	
Vanadium	2.77	mg/kg	0.50	6020	05/08/04 18:48	PER	7440-62-2	
Zinc	10.8	mg/kg	1.0	6020	05/08/04 18:48	PER	7440-66-6	
Arsenic	1.20	mg/kg	0.10	6020	05/08/04 18:48	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 18:48	PER	7440-41-7	
Cobalt	1.60	mg/kg	0.50	6020	05/08/04 18:48	PER	7440-48-4	
Chromium	2.01	mg/kg	0.50	6020	05/08/04 18:48	PER	7440-47-3	
Manganese	147	mg/kg	0.50	6020	05/08/04 18:48	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 18:48	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 18:48	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 00:38	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 00:38	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 00:38	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 00:38	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 00:38	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 00:38	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.10 (continued)

Sample Tag: DUPE2050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 00:38	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 00:38	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 00:38	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 00:38	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 00:38	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 00:38	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 00:38	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 00:38	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 00:38	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 00:38	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.10 (continued)

Sample Tag: DUPE2050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 11:03	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 11:03	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.10 (continued)

Sample Tag: DUPE2050704

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:03	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.11

Sample Tag: S015 050704 (0-2)

Collected Date/Time: 05/07/2004 13:40

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	89	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:19	PER	7440-36-0	
Barium	59.9	mg/kg	1.0	6020	05/08/04 19:19	PER	7440-39-3	
Cadmium	0.38	mg/kg	0.05	6020	05/08/04 19:19	PER	7440-43-9	
Copper	30.6	mg/kg	1.0	6020	05/08/04 19:19	PER	7440-50-8	
Lead	110	mg/kg	1.0	6020	05/08/04 19:19	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:06	JRT	7439-97-6	
Nickel	9.20	mg/kg	0.50	6020	05/08/04 19:19	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:19	PER	7440-22-4	
Vanadium	4.44	mg/kg	0.50	6020	05/08/04 19:19	PER	7440-62-2	
Zinc	81.5	mg/kg	1.0	6020	05/08/04 19:19	PER	7440-66-6	
Arsenic	1.90	mg/kg	0.10	6020	05/08/04 19:19	PER	7440-38-2	
Beryllium	0.190	mg/kg	0.100	6020	05/08/04 19:19	PER	7440-41-7	
Cobalt	2.85	mg/kg	0.50	6020	05/08/04 19:19	PER	7440-48-4	
Chromium	18.8	mg/kg	0.50	6020	05/08/04 19:19	PER	7440-47-3	
Manganese	308	mg/kg	0.50	6020	05/08/04 19:19	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:19	PER	7782-49-2	
Thallium	0.14	mg/kg	0.10	6020	05/08/04 19:19	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 01:12	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 01:12	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 01:12	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 01:12	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 01:12	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 01:12	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.11 (continued)

Sample Tag: S015 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 01:12	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 01:12	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 01:12	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 01:12	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 01:12	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 01:12	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 01:12	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 01:12	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 01:12	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:12	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	100-52-7	
Benzo(a)anthracene	360	ug/kg	330	8270C	05/09/04 20:02	ARH	56-55-3	
Benzo(a)pyrene	370	ug/kg	330	8270C	05/09/04 20:02	ARH	50-32-8	
Benzo(b)fluoranthene	570	ug/kg	330	8270C	05/09/04 20:02	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.11 (continued)

Sample Tag: S015 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	108-60-1	
Chrysene	360	ug/kg	330	8270C	05/09/04 20:02	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	117-81-7	
Fluoranthene	760	ug/kg	330	8270C	05/09/04 20:02	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 20:02	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 20:02	ARH	87-86-5	
Phenanthrene	600	ug/kg	330	8270C	05/09/04 20:02	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.11 (continued)

Sample Tag: S015 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	108-95-2	
Pyrene	720	ug/kg	330	8270C	05/09/04 20:02	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 20:02	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.12

Sample Tag: S015 050704 (5-7)

Collected Date/Time: 05/07/2004 13:45

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	92	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:23	PER	7440-36-0	
Barium	5.8	mg/kg	1.0	6020	05/08/04 19:23	PER	7440-39-3	
Cadmium	0.06	mg/kg	0.05	6020	05/08/04 19:23	PER	7440-43-9	
Copper	1.1	mg/kg	1.0	6020	05/08/04 19:23	PER	7440-50-8	
Lead	2.3	mg/kg	1.0	6020	05/08/04 19:23	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:07	JRT	7439-97-6	
Nickel	2.49	mg/kg	0.50	6020	05/08/04 19:23	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:23	PER	7440-22-4	
Vanadium	2.12	mg/kg	0.50	6020	05/08/04 19:23	PER	7440-62-2	
Zinc	4.1	mg/kg	1.0	6020	05/08/04 19:23	PER	7440-66-6	
Arsenic	0.84	mg/kg	0.10	6020	05/08/04 19:23	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 19:23	PER	7440-41-7	
Cobalt	1.49	mg/kg	0.50	6020	05/08/04 19:23	PER	7440-48-4	
Chromium	0.91	mg/kg	0.50	6020	05/08/04 19:23	PER	7440-47-3	
Manganese	132	mg/kg	0.50	6020	05/08/04 19:23	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:23	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:23	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 01:46	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 01:46	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 01:46	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 01:46	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 01:46	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 01:46	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.12 (continued)

Sample Tag: S015 050704 (5-7)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 01:46	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 01:46	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 01:46	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 01:46	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 01:46	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 01:46	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 01:46	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 01:46	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 01:46	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 01:46	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.12 (continued)

Sample Tag: S015 050704 (5-7)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 11:44	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 11:44	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.12 (continued)

Sample Tag: S015 050704 (5-7)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 11:44	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.13
Sample Tag: S015 050704 (8-10)
Collected Date/Time: 05/07/2004 13:45
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	91	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:26	PER	7440-36-0	
Barium	10.7	mg/kg	1.0	6020	05/08/04 19:26	PER	7440-39-3	
Cadmium	0.06	mg/kg	0.05	6020	05/08/04 19:26	PER	7440-43-9	
Copper	1.4	mg/kg	1.0	6020	05/08/04 19:26	PER	7440-50-8	
Lead	1.8	mg/kg	1.0	6020	05/08/04 19:26	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:15	JRT	7439-97-6	
Nickel	2.43	mg/kg	0.50	6020	05/08/04 19:26	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:26	PER	7440-22-4	
Vanadium	2.21	mg/kg	0.50	6020	05/08/04 19:26	PER	7440-62-2	
Zinc	4.9	mg/kg	1.0	6020	05/08/04 19:26	PER	7440-66-6	
Arsenic	1.24	mg/kg	0.10	6020	05/08/04 19:26	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 19:26	PER	7440-41-7	
Cobalt	1.46	mg/kg	0.50	6020	05/08/04 19:26	PER	7440-48-4	
Chromium	1.34	mg/kg	0.50	6020	05/08/04 19:26	PER	7440-47-3	
Manganese	177	mg/kg	0.50	6020	05/08/04 19:26	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:26	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:26	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 02:20	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 02:20	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 02:20	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 02:20	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 02:20	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 02:20	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.13 (continued)

Sample Tag: S015 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 02:20	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 02:20	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 02:20	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 02:20	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 02:20	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 02:20	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 02:20	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 02:20	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 02:20	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 02:20	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.13 (continued)

Sample Tag: S015 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 12:25	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 12:25	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.13 (continued)

Sample Tag: S015 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 12:25	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.14
Sample Tag: S015 050704 (10-12)
Collected Date/Time: 05/07/2004 13:50
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	87	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:29	PER	7440-36-0	
Barium	3.7	mg/kg	1.0	6020	05/08/04 19:29	PER	7440-39-3	
Cadmium	0.06	mg/kg	0.05	6020	05/08/04 19:29	PER	7440-43-9	
Copper	3.0	mg/kg	1.0	6020	05/08/04 19:29	PER	7440-50-8	
Lead	2.2	mg/kg	1.0	6020	05/08/04 19:29	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:17	JRT	7439-97-6	
Nickel	2.38	mg/kg	0.50	6020	05/08/04 19:29	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:29	PER	7440-22-4	
Vanadium	2.15	mg/kg	0.50	6020	05/08/04 19:29	PER	7440-62-2	
Zinc	11.4	mg/kg	1.0	6020	05/08/04 19:29	PER	7440-66-6	
Arsenic	1.32	mg/kg	0.10	6020	05/08/04 19:29	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 19:29	PER	7440-41-7	
Cobalt	1.00	mg/kg	0.50	6020	05/08/04 19:29	PER	7440-48-4	
Chromium	1.76	mg/kg	0.50	6020	05/08/04 19:29	PER	7440-47-3	
Manganese	98.0	mg/kg	0.50	6020	05/08/04 19:29	PER	7439-96-5	
Selenium	0.22	mg/kg	0.20	6020	05/08/04 19:29	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:29	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 04:36	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 04:36	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 04:36	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 04:36	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 04:36	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 04:36	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.14 (continued)

Sample Tag: S015 050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 04:36	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 04:36	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 04:36	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 04:36	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 04:36	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 04:36	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 04:36	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 04:36	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 04:36	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 04:36	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.14 (continued)

Sample Tag: S015 050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 18:39	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 18:39	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.14 (continued)

Sample Tag: S015 050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 18:39	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.15

Sample Tag: S014 050704 (0-2)

Collected Date/Time: 05/07/2004 14:05

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	90	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:32	PER	7440-36-0	
Barium	40.9	mg/kg	1.0	6020	05/08/04 19:32	PER	7440-39-3	
Cadmium	0.28	mg/kg	0.05	6020	05/08/04 19:32	PER	7440-43-9	
Copper	10.0	mg/kg	1.0	6020	05/08/04 19:32	PER	7440-50-8	
Lead	38.0	mg/kg	1.0	6020	05/08/04 19:32	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:18	JRT	7439-97-6	
Nickel	6.09	mg/kg	0.50	6020	05/08/04 19:32	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:32	PER	7440-22-4	
Vanadium	6.00	mg/kg	0.50	6020	05/08/04 19:32	PER	7440-62-2	
Zinc	43.2	mg/kg	1.0	6020	05/08/04 19:32	PER	7440-66-6	
Arsenic	2.05	mg/kg	0.10	6020	05/08/04 19:32	PER	7440-38-2	
Beryllium	0.306	mg/kg	0.100	6020	05/08/04 19:32	PER	7440-41-7	
Cobalt	2.89	mg/kg	0.50	6020	05/08/04 19:32	PER	7440-48-4	
Chromium	8.01	mg/kg	0.50	6020	05/08/04 19:32	PER	7440-47-3	
Manganese	281	mg/kg	0.50	6020	05/08/04 19:32	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:32	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:32	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 05:10	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 05:10	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 05:10	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 05:10	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 05:10	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 05:10	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.15 (continued)

Sample Tag: S014 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 05:10	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 05:10	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 05:10	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 05:10	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 05:10	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 05:10	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 05:10	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 05:10	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 05:10	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:10	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	100-52-7	
Benzo(a)anthracene	380	ug/kg	330	8270C	05/09/04 19:21	ARH	56-55-3	
Benzo(a)pyrene	450	ug/kg	330	8270C	05/09/04 19:21	ARH	50-32-8	
Benzo(b)fluoranthene	820	ug/kg	330	8270C	05/09/04 19:21	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.15 (continued)

Sample Tag: S014 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	108-60-1	
Chrysene	450	ug/kg	330	8270C	05/09/04 19:21	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	117-81-7	
Fluoranthene	890	ug/kg	330	8270C	05/09/04 19:21	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 19:21	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 19:21	ARH	87-86-5	
Phenanthrene	410	ug/kg	330	8270C	05/09/04 19:21	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.15 (continued)

Sample Tag: S014 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	108-95-2	
Pyrene	780	ug/kg	330	8270C	05/09/04 19:21	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 19:21	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.16
Sample Tag: S014 050704 (8-10)
Collected Date/Time: 05/07/2004 14:10
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	93	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:36	PER	7440-36-0	
Barium	3.8	mg/kg	1.0	6020	05/08/04 19:36	PER	7440-39-3	
Cadmium	0.07	mg/kg	0.05	6020	05/08/04 19:36	PER	7440-43-9	
Copper	1.0	mg/kg	1.0	6020	05/08/04 19:36	PER	7440-50-8	
Lead	1.9	mg/kg	1.0	6020	05/08/04 19:36	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:25	JRT	7439-97-6	
Nickel	2.07	mg/kg	0.50	6020	05/08/04 19:36	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:36	PER	7440-22-4	
Vanadium	1.52	mg/kg	0.50	6020	05/08/04 19:36	PER	7440-62-2	
Zinc	3.6	mg/kg	1.0	6020	05/08/04 19:36	PER	7440-66-6	
Arsenic	0.56	mg/kg	0.10	6020	05/08/04 19:36	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 19:36	PER	7440-41-7	
Cobalt	1.13	mg/kg	0.50	6020	05/08/04 19:36	PER	7440-48-4	
Chromium	1.19	mg/kg	0.50	6020	05/08/04 19:36	PER	7440-47-3	
Manganese	101	mg/kg	0.50	6020	05/08/04 19:36	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:36	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:36	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 05:44	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 05:44	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 05:44	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 05:44	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 05:44	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 05:44	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.16 (continued)

Sample Tag: S014 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 05:44	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 05:44	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 05:44	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 05:44	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 05:44	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 05:44	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 05:44	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 05:44	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 05:44	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 05:44	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.16 (continued)

Sample Tag: S014 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 13:07	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 13:07	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.16 (continued)

Sample Tag: S014 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:07	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.17

Sample Tag: S014 050704 (10-12)

Collected Date/Time: 05/07/2004 14:15

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	85	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:39	PER	7440-36-0	
Barium	4.4	mg/kg	1.0	6020	05/08/04 19:39	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	05/08/04 19:39	PER	7440-43-9	
Copper	1.5	mg/kg	1.0	6020	05/08/04 19:39	PER	7440-50-8	
Lead	1.8	mg/kg	1.0	6020	05/08/04 19:39	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:26	JRT	7439-97-6	
Nickel	1.54	mg/kg	0.50	6020	05/08/04 19:39	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:39	PER	7440-22-4	
Vanadium	2.02	mg/kg	0.50	6020	05/08/04 19:39	PER	7440-62-2	
Zinc	5.7	mg/kg	1.0	6020	05/08/04 19:39	PER	7440-66-6	
Arsenic	0.84	mg/kg	0.10	6020	05/08/04 19:39	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 19:39	PER	7440-41-7	
Cobalt	0.98	mg/kg	0.50	6020	05/08/04 19:39	PER	7440-48-4	
Chromium	0.96	mg/kg	0.50	6020	05/08/04 19:39	PER	7440-47-3	
Manganese	95.0	mg/kg	0.50	6020	05/08/04 19:39	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:39	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:39	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 06:18	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 06:18	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 06:18	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 06:18	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 06:18	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 06:18	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.17 (continued)

Sample Tag: S014 050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 06:18	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 06:18	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 06:18	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 06:18	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 06:18	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 06:18	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 06:18	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 06:18	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 06:18	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:18	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.17 (continued)

Sample Tag: S014 050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 13:48	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 13:48	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.17 (continued)

Sample Tag: S014 050704 (10-12)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 13:48	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.18
Sample Tag: S04 050704 (0-2)
Collected Date/Time: 05/07/2004 15:15
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	88	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:42	PER	7440-36-0	
Barium	35.1	mg/kg	1.0	6020	05/08/04 19:42	PER	7440-39-3	
Cadmium	0.10	mg/kg	0.05	6020	05/08/04 19:42	PER	7440-43-9	
Copper	3.1	mg/kg	1.0	6020	05/08/04 19:42	PER	7440-50-8	
Lead	6.2	mg/kg	1.0	6020	05/08/04 19:42	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:28	JRT	7439-97-6	
Nickel	8.06	mg/kg	0.50	6020	05/08/04 19:42	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:42	PER	7440-22-4	
Vanadium	6.86	mg/kg	0.50	6020	05/08/04 19:42	PER	7440-62-2	
Zinc	13.6	mg/kg	1.0	6020	05/08/04 19:42	PER	7440-66-6	
Arsenic	1.27	mg/kg	0.10	6020	05/08/04 19:42	PER	7440-38-2	
Beryllium	0.256	mg/kg	0.100	6020	05/08/04 19:42	PER	7440-41-7	
Cobalt	4.74	mg/kg	0.50	6020	05/08/04 19:42	PER	7440-48-4	
Chromium	3.91	mg/kg	0.50	6020	05/08/04 19:42	PER	7440-47-3	
Manganese	286	mg/kg	0.50	6020	05/08/04 19:42	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:42	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:42	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 06:52	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 06:52	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 06:52	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 06:52	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 06:52	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 06:52	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.18 (continued)

Sample Tag: S04 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 06:52	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 06:52	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 06:52	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 06:52	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 06:52	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 06:52	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 06:52	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 06:52	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 06:52	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 06:52	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.18 (continued)

Sample Tag: S04 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 14:30	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 14:30	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.18 (continued)

Sample Tag: S04 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 14:30	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.19

Sample Tag: S04 050704 (8-10)

Collected Date/Time: 05/07/2004 15:20

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
2	4 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	88	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:45	PER	7440-36-0	
Barium	16.0	mg/kg	1.0	6020	05/08/04 19:45	PER	7440-39-3	
Cadmium	0.07	mg/kg	0.05	6020	05/08/04 19:45	PER	7440-43-9	
Copper	1.0	mg/kg	1.0	6020	05/08/04 19:45	PER	7440-50-8	
Lead	3.6	mg/kg	1.0	6020	05/08/04 19:45	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:30	JRT	7439-97-6	
Nickel	1.89	mg/kg	0.50	6020	05/08/04 19:45	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:45	PER	7440-22-4	
Vanadium	2.39	mg/kg	0.50	6020	05/08/04 19:45	PER	7440-62-2	
Zinc	3.2	mg/kg	1.0	6020	05/08/04 19:45	PER	7440-66-6	
Arsenic	0.52	mg/kg	0.10	6020	05/08/04 19:45	PER	7440-38-2	
Beryllium	0.124	mg/kg	0.100	6020	05/08/04 19:45	PER	7440-41-7	
Cobalt	1.83	mg/kg	0.50	6020	05/08/04 19:45	PER	7440-48-4	
Chromium	1.69	mg/kg	0.50	6020	05/08/04 19:45	PER	7440-47-3	
Manganese	157	mg/kg	0.50	6020	05/08/04 19:45	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:45	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:45	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 07:26	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 07:26	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 07:26	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 07:26	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 07:26	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 07:26	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.19 (continued)

Sample Tag: S04 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 07:26	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 07:26	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 07:26	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 07:26	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 07:26	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 07:26	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 07:26	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 07:26	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 07:26	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 07:26	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.19 (continued)

Sample Tag: S04 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 15:11	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 15:11	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.19 (continued)

Sample Tag: S04 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:11	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.21
Sample Tag: S03 050704 (0-2)
Collected Date/Time: 05/07/2004 15:30
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 13:00	PER		

Inorganics

Total Solids	91	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 19:49	PER	7440-36-0	
Barium	30.3	mg/kg	1.0	6020	05/08/04 19:49	PER	7440-39-3	
Cadmium	0.12	mg/kg	0.05	6020	05/08/04 19:49	PER	7440-43-9	
Copper	1.4	mg/kg	1.0	6020	05/08/04 19:49	PER	7440-50-8	
Lead	5.7	mg/kg	1.0	6020	05/08/04 19:49	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:32	JRT	7439-97-6	
Nickel	0.93	mg/kg	0.50	6020	05/08/04 19:49	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 19:49	PER	7440-22-4	
Vanadium	2.41	mg/kg	0.50	6020	05/08/04 19:49	PER	7440-62-2	
Zinc	4.2	mg/kg	1.0	6020	05/08/04 19:49	PER	7440-66-6	
Arsenic	0.66	mg/kg	0.10	6020	05/08/04 19:49	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 19:49	PER	7440-41-7	
Cobalt	1.51	mg/kg	0.50	6020	05/08/04 19:49	PER	7440-48-4	
Chromium	1.40	mg/kg	0.50	6020	05/08/04 19:49	PER	7440-47-3	
Manganese	550	mg/kg	0.50	6020	05/08/04 19:49	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 19:49	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 19:49	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 08:00	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 08:00	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 08:00	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 08:00	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 08:00	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 08:00	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.21 (continued)

Sample Tag: S03 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 08:00	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 08:00	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 08:00	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 08:00	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 08:00	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 08:00	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 08:00	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 08:00	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 08:00	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:00	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.21 (continued)

Sample Tag: S03 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 15:53	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 15:53	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.21 (continued)

Sample Tag: S03 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 15:53	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.22
Sample Tag: S03 050704 (8-10)
Collected Date/Time: 05/07/2004 15:55
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 14:00	PER		

Inorganics

Total Solids	92	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 20:18	PER	7440-36-0	
Barium	3.9	mg/kg	1.0	6020	05/08/04 20:18	PER	7440-39-3	
Cadmium	Not detected	mg/kg	0.05	6020	05/08/04 20:18	PER	7440-43-9	
Copper	1.2	mg/kg	1.0	6020	05/08/04 20:18	PER	7440-50-8	
Lead	1.3	mg/kg	1.0	6020	05/08/04 20:18	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:34	JRT	7439-97-6	
Nickel	1.55	mg/kg	0.50	6020	05/08/04 20:18	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 20:18	PER	7440-22-4	
Vanadium	1.37	mg/kg	0.50	6020	05/08/04 20:18	PER	7440-62-2	
Zinc	4.1	mg/kg	1.0	6020	05/08/04 20:18	PER	7440-66-6	
Arsenic	0.86	mg/kg	0.10	6020	05/08/04 20:18	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 20:18	PER	7440-41-7	
Cobalt	0.72	mg/kg	0.50	6020	05/08/04 20:18	PER	7440-48-4	
Chromium	0.87	mg/kg	0.50	6020	05/08/04 20:18	PER	7440-47-3	
Manganese	91.9	mg/kg	0.50	6020	05/08/04 20:18	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 20:18	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 20:18	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 08:34	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 08:34	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 08:34	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 08:34	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 08:34	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 08:34	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.22 (continued)

Sample Tag: S03 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 08:34	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 08:34	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 08:34	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 08:34	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 08:34	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 08:34	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 08:34	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 08:34	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 08:34	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 08:34	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.22 (continued)

Sample Tag: S03 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 16:34	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 16:34	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.22 (continued)

Sample Tag: S03 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 16:34	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.23
Sample Tag: S017 050704 (0-2)
Collected Date/Time: 05/07/2004 16:40
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 14:00	PER		

Inorganics

Total Solids	90	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 20:21	PER	7440-36-0	
Barium	27.2	mg/kg	1.0	6020	05/08/04 20:21	PER	7440-39-3	
Cadmium	0.12	mg/kg	0.05	6020	05/08/04 20:21	PER	7440-43-9	
Copper	3.4	mg/kg	1.0	6020	05/08/04 20:21	PER	7440-50-8	
Lead	21.2	mg/kg	1.0	6020	05/08/04 20:21	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:36	JRT	7439-97-6	
Nickel	3.23	mg/kg	0.50	6020	05/08/04 20:21	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 20:21	PER	7440-22-4	
Vanadium	4.36	mg/kg	0.50	6020	05/08/04 20:21	PER	7440-62-2	
Zinc	11.1	mg/kg	1.0	6020	05/08/04 20:21	PER	7440-66-6	
Arsenic	1.21	mg/kg	0.10	6020	05/08/04 20:21	PER	7440-38-2	
Beryllium	0.166	mg/kg	0.100	6020	05/08/04 20:21	PER	7440-41-7	
Cobalt	2.44	mg/kg	0.50	6020	05/08/04 20:21	PER	7440-48-4	
Chromium	4.89	mg/kg	0.50	6020	05/08/04 20:21	PER	7440-47-3	
Manganese	162	mg/kg	0.50	6020	05/08/04 20:21	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 20:21	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 20:21	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 09:08	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 09:08	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 09:08	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 09:08	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 09:08	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 09:08	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.23 (continued)

Sample Tag: S017 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 09:08	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 09:08	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 09:08	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 09:08	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 09:08	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 09:08	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 09:08	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 09:08	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 09:08	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:08	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.23 (continued)

Sample Tag: S017 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 17:16	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 17:16	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.23 (continued)

Sample Tag: S017 050704 (0-2)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:16	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.24
Sample Tag: S017 050704 (8-10)
Collected Date/Time: 05/07/2004 16:43
Matrix: Soil
COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 14:00	PER		

Inorganics

Total Solids	91	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 20:25	PER	7440-36-0	
Barium	9.1	mg/kg	1.0	6020	05/08/04 20:25	PER	7440-39-3	
Cadmium	0.07	mg/kg	0.05	6020	05/08/04 20:25	PER	7440-43-9	
Copper	1.5	mg/kg	1.0	6020	05/08/04 20:25	PER	7440-50-8	
Lead	2.5	mg/kg	1.0	6020	05/08/04 20:25	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:37	JRT	7439-97-6	
Nickel	1.63	mg/kg	0.50	6020	05/08/04 20:25	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 20:25	PER	7440-22-4	
Vanadium	2.01	mg/kg	0.50	6020	05/08/04 20:25	PER	7440-62-2	
Zinc	4.5	mg/kg	1.0	6020	05/08/04 20:25	PER	7440-66-6	
Arsenic	0.79	mg/kg	0.10	6020	05/08/04 20:25	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 20:25	PER	7440-41-7	
Cobalt	1.19	mg/kg	0.50	6020	05/08/04 20:25	PER	7440-48-4	
Chromium	1.28	mg/kg	0.50	6020	05/08/04 20:25	PER	7440-47-3	
Manganese	114	mg/kg	0.50	6020	05/08/04 20:25	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 20:25	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 20:25	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 09:42	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 09:42	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 09:42	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 09:42	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 09:42	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 09:42	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.24 (continued)

Sample Tag: S017 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 09:42	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 09:42	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 09:42	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 09:42	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 09:42	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 09:42	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 09:42	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 09:42	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 09:42	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 09:42	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.24 (continued)

Sample Tag: S017 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 17:57	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 17:57	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.24 (continued)

Sample Tag: S017 050704 (8-10)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 17:57	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S17016.25

Sample Tag: S017 050704 (11-13)

Collected Date/Time: 05/07/2004 16:46

Matrix: Soil

COC Reference: BBL

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	EnCore	None	Yes	NA	NA
1	8 oz. glass	None	Yes	NA	NA

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3550B	05/08/04 14:36	SD		
Mercury Digestion	Completed			7471A	05/08/04 14:30	JRT		
Metal Digestion	Completed			3050B	05/08/04 14:00	PER		

Inorganics

Total Solids	87	%	1	160.3	05/08/04 11:36	JSP		

Metals

Antimony	Not detected	mg/kg	0.50	6020	05/08/04 20:29	PER	7440-36-0	
Barium	10.0	mg/kg	1.0	6020	05/08/04 20:29	PER	7440-39-3	
Cadmium	0.06	mg/kg	0.05	6020	05/08/04 20:29	PER	7440-43-9	
Copper	1.6	mg/kg	1.0	6020	05/08/04 20:29	PER	7440-50-8	
Lead	2.7	mg/kg	1.0	6020	05/08/04 20:29	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.10	7471	05/08/04 17:39	JRT	7439-97-6	
Nickel	1.59	mg/kg	0.50	6020	05/08/04 20:29	PER	7440-02-0	
Silver	Not detected	mg/kg	0.20	6020	05/08/04 20:29	PER	7440-22-4	
Vanadium	2.09	mg/kg	0.50	6020	05/08/04 20:29	PER	7440-62-2	
Zinc	5.3	mg/kg	1.0	6020	05/08/04 20:29	PER	7440-66-6	
Arsenic	0.80	mg/kg	0.10	6020	05/08/04 20:29	PER	7440-38-2	
Beryllium	Not detected	mg/kg	0.100	6020	05/08/04 20:29	PER	7440-41-7	
Cobalt	1.15	mg/kg	0.50	6020	05/08/04 20:29	PER	7440-48-4	
Chromium	1.31	mg/kg	0.50	6020	05/08/04 20:29	PER	7440-47-3	
Manganese	111	mg/kg	0.50	6020	05/08/04 20:29	PER	7439-96-5	
Selenium	Not detected	mg/kg	0.20	6020	05/08/04 20:29	PER	7782-49-2	
Thallium	Not detected	mg/kg	0.10	6020	05/08/04 20:29	PER	7440-28-0	

Organics

TCL Volatile Organics 5035/8260

Acetone	Not detected	ug/kg	800	5035/8260B	05/09/04 10:16	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/kg	800	5035/8260B	05/09/04 10:16	JGH	78-93-3	
Benzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	75-27-4	
Bromoform	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	75-25-2	
Bromomethane	Not detected	ug/kg	300	5035/8260B	05/09/04 10:16	JGH	74-83-9	
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	05/09/04 10:16	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	56-23-5	
Chlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	108-90-7	
Chloroethane	Not detected	ug/kg	300	5035/8260B	05/09/04 10:16	JGH	75-00-3	
Chloroform	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	67-66-3	
Chloromethane	Not detected	ug/kg	300	5035/8260B	05/09/04 10:16	JGH	74-87-3	
Cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	75-34-3	



Analytical Laboratory Report

Lab Sample ID: S17016.25 (continued)

Sample Tag: S017 050704 (11-13)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Volatile Organics 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	100-41-4	
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	05/09/04 10:16	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	98-82-8	
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	05/09/04 10:16	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	05/09/04 10:16	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	05/09/04 10:16	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	108-87-2	
Methylene chloride	Not detected	ug/kg	300	5035/8260B	05/09/04 10:16	JGH	75-09-2	
Styrene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	05/09/04 10:16	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	05/09/04 10:16	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	127-18-4	
Toluene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	108-88-3	
Trichloroethene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	05/09/04 10:16	JGH	75-69-4	
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	05/09/04 10:16	JGH	75-01-4	
o-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	95-47-6	
p,m-Xylene	Not detected	ug/kg	50	5035/8260B	05/09/04 10:16	JGH	106-42-3	
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	205-99-2	



Analytical Laboratory Report

Lab Sample ID: S17016.25 (continued)

Sample Tag: S017 050704 (11-13)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	108-39-4	
2-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	05/09/04 23:46	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/kg	700	8270C	05/09/04 23:46	ARH	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	85-01-8	



Analytical Laboratory Report

Lab Sample ID: S17016.25 (continued)

Sample Tag: S017 050704 (11-13)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	05/09/04 23:46	ARH	88-06-2	



Analytical Laboratory Report

Report ID: S33169.01(01)

Generated on 08/23/2007

Report to

Attention: John McKenna

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8594 FAX: 810-229-8837

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S33169.01-S33169.04

Project: 64448 Flint East Flint, MI

Collected Date: 08/09/2007 - 08/10/2007

Submitted Date/Time: 08/10/2007 16:00

Sampled by: Wayne Patterson

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

""Not detected"" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (4 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S33169.01	TW-6 (080907)	Water	08/09/2007 15:00
S33169.02	TW-7 (080907)	Water	08/09/2007 09:40
S33169.03	TW-8 (080907)	Water	08/09/2007 10:45
S33169.04	Trip Blank (081007)	Water	08/10/2007



Analytical Laboratory Report

Lab Sample ID: S33169.01
Sample Tag: TW-6 (080907)
Collected Date/Time: 08/09/2007 15:00
Matrix: Water
COC Reference: 5327

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.3	IR
2	40ml Glass	HCL	Yes	4.3	IR
1	125ml Plastic	HNO3	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	08/14/07 21:31	EMR		
Extraction, PCB	Completed			3510C	08/13/07 10:35	TAS		
Mercury Digestion	Completed			7470A	08/13/07 11:30	JRT		
Metal Digestion	Completed			3015A	08/17/07 12:00	SLS		

Metals

Aluminum	0.986	mg/L	0.005	200.8	08/17/07 15:56	SLS	7429-90-5	
Antimony	Not detected	mg/L	0.002	200.8	08/17/07 15:56	SLS	7440-36-0	
Arsenic	0.002	mg/L	0.001	200.8	08/17/07 15:56	SLS	7440-38-2	
Barium	0.104	mg/L	0.005	200.8	08/17/07 15:56	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	200.8	08/20/07 12:15	SLS	7440-41-7	
Cadmium	0.0096	mg/L	0.0005	200.8	08/17/07 15:56	SLS	7440-43-9	
Calcium	197	mg/L	0.20	200.8	08/20/07 13:41	PER	7440-70-2	
Chromium	0.077	mg/L	0.005	200.8	08/17/07 15:56	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	200.8	08/17/07 15:56	SLS	7440-48-4	
Copper	0.024	mg/L	0.001	200.8	08/17/07 15:56	SLS	7440-50-8	
Iron	14.3	mg/L	0.02	200.8	08/20/07 12:15	SLS	7439-89-6	
Lead	0.004	mg/L	0.003	200.8	08/17/07 15:56	SLS	7439-92-1	
Magnesium	93.6	mg/L	0.20	200.8	08/20/07 13:41	PER	7439-95-4	
Manganese	0.436	mg/L	0.005	200.8	08/17/07 15:56	SLS	7439-96-5	
Mercury	Not detected	mg/L	0.0002	245.1	08/13/07 15:21	JRT	7439-97-6	
Nickel	0.026	mg/L	0.005	200.8	08/17/07 15:56	SLS	7440-02-0	
Potassium	7.88	mg/L	0.20	200.8	08/20/07 13:41	PER	7440-09-7	
Selenium	Not detected	mg/L	0.005	200.8	08/17/07 15:56	SLS	7782-49-2	
Silver	0.0003	mg/L	0.0002	200.8	08/17/07 15:56	SLS	7440-22-4	
Sodium	119	mg/L	0.20	200.8	08/20/07 13:41	PER	7440-23-5	
Thallium	Not detected	mg/L	0.001	200.8	08/17/07 15:56	SLS	7440-28-0	
Vanadium	0.005	mg/L	0.004	200.8	08/17/07 15:56	SLS	7440-62-2	
Zinc	0.097	mg/L	0.005	200.8	08/17/07 15:56	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB

PCB-1016	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	12674-11-2	L
PCB-1221	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	11104-28-2	L
PCB-1232	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	11141-16-5	L
PCB-1242	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	53469-21-9	L
PCB-1248	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	12672-29-6	L
PCB-1254	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	11097-69-1	L
PCB-1260	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	11096-82-5	L
PCB, Total	Not detected	ug/L	0.2	608	08/13/07 18:54	JANB	1336-36-3	L

L-Elevated reporting limit due to low sample amount



Analytical Laboratory Report

Lab Sample ID: S33169.01 (continued)

Sample Tag: TW-6 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/16/07 18:39	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	08/16/07 18:39	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	08/16/07 18:39	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/16/07 18:39	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	108-39-4	



Analytical Laboratory Report

Lab Sample ID: S33169.01 (continued)

Sample Tag: TW-6 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/16/07 18:39	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/16/07 18:39	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/16/07 18:39	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	20	ug/L	20	8260B	08/16/07 18:15	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/16/07 18:15	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	08/16/07 18:15	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	08/16/07 18:15	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	08/16/07 18:15	JGH	591-78-6	



Analytical Laboratory Report

Lab Sample ID: S33169.01 (continued)

Sample Tag: TW-6 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	08/16/07 18:15	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/16/07 18:15	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/16/07 18:15	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/16/07 18:15	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	08/16/07 18:15	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/16/07 18:15	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/16/07 18:15	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	08/16/07 18:15	JGH		



Analytical Laboratory Report

Lab Sample ID: S33169.02
Sample Tag: TW-7 (080907)
Collected Date/Time: 08/09/2007 09:40
Matrix: Water
COC Reference: 5327

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	1L Amber	None	Yes	4.3	IR
2	40ml Glass	HCL	Yes	4.3	IR
1	125ml Plastic	HNO3	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	08/14/07 21:31	EMR		
Extraction, PCB	Completed			3510C	08/13/07 10:35	TAS		
Mercury Digestion	Completed			7470A	08/13/07 11:30	JRT		
Metal Digestion	Completed			3015A	08/17/07 12:00	SLS		

Metals

Aluminum	0.026	mg/L	0.005	200.8	08/17/07 16:00	SLS	7429-90-5	
Antimony	Not detected	mg/L	0.002	200.8	08/17/07 16:00	SLS	7440-36-0	
Arsenic	Not detected	mg/L	0.001	200.8	08/17/07 16:00	SLS	7440-38-2	
Barium	0.019	mg/L	0.005	200.8	08/17/07 16:00	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	200.8	08/20/07 12:18	SLS	7440-41-7	
Cadmium	Not detected	mg/L	0.0005	200.8	08/17/07 16:00	SLS	7440-43-9	
Calcium	43.4	mg/L	0.20	200.8	08/20/07 13:43	PER	7440-70-2	
Chromium	Not detected	mg/L	0.005	200.8	08/17/07 16:00	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	200.8	08/17/07 16:00	SLS	7440-48-4	
Copper	0.001	mg/L	0.001	200.8	08/17/07 16:00	SLS	7440-50-8	
Iron	0.15	mg/L	0.02	200.8	08/20/07 12:18	SLS	7439-89-6	
Lead	Not detected	mg/L	0.003	200.8	08/17/07 16:00	SLS	7439-92-1	
Magnesium	12.5	mg/L	0.20	200.8	08/20/07 13:43	PER	7439-95-4	
Manganese	0.027	mg/L	0.005	200.8	08/17/07 16:00	SLS	7439-96-5	
Mercury	Not detected	mg/L	0.0002	245.1	08/13/07 15:23	JRT	7439-97-6	
Nickel	Not detected	mg/L	0.005	200.8	08/17/07 16:00	SLS	7440-02-0	
Potassium	0.93	mg/L	0.20	200.8	08/20/07 13:43	PER	7440-09-7	
Selenium	Not detected	mg/L	0.005	200.8	08/17/07 16:00	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	200.8	08/17/07 16:00	SLS	7440-22-4	
Sodium	2.81	mg/L	0.20	200.8	08/20/07 13:43	PER	7440-23-5	
Thallium	Not detected	mg/L	0.001	200.8	08/17/07 16:00	SLS	7440-28-0	
Vanadium	Not detected	mg/L	0.004	200.8	08/17/07 16:00	SLS	7440-62-2	
Zinc	0.018	mg/L	0.005	200.8	08/17/07 16:00	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB

PCB-1016	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	08/13/07 19:04	JANB	1336-36-3	



Analytical Laboratory Report

Lab Sample ID: S33169.02 (continued)

Sample Tag: TW-7 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/16/07 19:13	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	08/16/07 19:13	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	08/16/07 19:13	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/16/07 19:13	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	108-39-4	



Analytical Laboratory Report

Lab Sample ID: S33169.02 (continued)

Sample Tag: TW-7 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/16/07 19:13	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/16/07 19:13	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/16/07 19:13	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	08/16/07 18:33	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/16/07 18:33	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	08/16/07 18:33	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	08/16/07 18:33	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	08/16/07 18:33	JGH	591-78-6	



Analytical Laboratory Report

Lab Sample ID: S33169.02 (continued)

Sample Tag: TW-7 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	08/16/07 18:33	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/16/07 18:33	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/16/07 18:33	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/16/07 18:33	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	08/16/07 18:33	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/16/07 18:33	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/16/07 18:33	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	08/16/07 18:33	JGH		



Analytical Laboratory Report

Lab Sample ID: S33169.03
Sample Tag: TW-8 (080907)
Collected Date/Time: 08/09/2007 10:45
Matrix: Water
COC Reference: 5327

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	1L Amber	None	Yes	4.3	IR
2	40ml Glass	HCL	Yes	4.3	IR
1	125ml Plastic	HNO3	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	08/14/07 21:31	EMR		
Extraction, PCB	Completed			3510C	08/13/07 10:35	TAS		
Mercury Digestion	Completed			7470A	08/13/07 11:30	JRT		
Metal Digestion	Completed			3015A	08/17/07 12:00	SLS		

Metals

Aluminum	Not detected	mg/L	0.005	200.8	08/17/07 16:04	SLS	7429-90-5	
Antimony	Not detected	mg/L	0.002	200.8	08/17/07 16:04	SLS	7440-36-0	
Arsenic	0.017	mg/L	0.001	200.8	08/17/07 16:04	SLS	7440-38-2	
Barium	0.073	mg/L	0.005	200.8	08/17/07 16:04	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	200.8	08/20/07 12:20	SLS	7440-41-7	
Cadmium	Not detected	mg/L	0.0005	200.8	08/17/07 16:04	SLS	7440-43-9	
Calcium	77.9	mg/L	0.20	200.8	08/20/07 13:44	PER	7440-70-2	
Chromium	Not detected	mg/L	0.005	200.8	08/17/07 16:04	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	200.8	08/17/07 16:04	SLS	7440-48-4	
Copper	Not detected	mg/L	0.001	200.8	08/17/07 16:04	SLS	7440-50-8	
Iron	1.51	mg/L	0.02	200.8	08/20/07 12:20	SLS	7439-89-6	
Lead	Not detected	mg/L	0.003	200.8	08/17/07 16:04	SLS	7439-92-1	
Magnesium	21.2	mg/L	0.20	200.8	08/20/07 13:44	PER	7439-95-4	
Manganese	0.182	mg/L	0.005	200.8	08/17/07 16:04	SLS	7439-96-5	
Mercury	Not detected	mg/L	0.0002	245.1	08/13/07 15:25	JRT	7439-97-6	
Nickel	Not detected	mg/L	0.005	200.8	08/17/07 16:04	SLS	7440-02-0	
Potassium	0.66	mg/L	0.20	200.8	08/20/07 13:44	PER	7440-09-7	
Selenium	Not detected	mg/L	0.005	200.8	08/17/07 16:04	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	200.8	08/17/07 16:04	SLS	7440-22-4	
Sodium	7.98	mg/L	0.20	200.8	08/20/07 13:44	PER	7440-23-5	
Thallium	Not detected	mg/L	0.001	200.8	08/17/07 16:04	SLS	7440-28-0	
Vanadium	Not detected	mg/L	0.004	200.8	08/17/07 16:04	SLS	7440-62-2	
Zinc	Not detected	mg/L	0.005	200.8	08/17/07 16:04	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB

PCB-1016	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	08/13/07 19:15	JANB	1336-36-3	



Analytical Laboratory Report

Lab Sample ID: S33169.03 (continued)

Sample Tag: TW-8 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/16/07 19:46	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	08/16/07 19:46	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	08/16/07 19:46	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/16/07 19:46	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	108-39-4	



Analytical Laboratory Report

Lab Sample ID: S33169.03 (continued)

Sample Tag: TW-8 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/16/07 19:46	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/16/07 19:46	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/16/07 19:46	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	08/16/07 18:51	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/16/07 18:51	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	08/16/07 18:51	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	08/16/07 18:51	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	08/16/07 18:51	JGH	591-78-6	



Analytical Laboratory Report

Lab Sample ID: S33169.03 (continued)

Sample Tag: TW-8 (080907)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	08/16/07 18:51	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/16/07 18:51	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/16/07 18:51	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/16/07 18:51	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	08/16/07 18:51	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/16/07 18:51	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/16/07 18:51	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	08/16/07 18:51	JGH		



Analytical Laboratory Report

Lab Sample ID: S33169.04
Sample Tag: Trip Blank (081007)
Collected Date/Time: 08/10/2007 :
Matrix: Water
COC Reference: 5327

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.3	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Organics - Volatiles

TCL Volatile Organics 8260

Acetone	Not detected	ug/L	20	8260B	08/16/07 19:09	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/16/07 19:09	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	08/16/07 19:09	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	08/16/07 19:09	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	08/16/07 19:09	JGH	591-78-6	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	08/16/07 19:09	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/16/07 19:09	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/16/07 19:09	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/16/07 19:09	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	08/16/07 19:09	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/16/07 19:09	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/16/07 19:09	JGH	120-82-1	



Analytical Laboratory Report

Lab Sample ID: S33169.04 (continued)

Sample Tag: Trip Blank (081007)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Tetrachloroethene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	08/16/07 19:09	JGH		

Send Results to:	Contact & Company Name:	Telephone:	Preservative							Keys Preservation Key: A. H ₂ SO ₄ B. HCL C. HNO ₃ D. NaOH E. None F. Other: G. Other: H. Other: Matrix Key: SO - Soil W - Water T - Tissue SE - Sediment SL - Sludge A - Air Container Information Key: 1. 40 ml Vial 2. 1 L Amber 3. 250 ml Plastic 4. 500 ml Plastic 5. Encore 6. 2 oz Glass 7. 4 oz Glass 8. 8 oz Glass 9. Other: 10. Other: NL - NAPL/Oil SW - Sample Wipe Other:									
	Address:	Fax:	# of Containers																
	City	State	Zip	e-mail address:	PARAMETER ANALYSIS & METHOD														
	Project Name/Location (City/State):				Project #:														
Sampler's Printed Name:				Sampler's Signature:				TEC VOCs		TEC SVOCs		TAL Metals		PCBs		# Containers			
Sample ID				Collection		Type (✓)		Matrix											
				Date	Time	Comp	Grab												
01 TW-6 (080807)				8/8/07	1500		✓	W	X	X	X	X		5	← Low - Volume				
02 TW-7 (080807)				↓	0940		✓	W	↓	↓	↓	↓		7					
03 TW-8 (080807)				↓	1045		✓	W	↓	↓	↓	↓		7					
04 Trip Blank (080907)				8/9/07	-		✓	W	X					1					
Special Instructions/Comments:																			
☐ Special QA/QC Instructions (✓):																			
Laboratory Information and Receipt				Relinquished By				Received By				Relinquished By				Laboratory Received By			
Lab Name: Merit				Cooler Custody Seal (✓):				Printed Name: Wayne Patterson				Printed Name: Andy Ball				Printed Name: Barbara Richardson			
☐ Cooler packed with ice (✓)				☐ Intact ☐ Not Intact				Signature: Wayne Patterson				Signature: Andrew Ball				Signature: Barbara Richardson			
Specify Turnaround Requirements:				Sample Receipt:				Firm: Arcadis BBL				Firm/Courier: Merit				Firm: Merit			
Shipping Tracking #:				Condition/Cooler Temp: 4.3				Date/Time: 8/9/07				Date/Time: 8/10/07 1307				Date/Time: 8-10-07 16:00			



Analytical Laboratory Report

Report ID: S34328.01(01)

Generated on 11/16/2007

Report to

Attention: Wayne Patterson

Arcadis BBL

10559 Citation Drive

Suite 100

Brighton, MI 48116

Phone: 810-229-8594 FAX: 810-229-8837

Email: wayne.patterson@arcadis-us

Report produced by

Merit Laboratories

2680 East Lansing Drive

East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S34328.01-S34328.03

Project: 64448 Flint East/Burton, MI

Collected Date: 11/07/2007

Submitted Date/Time: 11/08/2007 15:25

Sampled by: Paul Seabough

P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak

Laboratory Director



Analytical Laboratory Report

Sample Summary (3 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S34328.01	TW-6 (110707)	Water	11/07/2007 10:50
S34328.02	TW-7 (110707)	Water	11/07/2007 11:52
S34328.03	TW-8 (110707)	Water	11/07/2007 13:25



Analytical Laboratory Report

Lab Sample ID: S34328.01
Sample Tag: TW-6 (110707)
Collected Date/Time: 11/07/2007 10:50
Matrix: Water
COC Reference: 5318

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	1L Amber	None	Yes	4.7	IR
2	40ml Glass	HCL	Yes	4.7	IR
1	125ml Plastic	HNO3	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	11/13/07 23:35	EMR		
Extraction, PCB	Completed			3510C	11/08/07 18:00	CEM		
Mercury Digestion	Completed			7470A	11/12/07 10:00	JRT		
Metal Digestion	Completed			3015A	11/09/07 12:00	SLS		

Metals

Aluminum	0.030	mg/L	0.005	6020	11/09/07 12:52	SLS	7429-90-5	
Antimony	Not detected	mg/L	0.002	6020	11/09/07 12:52	SLS	7440-36-0	
Arsenic	0.006	mg/L	0.001	6020	11/09/07 12:52	SLS	7440-38-2	
Barium	0.070	mg/L	0.005	6020	11/09/07 12:52	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	6020	11/09/07 12:52	SLS	7440-41-7	
Cadmium	Not detected	mg/L	0.0005	6020	11/09/07 12:52	SLS	7440-43-9	
Calcium	198	mg/L	0.20	6020	11/12/07 16:37	PER	7440-70-2	
Chromium	0.008	mg/L	0.005	6020	11/09/07 12:52	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	6020	11/09/07 12:52	SLS	7440-48-4	
Copper	0.004	mg/L	0.001	6020	11/09/07 12:52	SLS	7440-50-8	
Iron	4.19	mg/L	0.02	6020	11/09/07 12:52	SLS	7439-89-6	
Lead	Not detected	mg/L	0.003	6020	11/09/07 12:52	SLS	7439-92-1	
Magnesium	71.3	mg/L	0.20	6020	11/12/07 16:37	PER	7439-95-4	
Manganese	0.460	mg/L	0.005	6020	11/09/07 12:52	SLS	7439-96-5	
Mercury	Not detected	mg/L	0.0002	245.1M	11/12/07 14:32	JRT	7439-97-6	
Nickel	0.012	mg/L	0.005	6020	11/09/07 12:52	SLS	7440-02-0	
Potassium	5.08	mg/L	0.20	6020	11/12/07 16:37	PER	7440-09-7	
Selenium	Not detected	mg/L	0.005	6020	11/09/07 12:52	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	6020	11/09/07 12:52	SLS	7440-22-4	
Sodium	146	mg/L	0.20	6020	11/12/07 16:37	PER	7440-23-5	
Thallium	Not detected	mg/L	0.001	6020	11/09/07 12:52	SLS	7440-28-0	
Vanadium	0.005	mg/L	0.004	6020	11/09/07 12:52	SLS	7440-62-2	
Zinc	0.029	mg/L	0.005	6020	11/09/07 12:52	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB

PCB-1016	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	11/09/07 18:21	JANB	1336-36-3	



Analytical Laboratory Report

Lab Sample ID: S34328.01 (continued)

Sample Tag: TW-6 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	11/15/07 18:21	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	11/15/07 18:21	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	11/15/07 18:21	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	11/15/07 18:21	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	108-39-4	



Analytical Laboratory Report

Lab Sample ID: S34328.01 (continued)

Sample Tag: TW-6 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	11/15/07 18:21	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	11/15/07 18:21	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	11/15/07 18:21	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	11/13/07 16:47	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	11/13/07 16:47	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	11/13/07 16:47	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	11/13/07 16:47	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	11/13/07 16:47	JGH	591-78-6	



Analytical Laboratory Report

Lab Sample ID: S34328.01 (continued)

Sample Tag: TW-6 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	11/13/07 16:47	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	11/13/07 16:47	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/13/07 16:47	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	11/13/07 16:47	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	11/13/07 16:47	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	11/13/07 16:47	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	11/13/07 16:47	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	11/13/07 16:47	JGH		



Analytical Laboratory Report

Lab Sample ID: S34328.02
Sample Tag: TW-7 (110707)
Collected Date/Time: 11/07/2007 11:52
Matrix: Water
COC Reference: 5318

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	1L Amber	None	Yes	4.7	IR
2	40ml Glass	HCL	Yes	4.7	IR
1	125ml Plastic	HNO3	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	11/13/07 23:35	EMR		
Extraction, PCB	Completed			3510C	11/08/07 18:00	CEM		
Mercury Digestion	Completed			7470A	11/12/07 10:00	JRT		
Metal Digestion	Completed			3015A	11/09/07 12:00	SLS		

Metals

Aluminum	0.007	mg/L	0.005	6020	11/09/07 12:56	SLS	7429-90-5	
Antimony	Not detected	mg/L	0.002	6020	11/09/07 12:56	SLS	7440-36-0	
Arsenic	Not detected	mg/L	0.001	6020	11/09/07 12:56	SLS	7440-38-2	
Barium	0.016	mg/L	0.005	6020	11/09/07 12:56	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	6020	11/09/07 12:56	SLS	7440-41-7	
Cadmium	Not detected	mg/L	0.0005	6020	11/09/07 12:56	SLS	7440-43-9	
Calcium	43.3	mg/L	0.20	6020	11/12/07 16:38	PER	7440-70-2	
Chromium	Not detected	mg/L	0.005	6020	11/09/07 12:56	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	6020	11/09/07 12:56	SLS	7440-48-4	
Copper	Not detected	mg/L	0.001	6020	11/09/07 12:56	SLS	7440-50-8	
Iron	0.19	mg/L	0.02	6020	11/09/07 12:56	SLS	7439-89-6	
Lead	Not detected	mg/L	0.003	6020	11/09/07 12:56	SLS	7439-92-1	
Magnesium	12.8	mg/L	0.20	6020	11/12/07 16:38	PER	7439-95-4	
Manganese	0.005	mg/L	0.005	6020	11/09/07 12:56	SLS	7439-96-5	
Mercury	Not detected	mg/L	0.0002	245.1M	11/12/07 14:34	JRT	7439-97-6	
Nickel	Not detected	mg/L	0.005	6020	11/09/07 12:56	SLS	7440-02-0	
Potassium	0.80	mg/L	0.20	6020	11/12/07 16:38	PER	7440-09-7	
Selenium	Not detected	mg/L	0.005	6020	11/09/07 12:56	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	6020	11/09/07 12:56	SLS	7440-22-4	
Sodium	2.94	mg/L	0.20	6020	11/12/07 16:38	PER	7440-23-5	
Thallium	Not detected	mg/L	0.001	6020	11/09/07 12:56	SLS	7440-28-0	
Vanadium	Not detected	mg/L	0.004	6020	11/09/07 12:56	SLS	7440-62-2	
Zinc	0.008	mg/L	0.005	6020	11/09/07 12:56	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB

PCB-1016	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	11/15/07 13:33	JANB	1336-36-3	



Analytical Laboratory Report

Lab Sample ID: S34328.02 (continued)

Sample Tag: TW-7 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	11/15/07 18:54	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	11/15/07 18:54	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	11/15/07 18:54	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	11/15/07 18:54	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	108-39-4	



Analytical Laboratory Report

Lab Sample ID: S34328.02 (continued)

Sample Tag: TW-7 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	11/15/07 18:54	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	11/15/07 18:54	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	11/15/07 18:54	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	11/13/07 17:05	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	11/13/07 17:05	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	11/13/07 17:05	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	11/13/07 17:05	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	11/13/07 17:05	JGH	591-78-6	



Analytical Laboratory Report

Lab Sample ID: S34328.02 (continued)

Sample Tag: TW-7 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	11/13/07 17:05	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	11/13/07 17:05	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/13/07 17:05	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	11/13/07 17:05	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	11/13/07 17:05	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	11/13/07 17:05	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	11/13/07 17:05	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	11/13/07 17:05	JGH		



Analytical Laboratory Report

Lab Sample ID: S34328.03
Sample Tag: TW-8 (110707)
Collected Date/Time: 11/07/2007 13:25
Matrix: Water
COC Reference: 5318

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	1L Amber	None	Yes	4.7	IR
2	40ml Glass	HCL	Yes	4.7	IR
1	125ml Plastic	HNO3	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags

Extraction / Prep.

BNA Extraction	Completed			3510C	11/13/07 23:35	EMR		
Extraction, PCB	Completed			3510C	11/13/07 19:32	TAS		
Mercury Digestion	Completed			7470A	11/12/07 10:00	JRT		
Metal Digestion	Completed			3015A	11/09/07 12:00	SLS		

Metals

Aluminum	0.015	mg/L	0.005	6020	11/09/07 12:59	SLS	7429-90-5	
Antimony	Not detected	mg/L	0.002	6020	11/09/07 12:59	SLS	7440-36-0	
Arsenic	0.016	mg/L	0.001	6020	11/09/07 12:59	SLS	7440-38-2	
Barium	0.075	mg/L	0.005	6020	11/09/07 12:59	SLS	7440-39-3	
Beryllium	Not detected	mg/L	0.001	6020	11/09/07 12:59	SLS	7440-41-7	
Cadmium	Not detected	mg/L	0.0005	6020	11/09/07 12:59	SLS	7440-43-9	
Calcium	70.9	mg/L	0.20	6020	11/12/07 16:40	PER	7440-70-2	
Chromium	Not detected	mg/L	0.005	6020	11/09/07 12:59	SLS	7440-47-3	
Cobalt	Not detected	mg/L	0.005	6020	11/09/07 12:59	SLS	7440-48-4	
Copper	Not detected	mg/L	0.001	6020	11/09/07 12:59	SLS	7440-50-8	
Iron	1.51	mg/L	0.02	6020	11/09/07 12:59	SLS	7439-89-6	
Lead	Not detected	mg/L	0.003	6020	11/09/07 12:59	SLS	7439-92-1	
Magnesium	19.8	mg/L	0.20	6020	11/12/07 16:40	PER	7439-95-4	
Manganese	0.161	mg/L	0.005	6020	11/09/07 12:59	SLS	7439-96-5	
Mercury	Not detected	mg/L	0.0002	245.1M	11/12/07 14:36	JRT	7439-97-6	
Nickel	Not detected	mg/L	0.005	6020	11/09/07 12:59	SLS	7440-02-0	
Potassium	0.73	mg/L	0.20	6020	11/12/07 16:40	PER	7440-09-7	
Selenium	Not detected	mg/L	0.005	6020	11/09/07 12:59	SLS	7782-49-2	
Silver	Not detected	mg/L	0.0002	6020	11/09/07 12:59	SLS	7440-22-4	
Sodium	8.35	mg/L	0.20	6020	11/12/07 16:40	PER	7440-23-5	
Thallium	Not detected	mg/L	0.001	6020	11/09/07 12:59	SLS	7440-28-0	
Vanadium	Not detected	mg/L	0.004	6020	11/09/07 12:59	SLS	7440-62-2	
Zinc	0.076	mg/L	0.005	6020	11/09/07 12:59	SLS	7440-66-6	

Organics - PCBs/Pesticides

PCB

PCB-1016	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	11/14/07 15:55	JANB	1336-36-3	



Analytical Laboratory Report

Lab Sample ID: S34328.03 (continued)

Sample Tag: TW-8 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	11/15/07 19:28	ARH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	11/15/07 19:28	ARH	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	11/15/07 19:28	ARH	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	108-60-1	
Chrysene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	11/15/07 19:28	ARH	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	108-39-4	



Analytical Laboratory Report

Lab Sample ID: S34328.03 (continued)

Sample Tag: TW-8 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	11/15/07 19:28	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	85-01-8	
Phenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	11/15/07 19:28	ARH	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	11/15/07 19:28	ARH	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
Acetone	Not detected	ug/L	20	8260B	11/13/07 17:24	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	11/13/07 17:24	JGH	78-93-3	
Benzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-25-2	
Bromomethane	Not detected	ug/L	2	8260B	11/13/07 17:24	JGH	74-83-9	
Carbon disulfide	Not detected	ug/L	5	8260B	11/13/07 17:24	JGH	75-15-0	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	108-90-7	
Chloroethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	67-66-3	
Chloromethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	74-87-3	
Cyclohexane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	110-82-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-34-3	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-35-4	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	106-93-4	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	95-50-1	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	107-06-2	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	78-87-5	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	106-46-7	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	156-59-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	10061-01-5	
Dibromochloromethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	124-48-1	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-71-8	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	156-60-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	100-41-4	
2-Hexanone	Not detected	ug/L	50	8260B	11/13/07 17:24	JGH	591-78-6	



Analytical Laboratory Report

Lab Sample ID: S34328.03 (continued)

Sample Tag: TW-8 (110707)

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	98-82-8	
Methyl Acetate	Not detected	ug/L	10	8260B	11/13/07 17:24	JGH	79-20-9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	11/13/07 17:24	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/13/07 17:24	JGH	1634-04-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	11/13/07 17:24	JGH	108-87-2	
Methylene chloride	Not detected	ug/L	5	8260B	11/13/07 17:24	JGH	75-09-2	
Styrene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	100-42-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	71-55-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	79-34-5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	11/13/07 17:24	JGH	76-13-1	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	79-00-5	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	11/13/07 17:24	JGH	120-82-1	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	108-88-3	
Trichloroethene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	79-01-6	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-69-4	
Vinyl chloride	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	1	8260B	11/13/07 17:24	JGH		

ARCADIS

Appendix E

Habitat Assessment (Prepared by
Exponent)

Habitat Assessment for General Motors 56-Acre Undeveloped Property, Burton, Michigan

A habitat assessment was conducted in July 2007, on behalf of the General Motors Corporation (GM), for an undeveloped 56-acre property located in Burton, Genesee County, Michigan (the Site or Burton 56 Property). The Site is located immediately east of property that once was a portion of the Delphi Energy & Engine Management Systems, Plant 7, in Burton, Michigan, at the intersection of Davison Road and Genesee Road. The property immediately east of the Site is now owned by Porrett Investment, and is currently operated as a warehousing facility. The remainder of Delphi Energy & Engine Management Systems Plant 7, to the east, currently remains an active manufacturing facility. The Site and property to the east were historically associated with the Delphi Energy and Engine Management Systems Flint East Facility, Plant 600/700 (MID 980 568 745) (the Delphi Facility). The Delphi Facility was owned by GM until 1999, when Delphi Automotive Systems, LLC (Delphi) was divested from GM. Delphi owns and operates the Delphi Facility, while GM retained the adjacent undeveloped 56-acre property, which is the subject of this revised Site Investigation Report and habitat assessment. Figure 1 (appended) shows the location of the Site. GM sold approximately 144 acres of undeveloped land adjacent to the Site to a third-party developer during the fall of 2004. No development has occurred to date, and the land remains idle and inactive. Exponent conducted a habitat assessment, including a Site visit, to support decisions regarding potential ecological exposure issues at the Site. This report provides the results of the habitat assessment.

Objectives and Approach

The habitat assessment was conducted as a preliminary step toward assessing ecological risk from potential exposure to hazardous constituents at the Site. The habitat assessment and future ecological risk assessment (ERA), if necessary, will support risk management decisions that will be used in determining appropriate future reuse of the property. The objectives of this work were to conduct a Site visit to develop and complete a habitat assessment matrix, and to provide information for a screening-level problem formulation, which will be the first phase of an ERA at the Site, if needed. An Exponent ecologist conducted the Site visit on July 31, 2007, accompanied by two representatives from ARCADIS BBL. The Site visit focused on evaluating habitat, identifying potential ecological receptors, and identifying areas potentially influenced by Site-related constituents where complete exposure pathways to ecological receptors may exist. The Site visit was documented with photographs and field notes. Existing reports, maps, data, and photographs were also reviewed and interpreted to document Site activities (or lack thereof) in areas that may provide habitat for potential ecological receptors. In addition, state and federal natural resource agencies were contacted to request a database search for the presence of special-status (e.g., threatened or endangered) species on or near the Site.

Site Description and History

The Site is a rectangle-shaped parcel bordered by Davison Road and commercial property to the north, Genesee Road to the east, the Grand Trunk railroad line to the south, and a Consumer's Power right-of-way to the west (Figure 1). The Site is located in a highly urbanized area of commercial, industrial, and residential development. The Site is relatively flat and contains vegetation that includes grasses and forbs, dense scrub/shrub, and mature forested floodplain. A former automobile test track covered in broken asphalt is located in the north central portion of the property.

According to the Site Investigation Report (ARCADIS BBL 2008), approximately 37 acres in the southwest corner of the Site were used as a permitted landfill in the 1970s for disposal of construction debris, miscellaneous solid waste, and foundry sand from the GM Buick Motor Division facility in Flint, Michigan. GM has not used the remaining 19 acres of the Site since it was acquired in the early 1960s, with the exception of the installation of the asphalt-covered test track. Historical and recent investigations at the Site, including soil and groundwater sampling, are summarized in the Site Investigation Report (ARCADIS BBL 2008).



Photo 1. Former automobile test track

Terrestrial Habitat/Uplands

The Site consists of approximately 56 undeveloped acres, with several terrestrial habitat types. Land cover on the Site can be seen in the aerial photo depicted in Figure 2 (appended). The major land cover types present at the Site are described below.

Early Successional Shrub/Forest

This habitat type contains small aspens and cottonwoods (*Populus* spp.), maples (*Acer* spp.), and willows (*Salix* spp.) and is found at the Site along the edges of previously mowed fields and along the fence lines. Various songbirds, invertebrates, red-tailed hawk (*Buteo jamaicensis*), white-tailed deer (*Odocoileus virginianus*), raccoon (*Procyon lotor*), red fox (*Vulpes vulpes fulva*), and small mammals such as mice (*Peromyscus* spp.), shrews (various species), and voles (*Microtus* spp.) are examples of organisms that might use this habitat type. For bird species, the small saplings may provide nesting locations, materials to build nests, resting areas, and cover. For both small and larger mammals, this area may provide cover, food, and breeding habitat.



Photo 2. Early successional shrub/forest habitat type

Open Field/Disturbed

This habitat type contains grasses, forbs, and small saplings (*Populus* spp.) and is found at the former landfill area. This area is currently not mowed and is mostly undisturbed. Prior disturbance was associated with filling activities from the former use of this area as a landfill. Various songbirds, red-tailed hawk, white-tailed deer, raccoon, red fox, woodchuck (*Marmota monax*), and small mammals are examples of the species that might frequent this habitat type. For bird species, the open grassland area may provide foraging, nesting locations, materials to build nests, and cover from predators. For both small and larger mammals, this area may provide cover, foraging, breeding grounds, and protection. White-tailed deer bedding areas were observed in the old field habitat during the Site visit.



Photo 3. Open field/disturbed habitat type

Mature Deciduous Floodplain Forest

This habitat type was located on both sides of Gilkey Creek in the southwest portion of the Site. This area shows evidence of seasonal flooding. The floodplain forest contains mature trees such as box elder (*Acer negundo*), red maple (*Acer rubrum*), silver maple (*Acer saccharinum*), oak (*Quercus* spp.), and ash (*Fraxinus* spp.); small shrubs including sumac (*Rhus* spp.), dogwood (*Cornus* spp.), and buckthorn (*Rhamnus cathartica*); and groundcover such as grape vine (*Vitis* spp.), poison ivy (*Toxicodendron radicans*), jewelweed (*Impatiens capensis*), and various ferns. Songbirds, woodpeckers, red-tailed hawk, white-tailed deer, raccoon, red fox, opossum (*Didelphis virginiana*), Eastern gray squirrel (*Sciurus carolinensis*), various amphibians, reptiles, invertebrates, and small mammals are examples of the species that might occupy or frequent this habitat type for breeding, cover, foraging, and protection. For bird species, the forest area may provide foraging, nesting locations, materials to build nests, and cover from predators. At the time of the Site visit, a red-tailed hawk was observed displaying defensive behavior near its nest in the forested floodplain.



Photo 4. Mature deciduous floodplain forest

Gilkey Creek

Gilkey Creek runs along the southern and southwest boundaries of the Site (Figure 1). Groundwater flow in the southwestern portion of the Site is toward this creek (ARCADIS BBL 2008). The Genesee County Drain Commission identifies Gilkey Creek as County Drain project #0017, operated by the Genesee County Surface Water Management Division. This drainage flows northwest through the cities of Burton and Flint, where it joins the Flint River above Hamilton Dam. Gilkey Creek has two main tributaries—Robinson Drain and North Branch—that flow into the Main Branch. The Gilkey Creek Watershed, which is about 16 square miles and contains 19 miles of streams and four lakes, is a highly urbanized sub-watershed of the Flint River watershed (University of Michigan–Flint, Center for Applied Environmental Research, 2007).

Gilkey Creek through the Site is a small creek with wetland plant species such as cattail (*Typha* spp.), joe-pye weed (*Eupatorium maculatum*), and arrowhead (*Sagittaria latifolia*), and riparian forest along the waters edge and banks. Flow in the creek was very low at the time of the Site visit. It is not known whether fish are present in this reach. Great Blue heron (*Ardea herodias*), belted kingfisher (*Megaceryle alcyon*), red-tailed hawk, white-tailed deer, raccoon, red fox, opossum, Eastern gray squirrel, various amphibians, reptiles, invertebrates, and small mammals are examples of the species that might use this aquatic habitat for foraging, protection, and breeding. Raccoon and deer footprints were noted along the banks of the creek at the time of the Site visit, and a belted kingfisher was also observed flying over the stream corridor.



Photo 5. Gilkey Creek



Photo 6. Raccoon footprints along Gilkey Creek

Wetlands

The Michigan Department of Information Technology Center for Geographic Information maintains wetland inventory maps for the State of Michigan. These maps include the following information:

- The National Wetland Inventory (NWI), conducted by the U.S. Fish and Wildlife Service
- Land cover, as mapped by the Michigan Department of Natural Resources' Michigan Resource Inventory System (MIRIS) through interpretation of aerial photographs
- Soils, as mapped by the U.S. Department of Agriculture, Natural Resource Conservation Service.

The Genesee County Final Wetland Inventory and the NWI wetlands maps are provided in Attachment A. According to these maps, both wetlands (as identified on the NWI and MIRIS maps), and soil areas that include wetland soils are found on the Site. The NWI map identifies freshwater emergent wetlands as occurring in the southwestern portion of the Site, in the vicinity of Gilkey Creek. According to the Michigan Center for Geographic Information (CGI), areas shown on the map as wetlands, wetland soils, or open water are potential wetlands. The CGI recommends that areas identified as such may warrant further site investigation to determine whether wetlands are actually present.

Based on observations made during the Site visit, there are small areas of cattails and other emergent vegetation along Gilkey Creek that likely meet the wetlands criteria. The forested floodplain along the creek in the southern part of the Site also shows evidence of periodic inundation and may meet the criteria for wetlands classification.



Photo 7. Cattail wetland along Gilkey Creek

Special-Concern Species

Exponent contacted the Michigan Natural Features Inventory (MNFI) and the U.S. Fish and Wildlife Service (FWS) in East Lansing to request information on the presence or absence of special-status (e.g., threatened or endangered) species on or near the Site. A copy of the correspondence with these agencies is provided in Attachment B.

The Michigan Natural Features Inventory identified one special-concern plant species, twinleaf (*Jeffersonia diphylla*), and one endangered bird species, the peregrine falcon (*Falco peregrinus*), as having been observed at locations within the Flint North quadrangle. Twinleaf is a medium-sized forb found in rich woodlands and floodplains (MNFI 2007). Twinleaf's last documented occurrence was in the late 1880s, within Township 8N, Range 6E, Section 36. Because this plant has not been documented in Genesee County for more than 100 years, its occurrence on the Site is unlikely. The peregrine falcon was last observed in 2004 within Township 7N, Range 6E, Section 12. Peregrine falcons are generally tolerant of human activity and normally nest on cliffs or man-made structures (MNFI 2007). There is no suitable nesting habitat for peregrine falcons on the Site.

The FWS response (provided in Attachment B) states that listed species or potential habitat will not be affected, and there is no need for further action on this project as required by the agency under the Endangered Species Act of 1973.

Habitat Assessment Matrix

An ecological pathways decision matrix was developed to screen Site habitat characteristics, thereby to evaluate potential exposure pathways for ecological receptors. This matrix was used to determine which habitat areas might require further assessment in an ERA, and which pathways would need to be assessed. Under the matrix approach, the following conditions must be met for an area to be considered habitat and for that area to be carried forward for evaluation in an ERA:

- For surface water bodies:
 - There is a likelihood of a hazardous constituent release to the water body (as documented or inferred from prior investigations)
 - The water body is of sufficient size and hydroperiod for there to be a reasonable likelihood of use by potential ecological receptors
 - The water body is sufficiently accessible for there to be a realistic likelihood that potential ecological receptors would use it
 - The water body will continue to support habitat into the foreseeable future.

- For terrestrial habitats:
 - There is a likelihood of a hazardous constituent release to the area (as documented or inferred from prior investigations)
 - The area is of sufficient size for there to be a realistic likelihood of use by potential ecological receptors
 - The area is sufficiently accessible for there to be a reasonable likelihood of use by potential ecological receptors
 - The current and likely future use of the area does not fall into one of the three “developed” habitat categories (i.e., developed areas [buildings, etc.], paved or graveled areas, or landscaped and intensively maintained areas).

Table 1 presents the results of this decision matrix for the Site. Level 1 screens for Site and habitat characteristics that must be present to proceed with an ERA. Level 2 determines which pathways should be considered in an ERA. Information from the Site Investigation Report (ARCADIS BBL 2008) indicates that hazardous constituents may have been released to the former landfill area, which consists of open field and disturbed habitat. There is no information on the presence or likelihood of release of hazardous constituents in other areas of the Site, including the early successional shrub/forested areas, the mature deciduous floodplain forest that borders Gilkey Creek, and in Gilkey Creek itself. However, these areas are of sufficient size and are sufficiently accessible for them to be used by potential ecological receptors. Therefore, if hazardous constituents are present in these areas, this could result in plant uptake, bioaccumulation by prey species (e.g., terrestrial invertebrates, small mammals, fish, and benthos), and food-chain exposure. In this case, potential exposure pathways may exist via the food chain to herbivores, carnivores, omnivores, piscivores, and benthivores (Gilkey Creek), as well as via incidental ingestion (e.g., during preening or grooming) or direct exposure (e.g., contact). If the future use of these areas will be complete development (i.e., the area will be completely covered by buildings, paved or graveled areas, or maintained landscaping), the area will not need be carried forward for evaluation in an ERA, because the potential exposure pathways will be eliminated by the development. However, if habitat will remain after the Site is developed for future use, the potential for exposure still may exist.

Summary and Conclusions

The Site is an undeveloped parcel. Habitat assessment showed the presence of several habitat types that likely support ecological receptors at the Site, including early successional shrub/forest, mature deciduous floodplain forest, open field/disturbed areas, and Gilkey Creek. During the Site visit, signs or direct observations of wildlife were recorded, including observations of the following species: red-tailed hawk, belted kingfisher, white-tailed deer, and raccoon. Potential ecological receptors are likely to include both terrestrial and aquatic species, due to the presence of both habitat types onsite (Gilkey Creek and terrestrial habitats). Pathways to higher order species may exist, as evidenced by the red-tailed hawk, which was

nesting in the forested floodplain near Gilkey Creek, and the belted kingfisher, which was observed flying over the creek. No special-status species or habitat for listed species are present on or near the Site.

Based on the information provided in the Revised Site Investigation Report (ARCADIS BBL 2008), some hazardous constituents, including metals and PAHs, are present in soil at the former landfill (open field/disturbed habitat). The former landfill has been laterally delineated based on visual observation and subsurface soil sampling. Only limited data exist (laboratory analytical and vertical extent) for the interior portions of the former landfill. There is no information regarding the presence of hazardous constituents in Gilkey Creek or in the rest of the undeveloped area. There are areas onsite in the vicinity of the creek that will likely meet the criteria for wetlands. These include wetlands identified on the NWI and MIRIS maps (refer to Attachment A), and soil areas that include wetland soils.

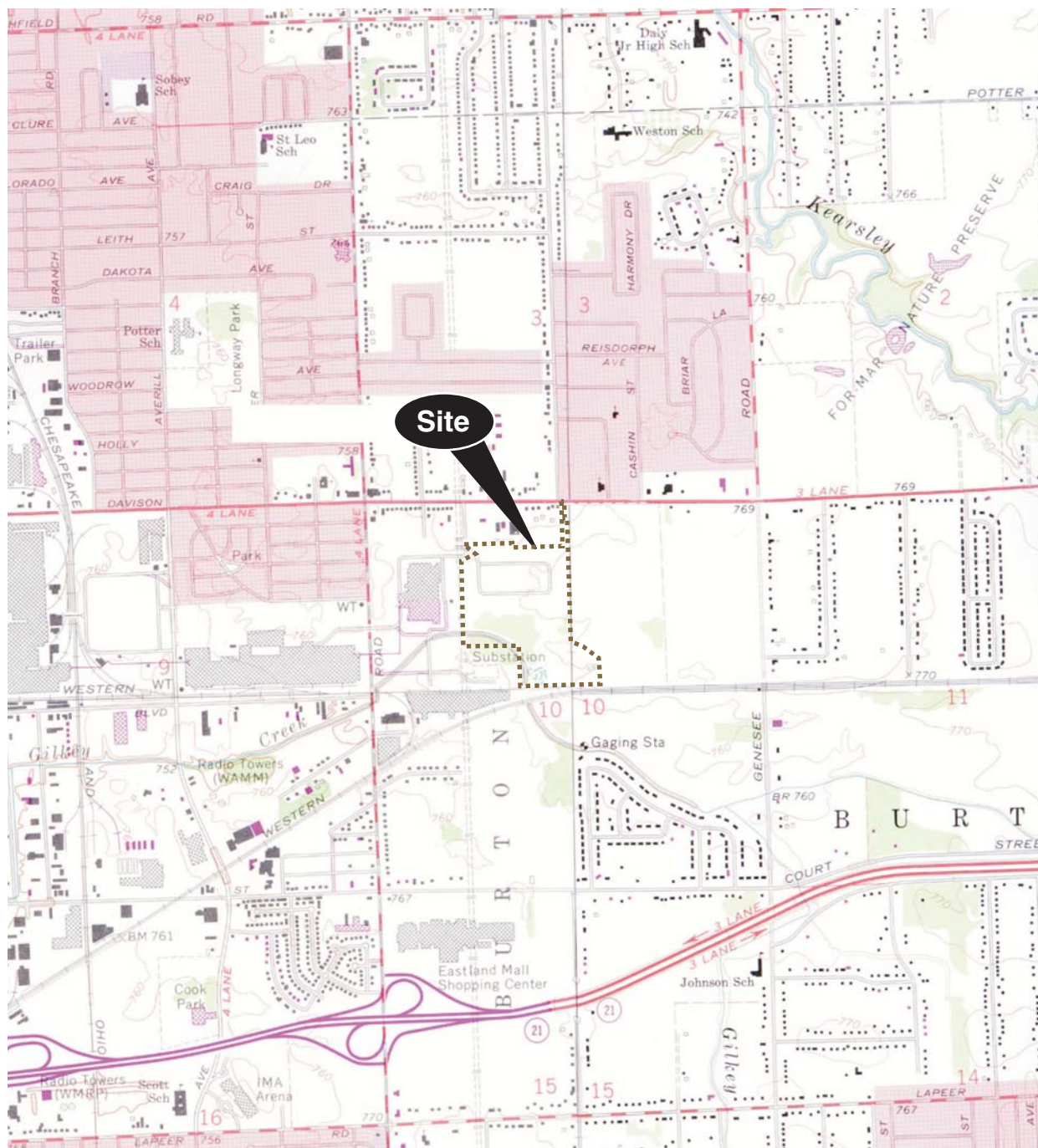
References

ARCADIA BBL. 2008. Revised site investigation report. General Motors Corporation 56-acre undeveloped property adjacent to Delphi Energy & Engine Management Systems, Plant 600/700, Burton, Michigan. ARCADIS of New York, Inc. February 5, 2008.

MNFI. 2007. Rare species explorer (web application). Michigan Natural Features Inventory. Available online at <http://web4.msue.msu.edu/mnfi/explorer> [Accessed Sep 18, 2007].

University of Michigan–Flint. 2007. Center for Applied Environmental Research, Gilkey Creek Watershed website. Available online at <http://www.umf-outreach.edu/caer/Gilkey/GilkeyIndex2.html> [Accessed Sep 12, 2007].

Figures and Table



0 1,000 2,000 Feet

Source: USGS (1969)

Figure 1. Site location, General Motors 56-Acre undeveloped property, Burton, Michigan



Source: Google (2007)

Figure 2. Site location and boundaries, General Motors 56-Acre undeveloped property, Burton, Michigan

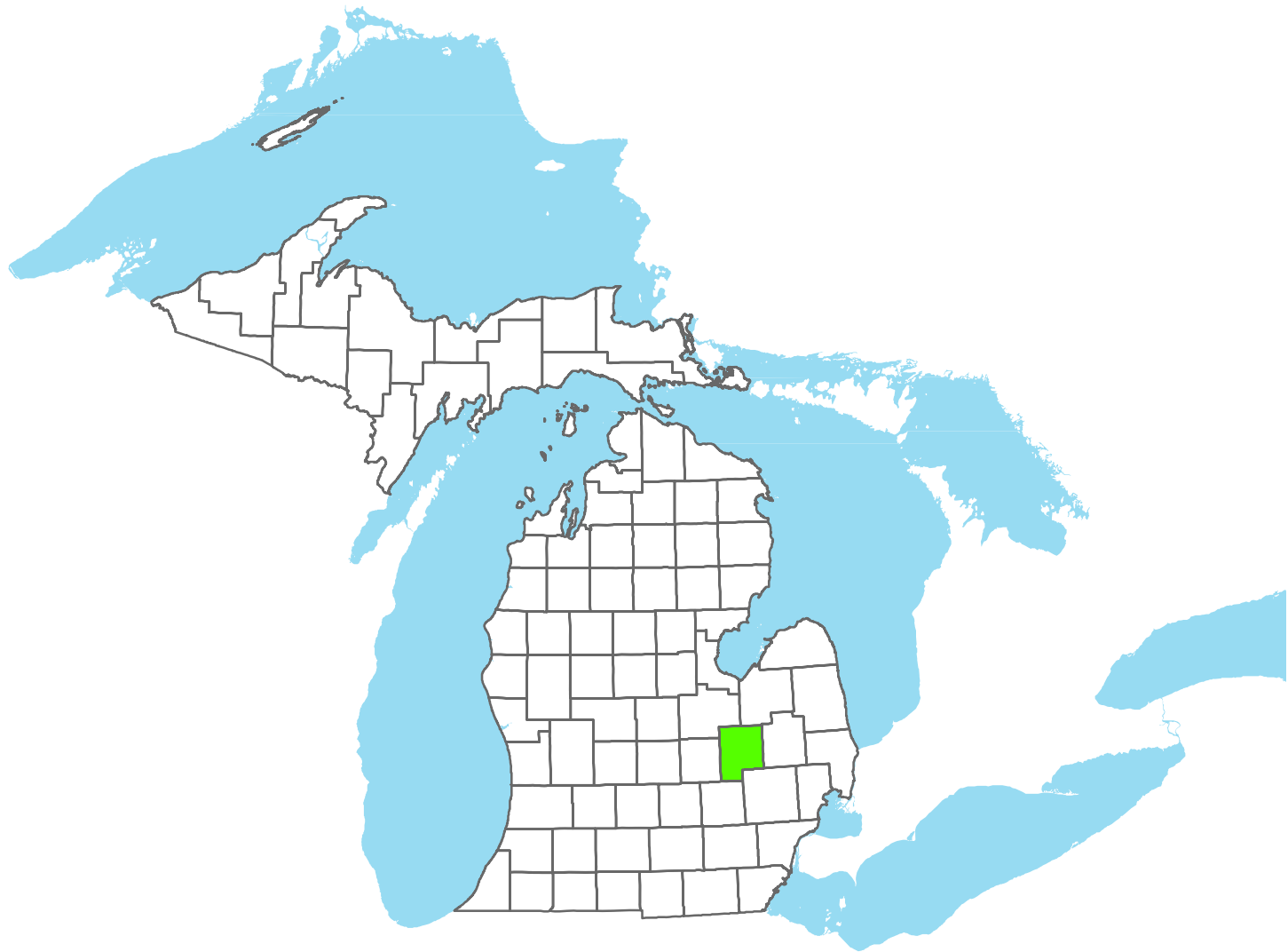
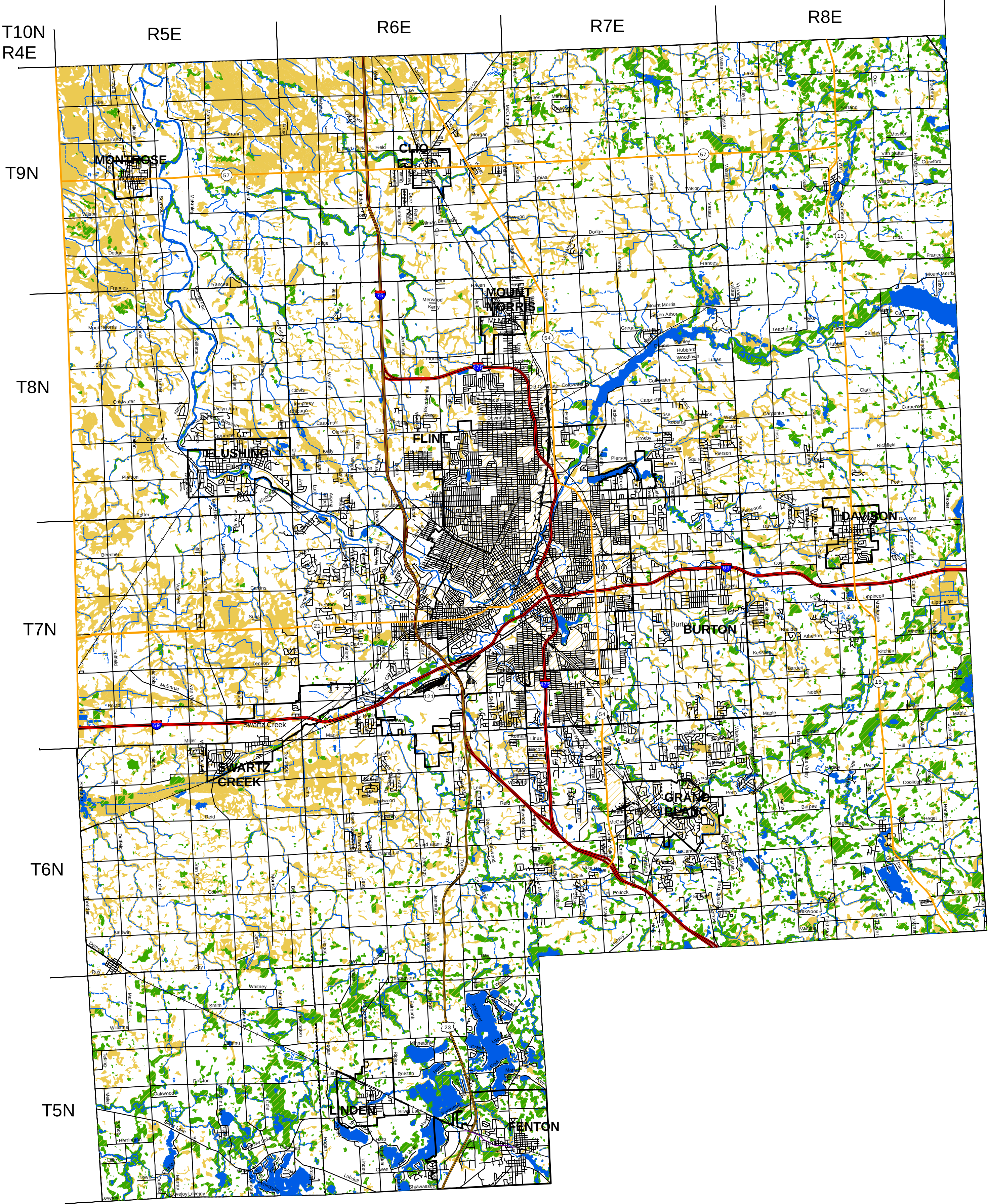
Table 1. Ecological pathways assessment matrix, General Motors 56-acre undeveloped property, Burton, Michigan

Name	Level 1: Characteristics				Level 2: Potential Receptors							
	Potential Release	Sufficient Size	Accessible to Wildlife	Active Industrial/ Water Management	Vegetation	Terr. Invertebrate/ Small Mammal	Fish	Benthos	Herbivore	Carnivore/ Omnivore	Piscivore	Benthivore
Former landfill/open field/disturbed	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N
Early successional shrub/forest	UNK	Y	Y	N	Y	Y	N	N	Y	Y	N	N
Mature deciduous floodplain forest	UNK	Y	Y	N	Y	Y	N	N	Y	Y	N	N
Gilkey Creek	UNK	Y	Y	Y ¹	Y	N	Y	Y	Y	Y	Y	Y

Note: N - No potential for exposure
Y - Yes, potential for exposure may exist; may require evaluation in an ecological risk assessment
UNK - Unknown; more information is needed
¹ Managed by the Genesee County Drain Commission as County Drain project #0017

Attachment A

Genesee County Final Wetland Inventory



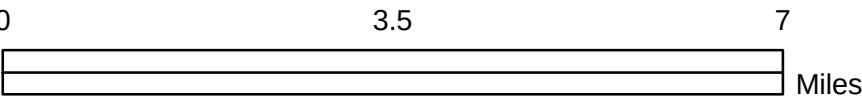
Genesee County Final Wetland Inventory

This Michigan Department of Environmental Quality (MDEQ) Wetland Inventory Map is intended to be used as one tool to assist in identifying wetlands and provides only potential and approximate location of wetlands and wetland conditions. The MDEQ produced this map from the following data obtained from other agencies or organizations:

1. The National Wetland Inventory (NWI) conducted by the United States Fish and Wildlife Service through interpretation of aerial photos and topographic data.
2. Land Cover as mapped by the Michigan Resource Inventory System (MIRIS), Michigan Department of Natural Resources, through interpretation of aerial photographs.
3. Soils as mapped by the United States Department of Agriculture, Natural Resource Conservation Service (NRCS).

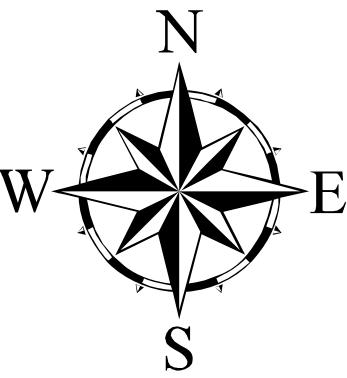
This map is not intended to be used to determine the specific locations and jurisdictional boundaries of wetland areas subject to regulation under Part 303, Wetlands Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Only an on-site evaluation performed by the MDEQ in accordance with Part 303 shall be used for jurisdictional determinations. A permit is required from the MDEQ to conduct certain activities in wetlands regulated under Part 303.

More information regarding this map, including how to obtain a copy can be accessed at www.michigan.gov/deqwetlands.

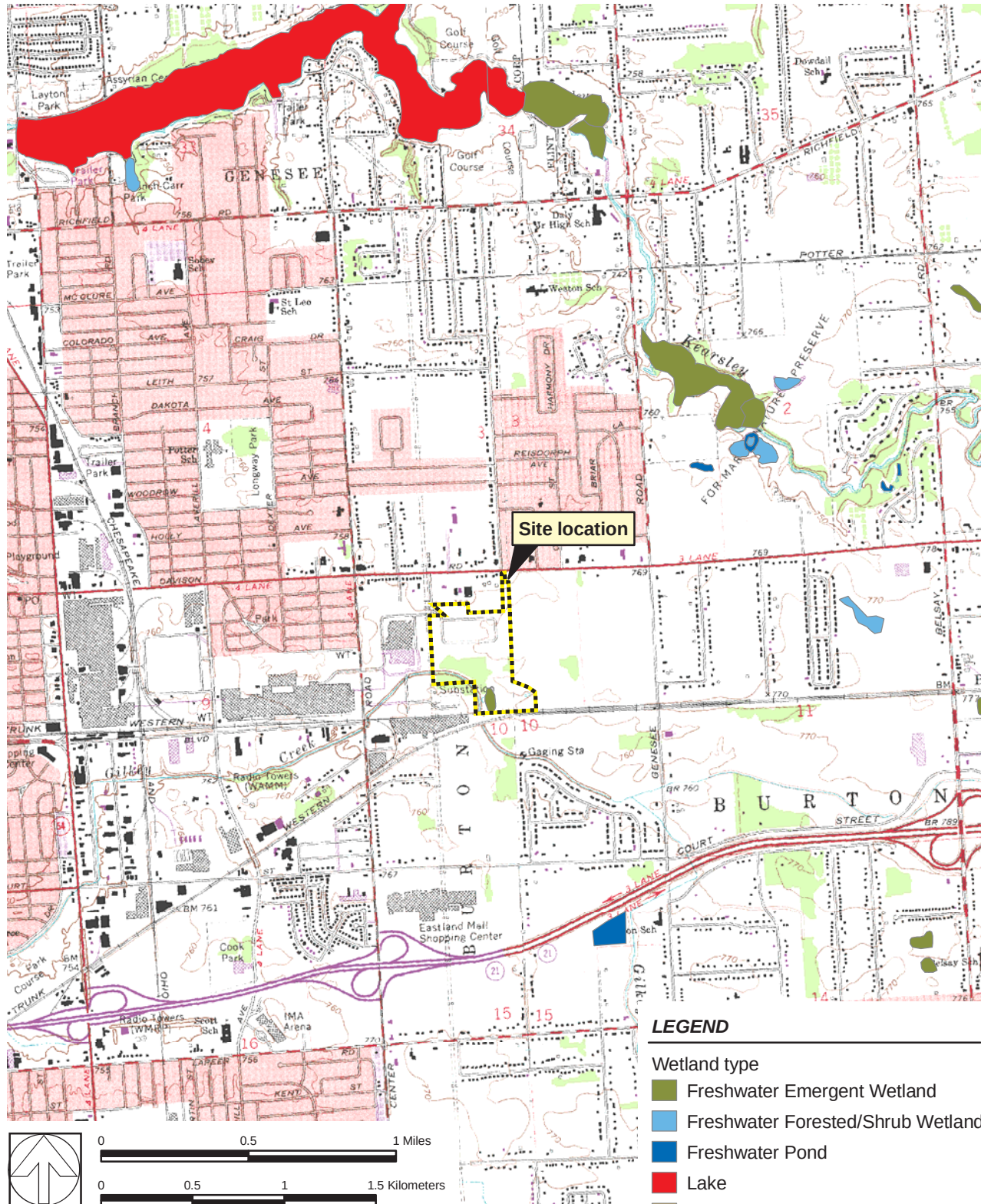


Legend

- Interstate Highways
- US Highways
- State Highways
- Railways
- Open Water
- Rivers
- Drains
- Wetlands as identified on NWI and MIRIS maps
- Soil areas which include wetland soils
- Wetlands as identified on NWI and MIRIS maps and soil areas which include wetland soils
- County Boundary



Areas shown as wetlands, wetland soils, or open water on the map are potential wetlands and deserve further site investigation to verify if wetlands are actually present. This map may not identify all potential wetlands in a county (it may show wetlands that are not actually present and it may not show wetlands which are actually present). This map represents existing information that suggests the probability that a wetland may or may not exist in a given area and cannot be used to identify regulatory jurisdiction.



Source: Base map from USGS 7.5 minute Michigan topographic maps Flint North (1969) and Davison (1969). Both maps photorevised 1975.
National Wetlands Inventory layers obtained from <http://www.fws.gov/nwi/>

Wetlands mapped by the National Wetlands Inventory
in the site vicinity

Exponent®

Attachment B

MICHIGAN STATE
UNIVERSITY
EXTENSION

Enclosed is the data requested from Michigan Natural Features Inventory (MNFI). This information is a list of Element Occurrences (EO) at the section level. The sections contain the centroid of the EO. In some cases, the extent of an animal's range or a community type may extend past the section containing the centroid.

This information is the best available regarding elements tracked by MNFI. This list, however, is not a definitive statement on the presence, absence, or condition of the natural features in any given locality. Plant and animal populations and natural communities change with time. Also, not every site has been specifically surveyed. Therefore, the information provided should not be regarded as a complete statement on the occurrence of special natural features of the area in question.

The recipient(s) of the information services understand that state endangered and threatened species are protected under state law (Act 451 of 1994, the Natural Resources and Environmental Protection Act, Part 365, Endangered Species Protection). Any questions, observations, new findings, violations or clearance of project activities should be conducted with the Michigan Department of Natural Resources, Wildlife Division. Contact Lori Sargent or Todd Hogrefe at (517) 373-1263. The recipient(s) of the information services understand that federally endangered and threatened species are protected under federal law (Endangered Species Act of 1973). Any questions, observations, new findings, violations or clearance of project activities should be conducted with the U.S. Fish and Wildlife Service in East Lansing. Their phone number is (517) 351-2555. Recipients of the information are responsible for ensuring the protection of protected species and obtaining proper clearance before project activities begin.



**Michigan Natural
Features Inventory**

P.O. Box 30444
Lansing, MI
48909-7944
(517) 373-1552
FAX: (517) 373-9566

This information is used to guide conservation and land management activities. Some of the element records are historical. While this information may not be important for regulatory purposes, it is important for management and restoration purposes and for scientific use.

The following codes are used for the Federal and State status:

Federal Status:

C = Candidate - species being considered for federal status
LE = Listed endangered
LT = Listed threatened
LELT = Listed endangered in part of the range, threatened in a different part.
PE = Proposed endangered
PT = Proposed threatened
PS = Partial status - status in only a portion of the range

State status:

E = Endangered (Legally protected)
T = Threatened (Legally protected)
SC = Special Concern (Rare or status uncertain; not legally protected)
X = Presumed extirpated (Legally threatened if rediscovered)

For questions about MNFI and the data, contact Ed Schools, MNFI, (517) 373-0798, or schoolse@michigan.gov

*Michigan State University
Extension programs and materials
are open to all without regard to
race, color, national origin, gender,
religion, age, disability, political
beliefs, sexual orientation, marital
status, or family status.*

*MSU is an affirmative-action,
equal-opportunity institution.*

Flint North Quadrangle

Scientific Name	Common Name	Last Observed	State Status	Element Category	TOWN	RANGE	SECTION
Jeffersonia diphylla	Twinleaf	1880-?	SC	Plant	08N	06E	36
Falco peregrinus	Peregrine Falcon	2004-04-14	E	Animal	07N	06E	12



United States Department of the Interior

FISH AND WILDLIFE SERVICE

East Lansing Field Office (ES)

2651 Coolidge Road, Suite 101

East Lansing, Michigan 48823-6316

IN REPLY REFER TO:

July 12, 2007

Mr. Ian Ippolito
Exponent
4875 Pearl East Circle, Ste. 201
Boulder, CO 80301

Re: Endangered Species List Request, Proposed Exploratory Ecological Assessment, Project No. BO03007.001, General Motors Corporation Flint Delphi East Plant, Burton, Genesee County Michigan

Dear Mr. Ippolito:

Thank you for your July 2, 2007 request for information regarding federally listed and proposed threatened and endangered species, candidate species, or critical habitat near the proposed project. Your request and this response are made pursuant to the Endangered Species Act of 1973, as amended (Act). You are requesting this information for your ecological assessment.

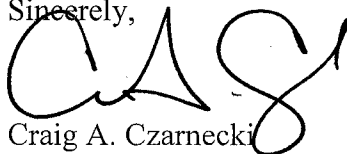
Your proposed project occurs within the potential range of some federally listed species. However, our records do not indicate the presence of listed species or critical habitat in or near the project. Although our records for some listed species are incomplete, your description of the project location and features indicate that listed species or potential habitat will not be impacted. This precludes the need for further action on this project as required by the Act. If, however, more than six months pass, project plans change, or new information becomes available that indicates listed species or proposed species may be affected, you should conduct further consultation with this office.

Please refer to the Michigan Department of Natural Resources Endangered Species Assessment website www.mcgi.state.mi.us/esa and contact Ms. Lori Sargent at sargenl2@michigan.gov for information regarding the protection of threatened and endangered species under State law. State law may require a permit in advance of any work that could potentially damage, destroy or displace state-listed species.

For future endangered and threatened species list requests and consultations with the U.S. Fish and Wildlife Service, refer to our new endangered species and technical assistance website, located at <http://www.fws.gov/midwest/endangered/section7/s7process/index.htm>. Information about the website is attached.

We appreciate your concern for endangered and threatened species. Any questions can be directed to Tameka Dandridge of this office at Tameka_Dandridge@fws.gov or 517/351-8315.

Sincerely,



Craig A. Czarnecki
Field Supervisor

cc: MDNR-Wildlife Division, Lansing, MI (Attn: Lori Sargent)



United States Department of the Interior

FISH AND WILDLIFE SERVICE

East Lansing Field Office (ES)

2651 Coolidge Road, Suite 101

East Lansing, Michigan 48823-6316

IN REPLY REFER TO:

The East Lansing Field Office recommends the initiation of consultations pursuant to the Endangered Species Act electronically, using the below website. Some consultations may be concluded with this process without contacting this office. The following provides a brief description of the website.

Region 3 of the U.S. Fish and Wildlife Service has designed a new endangered species website to help federal agencies and their non-federal representatives complete section 7 consultations under the Endangered Species Act. The website is intended to be very useful for both federal agencies with section 7 obligations and non-federal entities.

Section 7 Consultation Main Page - <http://www.fws.gov/midwest/endangered/section7/index.html>

This main Endangered Species Act Section 7 consultation webpage has been designed to provide a broad range of information, and includes links to the following specific pages:

- Section 7(a)(2) Consultation – An explanation of the consultation process
- Section 7(a)(2) Technical Assistance
- Guidelines for Preparing a Biological Assessment
- Section 7(a)(2) Guidance for Specific Species
- Section 7 Consultation Handbook

Section 7(a)(2) Technical Assistance page -

<http://www.fws.gov/midwest/endangered/section7/s7process/index.htm>

This page is designed to guide you through the consultation process step by step. By following the instructions, agencies can determine their action area, whether listed species may be found within the action area, and if the project may affect listed species.

Federal agencies and non-federal representatives will find several products on the site that can streamline the consultation process. When determining if listed species may be located within a project area, agencies can download county specific species lists for all of the states in Region 3. Species specific best management practices will also eventually be available. Example letters and templates are available to assist with documenting “no effect” determinations and preparing requests for concurrence on “not likely to adversely affect” determinations.

The website’s (step-by-step process) will include a specific section for HUD, pipeline, and telecommunications projects, which is expected to be completed by January. This part of the site includes specific activities which appropriately fit the criteria for a “no effect” determination and includes a printable form for documenting the determination for your administrative record.

Please contact the East Lansing Field Office at 517/351-2555 with any questions or comments.

From: Ian Ippolito
Sent: Tuesday, September 18, 2007 7:33 PM
To: Linda Ziccardi
Subject: FW:

Attachments: inv_exponent_07092007.doc;
information_services_description.pdf; order_07092007.pdf

Here is the email.

-----Original Message-----

From: Kimberly Borland [mailto:borlandk@michigan.gov]
Sent: Mon 7/9/2007 2:42 PM
To: Ian Ippolito
Cc: Sue Ridge
Subject: Re:

Hello Ian,

I have performed the data search that you requested for the Flint North Quadrangle containing T7N R7E Section 10. I have attached the results of the search, your invoice for \$100, and the Information Services Description. Payment should be made to Michigan State University. If you have any questions please let me know.

Thank you,

Kim

Kim Borland
Michigan Natural Features Inventory
P.O Box 30444
Lansing, MI 48909
(517)241-1756
Fax: (517)373-9566

>>> "Ian Ippolito" <iippolito@exponent.com> 07/09/2007 9:41 AM >>>

Exponent is conducting an ecological assessment at the General Motors Corporation (GM) Flint Delphi East Plant in Burton, Michigan as part of the Due Care Plan for the site, under Part 201 of the Michigan Natural Resources and Environmental Protection Act(NREPA). The ecological assessment requires information on the potential presence Of any federal- or state-protected plant and animal species, sensitive species, or special habitats/natural areas in the vicinity of the site. The site is located on the Flint North, Michigan, USGS 7.5 minute topographic quadrangle, as indicated. Please provide an information services agreement so that a search can be performed for this site.

Ian Ippolito
Scientist
Exponent
195 County Highway 126
Broadalbin, NY 12025
Phone: 518-883-8597
Mobile: 518-588-0706
Fax: 518-883-8597

July 2, 2007

Craig Czarnecki
Field Supervisor
U.S. Fish and Wildlife Service
2651 Coolidge Road
East Lansing, Michigan 48823

Subject: Request for Information on Endangered, Threatened, and Candidate Species
Project No. BO03007.001

Dear Mr. Czarnecki:

Exponent is conducting an ecological assessment at the General Motors Corporation (GM) Flint Delphi East Plant in Burton, Michigan, as part of the Due Care Plan for the site, under Part 201 of the Michigan Natural Resources and Environmental Protection Act (NREPA). The ecological assessment requires information on the potential presence of any federally listed threatened or endangered plant and animal species, candidate species, or special habitats/natural areas in the vicinity of the sites, within a one-mile radius. This letter describes this site and environs, and constitutes a request for the needed information.

The Site is generally a rectangular parcel bordered by Davison Road to the north, Genesee Road to the east, a Grand Trunk railroad line to the south, and a Consumer's Power right-of-way to the west. The Site is relatively flat and dry and contains vegetation ranging from cultivated grasses to dense, scrubby brush and wooded areas and a former automobile test track. An area of approximately 37 acres in the southwest corner of the Site was used as a permitted landfill in the 1970s, for disposal of construction debris, miscellaneous inert solid waste, and foundry sand from the GM Buick Motor Division facility in Flint, Michigan. The remaining 163 acres of the Site have not been used by GM since it was acquired in the early 1960s, with the exception of the installation of an asphalt-covered test track. The latitude is 42° 99' N, and the longitude is 83° 61' W.

The nearest surface-water body to the Flint Delphi East Plant is Kearsley Reservoir, which can be seen on Figure 1. The Flint Delphi East Plant is located within a residential setting, where the majority of the surface consists of vegetation, residential roads, and fields. Animals that may exist on the site include birds, small mammals, and other scavengers that would be common to suburban areas.

Craig Czarnecki
July 2, 2007
Page 2

The enclosed figure defines the project location for which we are requesting information on the potential presence of federally listed threatened or endangered plant and animal species, candidate species, or special habitats/natural areas.

If you have any questions regarding this request, please contact me at 518-883-8597. Thank you for your assistance.

Sincerely,

Ian Ippolito
Scientist

Enclosure